



STATE OF MICHIGAN PROCUREMENT

DEPARTMENT OF TECHNOLOGY, MANAGEMENT, AND BUDGET

P.O. BOX 30026

320 S. Walnut Street., Lansing, Michigan 48933

NOTICE OF CONTRACT

NOTICE OF CONTRACT NO. **240000001416**

between

THE STATE OF MICHIGAN

and

CONTRACTOR	STChealth, LLC
	411 South 1 st Street
	Phoenix, Arizona 85004
	Dave Mora
	480-745-8500
	david_mora@stchome.com
	VS0267351

STATE	Program Manager	Various	Multiple
	Contract Administrator	Mecca Martin	DTMB
		517-230-8694	
		MartinM42@michigan.gov	

CONTRACT SUMMARY			
DESCRIPTION: MDHHS Michigan Care Improvement Registry System & M&O			
INITIAL EFFECTIVE DATE	INITIAL EXPIRATION DATE	INITIAL AVAILABLE OPTIONS	EXPIRATION DATE BEFORE CHANGE(S) NOTED BELOW
10/1/2024	9/30/2026	3 (1) Year Options	9/30/2026
PAYMENT TERMS		DELIVERY TIMEFRAME	
Net 45		N/A	
ALTERNATE PAYMENT OPTIONS			EXTENDED PURCHASING
<input type="checkbox"/> P-card <input type="checkbox"/> Payment Request (PRC) <input type="checkbox"/> Other			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
MINIMUM DELIVERY REQUIREMENTS			
N/A			
MISCELLANEOUS INFORMATION			
Contract Developed as a Result of RFP – 171 - 240000000091			
ESTIMATED CONTRACT VALUE AT TIME OF EXECUTION		\$6,447,888.48	

FOR THE CONTRACTOR:

Company Name

Authorized Agent Signature

Authorized Agent (Print or Type)

Date

FOR THE STATE:

Signature

Name & Title

Agency

Date

**Program Managers
For
Multi-Agency and Statewide Contracts**

AGENCY	NAME	PHONE	EMAIL
DTMB	Soopriya Razdan	517-219-2766	RazdanS@michigan.gov
MDHHS	Ryan Malosh	517-342-4428	MaloshR@michigan.gov
MDHHS	Abigail Cheney	517-575-5201	CheneyA@michigan.gov

SOFTWARE CONTRACT TERMS AND CONDITIONS

These Terms and Conditions, together with all Schedules (including the Statement(s) of Work), Exhibits and any other applicable attachments or addenda (Collectively this “Contract”) are agreed to between the State of Michigan (the “**State**”) and STChealth, (“**Contractor**”), An Delaware LIMITED LIABILITY COMPANY. This Contract is effective on 10/1/2024 (“**Effective Date**”), and unless terminated, will expire on 9/30/2026 (the “**Term**”).

This Contract may be renewed for up to (3) 1-year options. Renewal is at the sole discretion of the State and will automatically extend the Term of this Contract. The State will document its exercise of renewal options via a Change Notice.

1. Definitions. For the purposes of this Contract, the following terms have the following meanings:

“**Acceptance**” has the meaning set forth in **Section 9**.

“**Acceptance Tests**” means such tests as may be conducted in as described in **Section 9** and any applicable Statement of Work to determine whether the Software meets the requirements of this Contract and the Documentation.

“**Affiliate**” of a Person means any other Person that directly or indirectly, through one or more intermediaries, controls, is controlled by, or is under common control with, such Person. For purposes of this definition, the term “control” (including the terms “controlled by” and “under common control with”) means the direct or indirect ownership of more than fifty percent (50%) of the voting securities of a Person.

“**Allegedly Infringing Materials**” has the meaning set forth in **Section 18**.

“**Third Party Components**” means all third party components, including Open-Source Components, that are included in or used in connection with the Software and are specifically identified by Contractor in the Contractor’s Bid Response or as part of the State’s Security Accreditation Process defined in Schedule E – Data Security Requirements.

“**Authorized Users**” means all Persons authorized by the State to access and use the Software under this Contract, subject to the maximum number of users specified in the applicable Statement of Work.

“Business Day” means a day other than a Saturday, Sunday or other day on which the State is authorized or required by law to be closed for business.

“Business Requirements Specification” means the initial specification setting forth the State’s business requirements regarding the features and functionality of the Software, as set forth in a Statement of Work.

“Contract Change” has the meaning set forth in **Subsection 2.2.**

“Change Notice” means a writing executed by the parties to the Contract memorializing a change to the Contract.

“Change Proposal” has the meaning set forth in **Subsection 2.2.**

“Change Request” has the meaning set forth in **Subsection 2.2.**

“Confidential Information” has the meaning set forth in **Subsection 22.1.**

“Configuration” means State-specific changes made to the Software without Source Code or structural data model changes occurring.

“Contract” has the meaning set forth in the preamble.

“Contract Administrator” is the individual appointed by each party to (a) administer the terms of this Contract, and (b) approve any Change Notices under this Contract. Each party’s Contract Administrator will be identified in Schedule A or subsequent Change Notices.

“Contractor” has the meaning set forth in the preamble.

“Contractor’s Bid Response” means the Contractor’s proposal submitted in response to the RFP.

“Contractor Hosted” means the Hosted Services are provided by Contractor or one or more of its Permitted Subcontractors.

“Contractor Personnel” means all employees of Contractor or any subcontractors or Permitted Subcontractors involved in the performance of Services hereunder.

“Contractor Project Manager” means the individual appointed by Contractor and identified in Schedule A or subsequent Change Notices to serve as the primary contact with regard to services, to monitor and coordinate the day-to-day activities of this

Contract, and to perform other duties as may be further defined in this Contract, including an applicable Statement of Work.

“Customization” means State-specific changes to the Software's underlying Source Code or structural data model changes.

“Deliverables” means the Software, Services, Documentation, and all other documents and other materials that Contractor is required to or otherwise does provide to the State under this Contract and otherwise in connection with any Services, including all items specifically identified as Deliverables in a Statement of Work and all Work Product.

“Deposit Material” refers to material required to be deposited pursuant to **Section 28**.

“Digital Accessibility Standards” means the accessibility standards provided in the SOM Digital Standards, located at <https://www.michigan.gov/standards>.

“Disaster Recovery Plan” refers to the set(s) of documents, instructions, and procedures which enable the Contractor to respond to accidents, disasters, emergencies, or threats without any stoppage or hindrance in its key operations and to the actions the Contractor takes to meet the Recovery Point and Recovery Time Objectives.

“Documentation” means all user manuals, operating manuals, technical manuals and any other instructions, specifications, documents or materials, in any form or media, that describe the functionality, installation, testing, operation, use, maintenance, support, technical or other components, features or requirements of the Deliverable.

“DTMB” means the Michigan Department of Technology, Management and Budget.

“Effective Date” has the meaning set forth in the preamble.

“Fees” means the fees set forth in the Pricing Schedule attached as **Schedule B**.

“Financial Audit Period” has the meaning set forth in **Subsection 23.1**.

“Harmful Code” means any software, hardware or other technologies, devices or means, the purpose or effect of which is to: (a) permit unauthorized access to, or to destroy, disrupt, disable, encrypt, modify, copy, or otherwise harm or impede in any manner, any (i) computer, software, firmware, data, hardware, system or network, or (ii) any application or function of any of the foregoing or the integrity, use or operation of any data Processed thereby; or (b) prevent the State or any Authorized User from accessing or using the Services as intended by this Contract, and includes any virus, bug, trojan horse,

worm, backdoor or other malicious computer code and any time bomb or drop dead device.

“Hosted Services” means the hosting, management and operation of the Operating Environment, Software, other services (including support and subcontracted services), and related resources for access and use by the State and its Authorized Users, including any services and facilities related to disaster recovery obligations.

“Implementation Plan” means the schedule included in a Statement of Work setting forth the sequence of events for the performance of Services under a Statement of Work, including the Milestones and Milestone Dates.

“Integration Testing” has the meaning set forth in **Section 9**.

“Intellectual Property Rights” means all or any of the following: (a) patents, patent disclosures, and inventions (whether patentable or not); (b) trademarks, service marks, trade dress, trade names, logos, corporate names, and domain names, together with all of the associated goodwill; (c) copyrights and copyrightable works (including computer programs), mask works and rights in data and databases; (d) trade secrets, know-how and other confidential information; and (e) all other intellectual property rights, in each case whether registered or unregistered and including all applications for, and renewals or extensions of, such rights, and all similar or equivalent rights or forms of protection provided by applicable law in any jurisdiction throughout the world.

“Key Personnel” means any Contractor Personnel identified as key personnel in the Contract.

“Loss or Losses” means all losses, including but not limited to, damages, liabilities, deficiencies, claims, actions, judgments, settlements, interest, awards, penalties, fines, costs or expenses of whatever kind, including reasonable attorneys' fees and the costs of enforcing any right to indemnification hereunder and the cost of pursuing any insurance providers.

“Maintenance Release” means any update, upgrade, release or other adaptation or modification of the Software, including any updated Documentation, that Contractor may generally provide to its licensees from time to time during the Term, which may contain, among other things, error corrections, enhancements, improvements or other changes to the user interface, functionality, compatibility, capabilities, performance, efficiency or quality of the Software.

“Milestone” means an event or task described in the Implementation Plan under a Statement of Work that must be completed by the corresponding Milestone Date.

“Milestone Date” means the date by which a particular Milestone must be completed as set forth in the Implementation Plan under a Statement of Work.

“New Version” means any new version of the Software, including any updated Documentation, that the Contractor may from time to time introduce and market generally as a distinct licensed product, as may be indicated by Contractor's designation of a new version number.

“Nonconformity” or “Nonconformities” means any failure or failures of a Deliverable, to conform to the requirements of this Contract.

“Open-Source Components” means any software component that is subject to any open-source copyright license agreement, including any GNU General Public License or GNU Library or Lesser Public License, or other obligation, restriction or license agreement that substantially conforms to the Open Source Definition as prescribed by the Open Source Initiative or otherwise may require disclosure or licensing to any third party of any source code with which such software component is used or compiled.

“Operating Environment” means, collectively, the platform, environment and conditions on, in or under which the Software is intended to be installed and operate, as set forth in a Statement of Work, including such structural, functional and other features, conditions and components as hardware, operating software, system architecture, configuration, computing hardware, ancillary equipment, networking, software, firmware, databases, data, and electronic systems (including database management systems).

“PAT” means a document or product accessibility template, including any Information Technology Industry Council Voluntary Product Accessibility Template or VPAT®, that specifies how information and software products, such as websites, applications, software and associated content, conform to the Digital Accessibility Standards.

“Permitted Subcontractor” means any third party hired by Contractor to perform Services for the State under this Contract, have access to or have the ability to control access to State Data.

“Person” means an individual, corporation, partnership, joint venture, limited liability company, governmental authority, unincorporated organization, trust, association or other entity.

“Pricing Schedule” means the schedule attached as **Schedule B**.

“Process” means to perform any operation or set of operations on any data, information, material, work, expression or other content, including to (a) collect, receive, input, upload, download, record, reproduce, store, organize, combine, log, catalog, cross-reference, manage, maintain, copy, adapt, alter, translate or make other improvements or derivative works, (b) process, retrieve, output, consult, use, disseminate, transmit, submit, post, transfer, disclose or otherwise provide or make available, or (c) block, erase or destroy. **“Processing”** and **“Processed”** have correlative meanings.

“Representatives” means a party's employees, officers, directors, partners, shareholders, agents, attorneys, successors and permitted assigns.

“RFP” means the State’s request for proposal designed to solicit responses for Services under this Contract.

“Services” means any of the services, including but not limited to, Hosted Services, Contractor is required to or otherwise does provide under this Contract.

“Service Level Agreement” means the schedule attached as **Schedule D**, setting forth the Support Services Contractor will provide to the State, and the parties' additional rights and obligations with respect thereto.

“Site” means any physical location(s) designated by the State in, or in accordance with, this Contract or a Statement of Work for delivery and installation of the Deliverable, if applicable.

“Software” means Contractor’s software as set forth in a Statement of Work, and any Maintenance Releases or New Versions provided to the State and any Customizations or Configurations made by or for the State pursuant to this Contract, and all copies of the foregoing permitted under this Contract.

“Source Code” means the human readable source code of the Software to which it relates, in the programming language in which the Software was written, together with all related flow charts and technical documentation, including a description of the procedure for generating object code, all of a level sufficient to enable a programmer reasonably fluent in such programming language to understand, build, operate, support, maintain and develop modifications, upgrades, updates, adaptations, enhancements, new versions and other derivative works and improvements of, and to develop computer programs compatible with, the Software.

“Specifications” means, for the Software, the specifications collectively set forth in the Business Requirements Specification, Technical Specification, Documentation, RFP or Contractor’s Bid Response, if any, for such Software, or elsewhere in a Statement of Work.

“State” means the State of Michigan.

“State Data” has the meaning set forth in **Section 21**.

“State Hosted” means the Hosted Services are not provided by Contractor or one or more of its Permitted Subcontractors.

“State Materials” means all materials and information, including but not limited to documents, data, know-how, ideas, methodologies, specifications, software, hardware, content and technology, in any form or media, directly or indirectly provided or made available to Contractor by or on behalf of the State in connection with this Contract.

“State Program Managers” are the individuals appointed by the State, or their designees, to (a) monitor and coordinate the day-to-day activities of this Contract; (b) co-sign off on Acceptance of the Deliverables; and (c) perform other duties as may be specified in a Statement of Work. Program Managers will be identified in Schedule A or subsequent Change Notices.

“State Systems” means the information technology infrastructure, including the computers, software, databases, electronic systems (including database management systems) and networks, of the State or any of its designees.

“Statement of Work” means any statement of work entered into by the parties and incorporated into this Contract. The initial Statement of Work is attached as **Schedule A**.

“Stop Work Order” has the meaning set forth in **Section 15**.

“Support Services” means the maintenance and support services Contractor is required to or otherwise does provide to the State under the Service Level Agreement.

“Technical Specification” means, with respect to any Software, the document setting forth the technical specifications for such Software and included in a Statement of Work.

“Term” has the meaning set forth in the preamble.

“Testing Period” has the meaning set forth in **Section 9**.

“Transition Period” has the meaning set forth in **Section 16**.

“Transition Responsibilities” has the meaning set forth in **Section 16**.

“Unauthorized Removal” has the meaning set forth in **Subsection 2.5**.

“Unauthorized Removal Credit” has the meaning set forth in **Subsection 2.5**.

“User Data” means all data, information and other content of any type and in any format, medium or form, whether audio, visual, digital, screen, GUI or other, that is input, uploaded to, placed into or collected, stored, Processed, generated or output by any device, system or network by or on behalf of the State, including any and all works, inventions, data, analyses and other information and materials resulting from any use of the Software by or on behalf of the State under this Contract, except that User Data does not include the Software or data, information or content, including any GUI, audio, visual or digital or other display or output, that is generated automatically upon executing the Software without additional user input without the inclusion of user derived Information or additional user input.

“Warranty Period” means the 180 calendar-day period commencing on the date of the State's Acceptance of the Software for which Support Services are provided free of charge.

“WCAG 2.0 Level AA” means level AA of the World Wide Web Consortium Web Content Accessibility Guidelines version 2.0.

“Work Product” means all State-specific deliverables that Contractor is required to, or otherwise does, provide to the State under this Contract including but not limited to Customizations, application programming interfaces, computer scripts, macros, user interfaces, reports, project management documents, forms, templates, and other State-specific documents and related materials together with all ideas, concepts, processes, and methodologies developed in connection with this Contract whether or not embodied in this Contract.

2. Duties of Contractor. Contractor will provide Deliverables pursuant to Statement(s) of Work entered into under this Contract. Contractor will provide all Deliverables in a timely, professional manner and in accordance with the terms, conditions, and Specifications set forth in this Contract and the Statement(s) of Work.

2.1 Statement of Work Requirements. No Statement of Work will be effective unless signed by each party's Contract Administrator. The term of each Statement of Work will commence on the parties' full execution of a Statement of Work and terminate when the parties have fully performed their obligations. The terms and conditions of this Contract will apply at all times to any Statements of Work entered into by the

parties and incorporated into this Contract. The State will have the right to terminate such Statement of Work as set forth in **Section 16**. Contractor acknowledges that time is of the essence with respect to Contractor's obligations under each Statement of Work and agrees that prompt and timely performance of all such obligations in accordance with this Contract and the Statements of Work (including the Implementation Plan and all Milestone Dates) is strictly required.

2.2 Change Control Process. The State may at any time request in writing (each, a "**Change Request**") changes to the Contract generally or any Statement of Work, including changes to the Services and Implementation Plan (each, a "**Contract Change**"). Upon the State's submission of a Change Request, the parties will evaluate and implement all Changes in accordance with this Section.

(a) As soon as reasonably practicable, and in any case within 20 Business Days following receipt of a Change Request, Contractor will provide the State with a written proposal for implementing the requested Change ("**Change Proposal**"), setting forth:

- (i) a written description of the proposed Changes to any Deliverables;
- (ii) an amended Implementation Plan reflecting: (A) the schedule for commencing and completing any additional or modified Deliverables; and (B) the effect of such Changes, if any, on completing any other Services under a Statement of Work;
- (iii) any additional State Resources Contractor deems necessary to carry out such Changes; and
- (iv) any increase or decrease in Fees resulting from the proposed Changes, which increase or decrease will reflect only the increase or decrease in time and expenses Contractor requires to carry out the Change.

(b) Within 30 Business Days following the State's receipt of a Change Proposal, the State will by written notice to Contractor, approve, reject, or propose modifications to such Change Proposal. If the State proposes modifications, Contractor must modify and re-deliver the Change Proposal reflecting such modifications, or notify the State of any disagreement, in which event the parties will negotiate in good faith to resolve their disagreement. Upon the State's approval of the Change Proposal or the parties' agreement on all proposed modifications, as the case may be, each parties' Contractor Administrator will sign a Change Notice.,

(c) However, if the parties fail to enter into a Change Notice within 15 Business Days following the State's response to a Change Proposal, the State may, in its discretion:

- (i) require Contractor to perform or provide the Deliverables under the existing Statement of Work without the Change;
- (ii) require Contractor to continue to negotiate a Change Notice;
- (iii) initiate a Dispute Resolution Procedure; or
- (iv) notwithstanding any provision to the contrary in a Statement of Work, terminate this Contract under **Subsection 16.1**.

(d) No Change will be effective until the parties have executed a Change Notice. Notwithstanding the foregoing, no Statement of Work or Change Notice executed after the Effective Date will be construed to amend or modify this Contract in any way, unless it specifically states its intent to do so and cites the section or sections amended. Except as the State may request in its Change Request or otherwise in writing, Contractor must continue to perform its obligations in accordance with a Statement of Work pending negotiation and execution of a Change Notice. Contractor will use its best efforts to limit any delays or Fee increases from any Change to those necessary to perform the Change in accordance with the applicable Change Notice. Each party is responsible for its own costs and expenses of preparing, evaluating, negotiating, and otherwise processing any Change Request, Change Proposal, and Change Notice.

(e) The performance of any functions, activities, tasks, obligations, roles and responsibilities comprising the Services as described in this Contract are considered part of the Services and, thus, will not be considered a Change. This includes the delivery of all Deliverables in accordance with their respective Specifications, and the diagnosis and correction of Nonconformities discovered in Deliverables prior to their Acceptance by the State or, subsequent to their Acceptance by the State, as necessary for Contractor to fulfill its associated warranty requirements and its Support Services under this Contract.

(f) Contractor may, on its own initiative and at its own expense, prepare and submit its own Change Request to the State. However, the State will be under no obligation to approve or otherwise respond to a Change Request initiated by Contractor.

2.3 Contractor Personnel.

(a) Contractor is solely responsible for all Contractor Personnel and for the payment of their compensation, including, if applicable, withholding of income taxes, and the payment and withholding of social security and other payroll taxes, unemployment insurance, workers' compensation insurance payments and disability benefits.

(b) Prior to any Contractor Personnel performing any Services, Contractor will:

(i) ensure that such Contractor Personnel have the legal right to work in the United States;

(ii) upon request, require such Contractor Personnel to execute written agreements, in form and substance acceptable to the State, that bind such Contractor Personnel to confidentiality provisions that are at least as protective of the State's information (including all Confidential Information) as those contained in this Contract; and

(iii) upon request, or as otherwise specified in a Statement of Work, perform background checks on all Contractor Personnel prior to their assignment. The scope is at the discretion of the State and documentation must be provided as requested. Contractor is responsible for all costs associated with the requested background checks. The State, in its sole discretion, may also perform background checks. Pursuant to Michigan law, all agencies subject to IRS Pub. 1075 are required to ask the Michigan State Police to perform fingerprint background checks on all employees, including Contractor and subcontractor employees, who may have access to any database of information maintained by the federal government that contains confidential or personal information, including, but not limited to, federal tax information. Further, pursuant to Michigan law, any agency described above is prohibited from providing Contractors or subcontractors with the result of such background check. For more information, please see Michigan Public Act 427 of 2018.

(c) Contractor and all Contractor Personnel will comply with all rules, regulations, and policies of the State that are communicated to Contractor in writing, including security procedures concerning systems and data and remote access, building security procedures, including the restriction of access by the State to certain

areas of its premises or systems, and general health and safety practices and procedures.

(d) The State reserves the right to require the removal of any Contractor Personnel found, in the judgment of the State, to be unacceptable. The State's request must be written with reasonable detail outlining the reasons for the removal request. Replacement personnel for the removed person must be fully qualified for the position. If the State exercises this right, and Contractor cannot immediately replace the removed personnel, the State agrees to negotiate an equitable adjustment in schedule or other terms that may be affected by the State's required removal.

2.4 Contractor Project Manager. Throughout the Term of this Contract, Contractor must maintain a Contractor employee acceptable to the State to serve as Contractor Project Manager, who will be considered Key Personnel of Contractor.

(a) Contractor Project Manager must:

- (i) have the requisite authority, and necessary skill, experience, and qualifications, to perform in such capacity;
- (ii) be responsible for overall management and supervision of Contractor's performance under this Contract; and
- (iii) be the State's primary point of contact for communications with respect to this Contract, including with respect to giving and receiving all day-to-day approvals and consents.

(b) Contractor Project Manager must attend all regularly scheduled meetings as set forth in the Implementation Plan and will otherwise be available as set forth in a Statement of Work.

(c) Contractor will maintain the same Contractor Project Manager throughout the Term of this Contract, unless:

- (i) the State requests in writing the removal of Contractor Project Manager;
- (ii) the State consents in writing to any removal requested by Contractor in writing;
- (iii) Contractor Project Manager ceases to be employed by Contractor, whether by resignation, involuntary termination or otherwise.

(d) Upon the occurrence of any event set forth in **Subsections 2.4(c)(i-iii)** above, Contractor will promptly replace its Contractor Project Manager. Such replacement will be subject to the State's prior written approval.

2.5 Contractor's Key Personnel.

(a) The State has the right to recommend and approve in writing the initial assignment, as well as any proposed reassignment or replacement, of any Key Personnel. Before assigning an individual to any Key Personnel position, Contractor will notify the State of the proposed assignment, introduce the individual to the State Program Managers or their designees, and provide the State with a resume and any other information about the individual reasonably requested by the State. The State reserves the right to interview the individual before granting written approval. In the event the State finds a proposed individual unacceptable, the State will provide a written explanation including reasonable detail outlining the reasons for the rejection.

(b) Contractor will not remove any Key Personnel from their assigned roles on this Contract without the prior written consent of the State. The Contractor's removal of Key Personnel without the prior written consent of the State is an unauthorized removal ("**Unauthorized Removal**"). An Unauthorized Removal does not include replacing Key Personnel for reasons beyond the reasonable control of Contractor, including illness, disability, leave of absence, personal emergency circumstances, resignation, or for cause termination of the Key Personnel's employment. Any Unauthorized Removal may be considered by the State to be a material breach of this Contract.

(c) It is further acknowledged that an Unauthorized Removal will interfere with the timely and proper completion of this Contract, to the loss and damage of the State, and that it would be impracticable and extremely difficult to determine and remedy the actual damage sustained by the State as a result of any Unauthorized Removal. Therefore, Contractor and the State agree that in the case of any Unauthorized Removal in respect of which the State does not elect to exercise its rights under **Section 16**, Contractor will issue to the State an amount equal to \$25,000 per individual (each, an "**Unauthorized Removal Credit**").

(d) Contractor acknowledges and agrees that each of the Unauthorized Removal Credits assessed under **Subsection 2.5(c)** above: (i) is a reasonable estimate of and compensation for the anticipated or actual harm to the State that may arise from the Unauthorized Removal, which would be impossible or very difficult to

accurately estimate; and (ii) may, at the State's option, be credited or set off against any Fees or other charges payable to Contractor under this Contract.

2.6 Subcontractors. Contractor must obtain prior written approval of the State, which consent may be given or withheld in the State's sole discretion, before engaging any Permitted Subcontractor to provide Services to the State under this Contract. Third parties otherwise retained by Contractor to provide Contractor or other clients of contractor with services are not Permitted Subcontractors, and therefore do not require prior approval by the State. Engagement of any subcontractor or Permitted Subcontractor by Contractor does not relieve Contractor of its representations, warranties or obligations under this Contract. Without limiting the foregoing, Contractor will:

(a) be responsible and liable for the acts and omissions of each such subcontractor (including such Permitted Subcontractor and Permitted Subcontractor's employees who, to the extent providing Deliverables, will be deemed Contractor Personnel) to the same extent as if such acts or omissions were by Contractor or its employees;

(b) name the State a third-party beneficiary under Contractor's Contract with each Permitted Subcontractor with respect to the Services;

(c) be responsible for all fees and expenses payable to, by or on behalf of each Permitted Subcontractor in connection with this Contract, including, if applicable, withholding of income taxes, and the payment and withholding of social security and other payroll taxes, unemployment insurance, workers' compensation insurance payments and disability benefits; and

(d) notify the State of the location of the Permitted Subcontractor and indicate if it is located within the continental United States.

3. Notices. All notices and other communications required or permitted under this Contract must be in writing and will be considered given and received: (a) when verified by written receipt if sent by courier; (b) when actually received if sent by mail without verification of receipt; or (c) when verified by automated receipt or electronic logs if sent by facsimile or email.

If to State:	If to Contractor:
Mecca Martin 320 S. Walnut St., Lansing, Michigan 48933 MartinM42@michigan.gov	STCHealth General Counsel 411 South First Street Phoenix, Arizona 85004

517-230-5694	Legal_Notifications@stchome.com (480) 745-8500
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4. Insurance. Contractor must maintain the minimum insurances identified in the Insurance Schedule attached as **Schedule C**.

5. Software License.

5.1 Reserved.

5.2 Subscription License. If the Software is Contractor Hosted and Contractor is providing the State access to use its Software during the Term of the Contract only, then:

(a) Contractor hereby grants to the State, exercisable by and through its Authorized Users, a nonexclusive, royalty-free, irrevocable right and license during the Term and such additional periods, if any, as Contractor is required to perform Services under this Contract or any Statement of Work, to:

(i) access and use the Software, including in operation with other software, hardware, systems, networks and services, for the State's governmental purposes, including for Processing State Data;

(ii) generate, print, copy, upload, download, store and otherwise Process all GUI, audio, visual, digital and other output, displays and other content as may result from any access to or use of the Software;

(iii) prepare, reproduce, print, download and use a reasonable number of copies of the Specifications and Documentation for any use of the Software under this Contract; and

(iv) access and use the Software for all such non-production uses and applications as may be necessary or useful for the effective use of the Software hereunder, including for purposes of analysis, development, configuration, integration, testing, training, maintenance, support and repair, which access and use will be without charge and not included for any purpose in any calculation of the State's or its Authorized Users' use of the Software, including for purposes of assessing any Fees or other consideration payable to Contractor or determining any excess use of the Software as described in **Subsection 5.2(c)** below.

(b) License Restrictions. The State will not: (a) rent, lease, lend, sell, sublicense, assign, distribute, publish, transfer or otherwise make the Software available to

any third party, except as expressly permitted by this Contract or in any Statement of Work; or (b) use or authorize the use of the Software or Documentation in any manner or for any purpose that is unlawful under applicable Law.

(c) Use. The State will pay Contractor the corresponding Fees set forth in a Statement of Work or Pricing Schedule for all Authorized Users access and use of the Software. Such Fees will be Contractor's sole and exclusive remedy for use of the Software, including any excess use.

5.3 Certification. To the extent that a License granted to the State is not unlimited, Contractor may request written certification from the State regarding use of the Software for the sole purpose of verifying compliance with this **Section**. Such written certification may occur no more than once in any 24-month period during the Term of the Contract. The State will respond to any such request within 45 calendar days of receipt. If the State's use is greater than contracted, Contractor may invoice the State for any unlicensed use (and related support) pursuant to the terms of this Contract at the rates set forth in **Schedule B**, and the unpaid license and support fees shall be payable in accordance with the terms of the Contract. Payment under this provision shall be Contractor's sole and exclusive remedy to cure these issues.

5.4 State License Grant to Contractor. The State hereby grants to Contractor a limited, non-exclusive, non-transferable license (i) to use the State's (or individual agency's, department's or division's) name, trademarks, service marks or logos, solely in accordance with the State's specifications, and (ii) to display, reproduce, distribute and transmit in digital form the State's (or individual agency's, department's or division's) name, trademarks, service marks or logos in connection with promotion of the Services as communicated to Contractor by the State. Use of the State's (or individual agency's, department's or division's) name, trademarks, service marks or logos will be specified in the applicable Statement of Work. Contractor is provided a limited license to State Materials for the sole and exclusive purpose of providing the Services.

6. Third Party Components.

At least 30 days prior, or as soon as known if, reasonably, Contractor must immediately add new Third Party Components where 30 days prior notice is not possible, Contractor will provide the State with notification information identifying and describing the addition of new Third Party Components. Throughout the Term, on an annual basis, Contractor will

provide updated information identifying and describing any new Third Party Components included in the Software.

7. Intellectual Property Rights

7.1 Ownership Rights in Software

(a) For purposes of this **Section 7** only, the term “Software” does not include Customizations.

(b) Subject to the rights and licenses granted by Contractor in this Contract and the provisions of **Subsection 7.1(c)**:

(i) Contractor reserves and retains its entire right, title and interest in and to all Intellectual Property Rights arising out of or relating to the Software; and

(ii) none of the State or Authorized Users acquire any ownership of Intellectual Property Rights in or to the Software or Documentation as a result of this Contract.

(c) As between the State, on the one hand, and Contractor, on the other hand, the State has, reserves and retains, sole and exclusive ownership of all right, title and interest in and to State Materials, User Data, including all Intellectual Property Rights arising therefrom or relating thereto.

7.2 If applicable the State is and will be the sole and exclusive owner of all right, title, and interest in and to all Work Product developed exclusively for the State under this Contract, including all Intellectual Property Rights. In furtherance of the foregoing:

(a) Contractor will create all Work Product as work made for hire as defined in Section 101 of the Copyright Act of 1976; and

(b) to the extent any Work Product, or Intellectual Property Rights do not qualify as, or otherwise fails to be, work made for hire, Contractor hereby:

(i) assigns, transfers, and otherwise conveys to the State, irrevocably and in perpetuity, throughout the universe, all right, title, and interest in and to such Work Product, including all Intellectual Property Rights; and

(ii) irrevocably waives any and all claims Contractor may now or hereafter have in any jurisdiction to so-called “moral rights” or rights of *droit moral* with respect to the Work Product.

8. Software Implementation.

8.1 Implementation. Contractor will as applicable; deliver, install, configure, integrate, and otherwise provide and make fully operational the Software on or prior to the applicable Milestone Date in accordance with the criteria set forth in a Statement of Work and the Implementation Plan.

8.2 Site Preparation. Unless otherwise set forth in a Statement of Work, Contractor is responsible for ensuring the relevant Operating Environment is set up and in working order to allow Contractor to deliver and install the Software on or prior to the applicable Milestone Date. Contractor will provide the State with such notice as is specified in a Statement of Work, prior to delivery of the Software to give the State sufficient time to prepare for Contractor’s delivery and installation of the Software. If the State is responsible for Site preparation, Contractor will provide such assistance as the State requests to complete such preparation on a timely basis.

9. Software Acceptance Testing.

9.1 Acceptance Testing.

(a) Unless otherwise specified in a Statement of Work, upon installation of the Software, or in the case of Contractor Hosted Software, when Contractor notifies the State in writing that the Hosted Services are ready for use in a production environment, Acceptance Tests will be conducted as set forth in this **Section 9** to ensure the Software conforms to the requirements of this Contract, including the applicable Specifications and Documentation.

(b) All Acceptance Tests will take place at the designated Site(s) in the Operating Environment described in a Statement of Work, commence on the Business Day following installation of the Software, or the receipt by the State of the notification referenced in **Subsection 9.1(a)**, and be conducted diligently for up to 30 Business Days, or such other period as may be set forth in a Statement of Work (the “**Testing Period**”). Acceptance Tests will be conducted by the party responsible as set forth in a Statement of Work or, if a Statement of Work does not specify, the State, provided that:

(i) for Acceptance Tests conducted by the State, if requested by the State, Contractor will make suitable Contractor Personnel available to observe or participate in such Acceptance Tests; and

(ii) for Acceptance Tests conducted by Contractor, the State has the right to observe or participate in all or any part of such Acceptance Tests.

9.2 Contractor is solely responsible for all costs and expenses related to Contractor's performance of, participation in, and observation of Acceptance Testing.

(a) Upon delivery and installation of any application programming interfaces, Configuration or Customizations, or any other applicable Work Product, to the Software under a Statement of Work, additional Acceptance Tests will be performed on the modified Software as a whole to ensure full operability, integration, and compatibility among all elements of the Software ("**Integration Testing**"). Integration Testing is subject to all procedural and other terms and conditions set forth in this **Section**.

(b) The State may suspend Acceptance Tests and the corresponding Testing Period by written notice to Contractor if the State discovers a material Nonconformity in the tested Software or part or feature of the Software. In such event, Contractor will immediately, and in any case within 10 Business Days, correct such Nonconformity, whereupon the Acceptance Tests and Testing Period will resume for the balance of the Testing Period.

9.3 Notices of Completion, Non-Conformities, and Acceptance. Within 15 Business Days following the completion of any Acceptance Tests, including any Integration Testing, the party responsible for conducting the tests will prepare and provide to the other party written notice of the completion of the tests. Such notice must include a report describing in reasonable detail the tests conducted and the results of such tests, including any uncorrected Nonconformity in the tested Software.

(a) If such notice is provided by either party and identifies any Nonconformities, the parties' rights, remedies, and obligations will be as set forth in **Subsection 9.4** and **Subsection 9.5**.

(b) If such notice is provided by the State, is signed by the State Program Managers or their designees, and identifies no Nonconformities, such notice constitutes the State's Acceptance of such Software.

(c) If such notice is provided by Contractor and identifies no Non-Conformities, the State will have 30 Business Days to use the Software in the Operating Environment and determine, in the exercise of its sole discretion, whether it is satisfied that the Software contains no Nonconformities, on the completion of which the State will, as appropriate:

(i) notify Contractor in writing of Nonconformities the State has observed in the Software and of the State's non-acceptance thereof, whereupon the parties' rights, remedies and obligations will be as set forth in **Subsection 9.4** and **Subsection 9.5**; or

(ii) provide Contractor with a written notice of its Acceptance of such Software, which must be signed by the State Program Managers or their designees.

9.4 Failure of Acceptance Tests. If Acceptance Tests identify any Non-Conformities, Contractor, at Contractor's sole cost and expense, will remedy all such Nonconformities and re-deliver the Software, in accordance with the requirements set forth in the Contract. Redelivery will occur as promptly as commercially possible and, in any case, within 30 Business Days following, as applicable, Contractor's:

(a) completion of such Acceptance Tests, in the case of Acceptance Tests conducted by Contractor; or

(b) receipt of the State's notice under **Subsection 9. (a)** or **(c)(i)**, identifying any Nonconformities.

9.5 Repeated Failure of Acceptance Tests. If Acceptance Tests identify any Nonconformity in the Software after a second or subsequent delivery of the Software, or Contractor fails to re-deliver the Software on a timely basis, the State may, in its sole discretion, by written notice to Contractor:

(a) continue the process set forth in this **Section 9**;

(b) accept the Software as a nonconforming deliverable, in which case the Fees for such Software will be reduced equitably to reflect the value of the Software as received relative to the value of the Software had it conformed; or

(c) deem the failure to be a non-curable material breach of this Contract and a Statement of Work and terminate this Contract in accordance with **Section 16**.

9.6 Acceptance. Acceptance (“**Acceptance**”) of the Software (subject, where applicable, to the State’s right to Integration Testing) will occur on the date that is the earliest of the State’s delivery of a notice accepting the Software under **Subsection 9.3(b)**, or **(c)(ii)**.

10. Non-Software Acceptance.

10.1 Reserved.

10.2 Reserved.

10.3 All other non-Software Deliverables are subject to inspection and testing by the State within 30 calendar days of the State’s receipt of them (“State Review Period”), unless otherwise provided in the Statement of Work. If the non-Software Deliverables are not fully accepted by the State, the State will notify Contractor by the end of the State Review Period that either: (a) the non-Software Deliverables are accepted but noted deficiencies must be corrected; or (b) the non-Software Deliverables are rejected. If the State finds material deficiencies, it may: (i) reject the non-Software Deliverables without performing any further inspections; (ii) demand performance at no additional cost; or (iii) terminate this Contract in accordance with **Section 16**.

10.4 Within 10 business days from the date of Contractor’s receipt of notification of acceptance with deficiencies or rejection of any non-Software Deliverables, Contractor must cure, at no additional cost, the deficiency and deliver unequivocally acceptable non-Software Deliverables to the State. If acceptance with deficiencies or rejection of the non-Software Deliverables impacts the content or delivery of other non-completed non-Software Deliverables, the parties’ respective Program Managers must determine an agreed to number of days for re-submission that minimizes the overall impact to the Contract. However, nothing herein affects, alters, or relieves Contractor of its obligations to correct deficiencies in accordance with the time response standards set forth in this Contract.

10.5 If Contractor is unable or refuses to correct the deficiency within the time response standards set forth in this Contract, the State may cancel the order in whole or in part. The State, or a third party identified by the State, may provide the non-Software Deliverables and recover the difference between the cost to cure and the Contract price plus an additional 10% administrative fee.

11. Assignment. Contractor may not assign this Contract or any of its rights or delegate any of its duties or obligations hereunder, voluntarily, or involuntarily, whether by merger (regardless of whether it is the surviving or disappearing entity), conversion, consolidation,

dissolution, or operation of law to any other party without the prior written approval of the State. Upon notice to Contractor, the State, in its sole discretion, may assign in whole or in part, its rights or responsibilities under this Contract to any other governmental entity if such assignment is made reasonably necessary by operation of controlling law or regulation. If the State determines that a novation of the Contract to a third party is necessary, Contractor will agree to the novation and provide all necessary documentation and signatures.

12. Change of Control. Contractor will notify the State, within 30 days of any public announcement or otherwise once legally permitted to do so, of a change in Contractor's organizational structure or ownership. For purposes of this Contract, a change in control means any of the following:

- (a) a sale of more than 50% of Contractor's stock;
- (b) a sale of substantially all of Contractor's assets;
- (c) a change in a majority of Contractor's board members;
- (d) consummation of a merger or consolidation of Contractor with any other entity;
- (e) a change in ownership through a transaction or series of transactions;
- (f) or the board (or the stockholders) approves a plan of complete liquidation.

A change of control does not include any consolidation or merger effected exclusively to change the domicile of Contractor, or any transaction or series of transactions principally for bona fide equity financing purposes. In the event of a change of control, Contractor must require the successor to assume this Contract and all of its obligations under this Contract.

13. Invoices and Payment.

13.1 Invoices must conform to the requirements communicated from time-to-time by the State. All undisputed amounts are payable within 45 days of the State's receipt. Contractor may only charge for Deliverables provided as specified in Statement(s) of Work. Invoices must include an itemized statement of all charges.

13.2 The State has the right to withhold payment of any disputed amounts until the parties agree as to the validity of the disputed amount. The State will notify Contractor of any dispute within a reasonable time. Payment by the State will not constitute a waiver of any rights as to Contractor's continuing obligations, including claims for

deficiencies or substandard Deliverables. Contractor's acceptance of final payment by the State constitutes a waiver of all claims by Contractor against the State for payment under this Contract, other than those claims previously filed in writing on a timely basis and still disputed.

13.3 The State will only disburse payments under this Contract through Electronic Funds Transfer (EFT). Contractor must register with the State at <http://www.michigan.gov/SIGMAVSS> to receive electronic fund transfer payments. If Contractor does not register, the State is not liable for failure to provide payment.

13.4 Right of Setoff. Without prejudice to any other right or remedy it may have, the State reserves the right to set off at any time any amount then due and owing to it by Contractor against any amount payable by the State to Contractor under this Contract.

13.5 Taxes. The State is exempt from State sales tax for direct purchases and may be exempt from federal excise tax, if Deliverables purchased under this Contract are for the State's exclusive use. Notwithstanding the foregoing, all Fees are exclusive of taxes, and Contractor is responsible for all sales, use and excise taxes, and any other similar taxes, duties and charges of any kind imposed by any federal, state, or local governmental entity on any amounts payable by the State under this Contract.

13.6 Pricing/Fee Changes. All Pricing set forth in this Contract will not be increased, except as otherwise expressly provided in this Section.

(a) The Fees will not be increased at any time except for the addition of additional licenses, the fees for which licenses will also remain firm in accordance with the Pricing set forth in the Pricing Schedule.

(b) Excluding federal government charges and terms. Contractor warrants and agrees that each of the Fees, economic or product terms or warranties granted pursuant to this Contract are comparable to or better than the equivalent fees, economic or product term or warranty being offered to any commercial or government customer (including any public educational institution within the State of Michigan) of Contractor. If Contractor enters into any arrangements with another customer of Contractor to provide the products or services, available under this Contract, under more favorable prices, as the prices may be indicated on Contractor's current U.S. and International price list or comparable document, then this Contract will be deemed amended as of the date of such other arrangements to incorporate those more favorable prices, and Contractor will immediately notify the State of such Fee and formally memorialize the new pricing in a Change Notice.

14. Liquidated Damages.

14.1 The parties understand and agree that any liquidated damages (which includes but is not limited to applicable credits) set forth in this Contract are reasonable estimates of the State's damages in accordance with applicable law.

14.2 The parties acknowledge and agree that Contractor could incur liquidated damages for more than one event.

14.3 The assessment of liquidated damages will not constitute a waiver or release of any other remedy the State may have under this Contract for Contractor's breach of this Contract, including without limitation, the State's right to terminate this Contract for cause and the State will be entitled in its discretion to recover actual damages caused by Contractor's failure to perform its obligations under this Contract. However, the State will reduce such actual damages by the amounts of liquidated damages received for the same events causing the actual damages.

14.4 Amounts due the State as liquidated damages may be set off against any Fees payable to Contractor under this Contract, or the State may bill Contractor as a separate item and Contractor will promptly make payments on such bills.

15. Stop Work Order. The State may suspend any or all activities under the Contract at any time. The State will provide Contractor a written stop work order detailing the suspension. Contractor must comply with the stop work order upon receipt. Within 90 calendar days, or any longer period agreed to by Contractor, the State will either:

- (a) issue a notice authorizing Contractor to resume work, or
- (b) terminate the Contract or delivery order. The State will not pay for activities that have been suspended, Contractor's lost profits, or any additional compensation during a stop work period.

16. Termination, Expiration, Transition. The State may terminate this Contract, the Support Services, or any Statement of Work, in accordance with the following:

16.1 Termination for Cause. In addition to any right of termination set forth elsewhere in this Contract:

- (a) The State may terminate this Contract for cause, in whole or in part, if Contractor, as determined by the State:

- i) endangers the value, integrity, or security of State Systems, State Data, or the State's facilities or personnel;
- (ii) becomes insolvent, petitions for bankruptcy court proceedings, or has an involuntary bankruptcy proceeding filed against it by any creditor; or
- (iii) breaches any of its material duties or obligations under this Contract. Any reference to specific breaches being material breaches within this Contract will not be construed to mean that other breaches are not material.

(b) If the State terminates this Contract under this **Subsection 16.1**, the State will issue a termination notice specifying whether Contractor must:

- (i) cease performance immediately. Contractor must submit all invoices for Services accepted by the State within 30 days of the date of termination. Failure to submit an invoice within that timeframe will constitute a waiver by Contractor for any amounts due to Contractor for Services accepted by the State under this Contract, or
- (ii) continue to perform for a specified period. If it is later determined that Contractor was not in breach of this Contract, the termination will be deemed to have been a termination for convenience, effective as of the same date, and the rights and obligations of the parties will be limited to those provided in **Subsection 16.2**.

(c) The State will only pay for amounts due to Contractor for Services accepted by the State on or before the date of termination, subject to the State's right to set off any amounts owed by the Contractor for the State's reasonable costs in terminating this Contract. Contractor must promptly reimburse to the State any Fees prepaid by the State prorated to the date of such termination, including any prepaid Fees. Contractor must pay all reasonable costs incurred by the State in terminating this Contract for cause, including administrative costs, attorneys' fees, court costs, transition costs, and any costs the State incurs to procure the Services from other sources.

16.2 Termination for Convenience. The State may immediately terminate this Contract in whole or in part, without penalty and for any reason or no reason, including but not limited to, appropriation or budget shortfalls. The termination notice will specify whether Contractor must:

(a) cease performance immediately. Contractor must submit all invoices for Services accepted by the State within 30 days of the date of termination. Failure to submit an invoice within that timeframe will constitute a waiver by Contractor for any amounts due to Contractor for Services accepted by the State under this Contract, or

(b) continue to perform in accordance with **Subsection 16.3**. If the State terminates this Contract for convenience, the State will pay all reasonable costs, as determined by the State, for State approved Transition Responsibilities to the extent the funds are available.

16.3 Transition Responsibilities.

(a) Upon termination or expiration of this Contract for any reason, Contractor must, for a period of time specified by the State (not to exceed 90 calendar days; the “**Transition Period**”), provide all reasonable transition assistance requested by the State, to allow for the expired or terminated portion of the Contract to continue without interruption or adverse effect, and to facilitate the orderly transfer of the Services to the State or its designees. Such transition assistance may include but is not limited to:

(i) continuing to perform the Services at the established Contract rates;

(ii) taking all reasonable and necessary measures to transition performance of the work, including all applicable Services to the State or the State’s designee;

(iii) taking all necessary and appropriate steps, or such other action as the State may direct, to preserve, maintain, protect, and comply with **Section 22**, including without limitation, the return or destruction of State Data at the conclusion of the Transition Period; and

(iv) preparing an accurate accounting from which the State and Contractor may reconcile all outstanding accounts (collectively, the “**Transition Responsibilities**”). The Term of this Contract is automatically extended through the end of the Transition Period.

(b) Contractor will follow the transition plan attached as **Schedule G** as it pertains to both transition in and transition out activities.

17. Indemnification

17.1 General Indemnification. Contractor must defend, indemnify and hold the State, its departments, divisions, agencies, offices, commissions, officers, and employees harmless, without limitation, from and against any and all actions, claims, losses, liabilities, damages, costs, attorney fees, and expenses (including those required to establish the right to indemnification), arising out of or relating to:

(a) any breach by Contractor (or any of Contractor's employees, agents, subcontractors, or by anyone else for whose acts any of them may be liable) of any of the promises, agreements, representations, warranties, or insurance requirements contained in this Contract;

(b) any infringement, misappropriation, or other violation of any Intellectual Property Right or other right of any third party;

(c) any bodily injury, death, or damage to real or tangible personal property occurring wholly or in part due to action or inaction by Contractor (or any of Contractor's employees, agents, subcontractors, or by anyone else for whose acts any of them may be liable); and

(d) any acts or omissions of Contractor (or any of Contractor's employees, agents, subcontractors, or by anyone else for whose acts any of them may be liable).

17.2 Indemnification Procedure. The State will notify Contractor in writing if indemnification is sought; however, failure to do so will not relieve Contractor, except to the extent that Contractor is materially prejudiced. Contractor must, to the satisfaction of the State, demonstrate its financial ability to carry out these obligations. The State is entitled to:

(a) regular updates on proceeding status;

(b) participate in the defense of the proceeding;

(c) employ its own counsel; and to

(d) retain control of the defense, at its own cost and expense, if the State deems necessary. Contractor will not, without the State's prior written consent (not to be unreasonably withheld), settle, compromise, or consent to the entry of any judgment in or otherwise seek to terminate any claim, action, or proceeding. Any litigation activity on behalf of the State or any of its subdivisions must be coordinated with the Department of Attorney General. An attorney designated to represent the State may not do so until approved by the Michigan Attorney General and appointed as a Special Assistant Attorney General.

17.3 The State is constitutionally prohibited from indemnifying Contractor or any third parties.

18. Infringement Remedies.

18.1 The remedies set forth in this Section are in addition to, and not in lieu of, all other remedies that may be available to the State under this Contract or otherwise, including the State's right to be indemnified for such actions.

18.2 If any Deliverable, or any component thereof, other than State Materials, is found to be infringing or if any use of any Software or any component thereof is enjoined, threatened to be enjoined or otherwise the subject of an infringement claim, Contractor must, at Contractor's sole cost and expense:

- (a) procure for the State the right to continue to use such Deliverable, or component thereof to the full extent contemplated by this Contract; or
- (b) modify or replace the materials that infringe or are alleged to infringe ("**Allegedly Infringing Materials**") to make the Deliverable and all of its components non-infringing while providing fully equivalent features and functionality.

18.3 If neither of the foregoing is possible notwithstanding Contractor's best efforts, then Contractor may direct the State to cease any use of any materials that have been enjoined or finally adjudicated as infringing, provided that Contractor will:

- (a) refund to the State all amounts paid by the State in respect of such Allegedly Infringing Materials and any other aspects of the Deliverable provided under a Statement of Work for the Allegedly Infringing Materials that the State cannot reasonably use as intended under this Contract; and
- (b) in any case, at its sole cost and expense, secure the right for the State to continue using the Allegedly Infringing Materials for a transition period of up to 6 months to allow the State to replace the affected features of the Deliverable without disruption.

18.4 If Contractor directs the State to cease using any Deliverable under **Subsection 18.3**, the State, at its sole discretion, will be entitled to declare such a direction from the Contractor to cease use a material breach of the Contract and may terminate this Contract under **Section 16**. Unless the claim arose against the Deliverable independently of any of the actions specified below, Contractor will have no liability for any claim of infringement arising solely from:

(a) Contractor's compliance with any designs, specifications, or instructions of the State; or

(b) modification of the Deliverable by the State without the prior knowledge and approval of Contractor.

19. Disclaimer of Damages and Limitation of Liability.

19.1 The State's Disclaimer of Damages. THE STATE WILL NOT BE LIABLE, REGARDLESS OF THE FORM OF ACTION, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY OR BY STATUTE OR OTHERWISE, FOR ANY CLAIM RELATED TO OR ARISING UNDER THIS CONTRACT FOR CONSEQUENTIAL, INCIDENTAL, INDIRECT, OR SPECIAL DAMAGES, INCLUDING WITHOUT LIMITATION LOST PROFITS AND LOST BUSINESS OPPORTUNITIES.

19.2 The State's Limitation of Liability. IN NO EVENT WILL THE STATE'S AGGREGATE LIABILITY TO CONTRACTOR UNDER THIS CONTRACT, REGARDLESS OF THE FORM OF ACTION, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY OR BY STATUTE OR OTHERWISE, FOR ANY CLAIM RELATED TO OR ARISING UNDER THIS CONTRACT, EXCEED THE MAXIMUM AMOUNT OF FEES PAYABLE UNDER THIS CONTRACT.

20. Disclosure of Litigation, or Other Proceeding. Contractor must notify the State within 14 calendar days of receiving notice of any litigation, investigation, arbitration, or other proceeding (collectively, "**Proceeding**") involving Contractor, a Permitted Subcontractor, or an officer or director of Contractor or Permitted Subcontractor, that arises during the term of the Contract, including:

(a) a criminal Proceeding;

(b) a parole or probation Proceeding;

(c) a Proceeding under the Sarbanes-Oxley Act;

(d) a civil Proceeding involving:

(i) a claim that might reasonably be expected to adversely affect Contractor's viability or financial stability; or

(ii) a governmental or public entity's claim or written allegation of fraud; or

(e) a Proceeding involving any license that Contractor is required to possess in order to perform under this Contract.

21. State Data.

21.1 Ownership. The State's data ("**State Data**"), which will be treated by Contractor as Confidential Information, includes:

- (a) User Data; and
- (b) any other data collected, used, Processed, stored, or generated in connection with the Services, including but not limited to:
 - (i) personally identifiable information ("**PII**") collected, used, Processed, stored, or generated as the result of the Services, including, without limitation, any information that identifies an individual, such as an individual's social security number or other government-issued identification number, date of birth, address, telephone number, biometric data, mother's maiden name, email address, credit card information, or an individual's name in combination with any other of the elements here listed; and
 - (ii) protected health information ("**PHI**") collected, used, Processed, stored, or generated as the result of the Services, which is defined under the Health Insurance Portability and Accountability Act ("**HIPAA**") and its related rules and regulations.

21.2 State Data is and will remain the sole and exclusive property of the State and all right, title, and interest in the same is reserved by the State.

21.3 Contractor Use of State Data. Contractor is provided a limited license to State Data for the sole and exclusive purpose of providing the Services, including a license to collect, process, store, generate, and display State Data only to the extent necessary in the provision of the Services.

Contractor is provided a limited license to use State Data in order to improve the Software, including offerings, and to provide Support Services during the Term of the Contract.

Contractor must:

- (a) keep and maintain State Data in strict confidence, using such degree of care as is appropriate and consistent with its obligations as further described in this Contract and applicable law to avoid unauthorized access, use, disclosure, or loss;

(b) use and disclose State Data solely and exclusively for the purpose of providing the Services, such use and disclosure being in accordance with this Contract, any applicable Statement of Work, and applicable law;

(c) keep and maintain State Data in the continental United States and

(d) not use, sell, rent, transfer, mine, distribute, commercially exploit, or otherwise disclose or make available State Data for Contractor's own purposes or for the benefit of anyone other than the State without the State's prior written consent. Contractor's misuse of State Data may violate state or federal laws, including but not limited to MCL 752.795.

21.4 Third-Party Requests. Contractor will immediately notify the State upon receipt of any third-party requests which in any way might reasonably require access to State Data. Contractor will notify the State Program Managers or their designees by the fastest means available and also in writing. Contractor must provide such notification within twenty-four (24) hours from Contractor's receipt of the request. Contractor will not respond to subpoenas, service of process, FOIA requests, and other legal requests related to the State without first notifying the State. Upon request by the State, Contractor must provide to the State, its proposed response to the third-party request with adequate time for the State to review, and, as it deems necessary, to revise the response, object, or take other action.

21.5 Loss or Compromise of Data. In the event of any act, error or omission, negligence, misconduct, or breach on the part of Contractor that compromises or is suspected to compromise the security, confidentiality, integrity, or availability of State Data or the physical, technical, administrative, or organizational safeguards put in place by Contractor that relate to the protection of the security, confidentiality, or integrity of State Data, Contractor must, as applicable:

(a) notify the State as soon as practicable but no later than 24 hours of becoming aware of such occurrence;

(b) cooperate with the State in investigating the occurrence, including making available all relevant records, logs, files, data reporting, and other materials required to comply with applicable law or as otherwise required by the State;

(c) in the case of PII or PHI, at the State's sole election:

(i) with approval and assistance from the State, notify the affected individuals who comprise the PII or PHI as soon as practicable but no later than is

required to comply with applicable law, or, in the absence of any legally required notification period, within 5 calendar days of the occurrence; or

(ii) reimburse the State for any costs in notifying the affected individuals;

(d) in the case of PII, provide third-party credit and identity monitoring services to each of the affected individuals who comprise the PII for the period required to comply with applicable law, or, in the absence of any legally required monitoring services, for no less than 24 months following the date of notification to such individuals;

(e) perform or take any other actions required to comply with applicable law as a result of the occurrence;

(f) pay for any costs associated with the occurrence, including but not limited to any costs incurred by the State in investigating and resolving the occurrence, including reasonable attorney's fees associated with such investigation and resolution;

(g) without limiting Contractor's obligations of indemnification as further described in this Contract, indemnify, defend, and hold harmless the State for any and all claims, including reasonable attorneys' fees, costs, and incidental expenses, which may be suffered by, accrued against, charged to, or recoverable from the State in connection with the occurrence;

(h) be responsible for recreating lost State Data in the manner and on the schedule set by the State without charge to the State; and

(i) provide to the State a detailed plan within 10 calendar days of the occurrence describing the measures Contractor will undertake to prevent a future occurrence. Notification to affected individuals, as described above, must comply with applicable law, be written in plain language, not be tangentially used for any solicitation purposes, and contain, at a minimum: name and contact information of Contractor's representative; a description of the nature of the loss; a list of the types of data involved; the known or approximate date of the loss; how such loss may affect the affected individual; what steps Contractor has taken to protect the affected individual; what steps the affected individual can take to protect himself or herself; contact information for major credit card reporting agencies; and, information regarding the credit and identity monitoring services to be provided by Contractor. The State will have the option to review and approve any notification sent to affected individuals prior to its delivery. Notification to any other party,

including but not limited to public media outlets, must be reviewed and approved by the State in writing prior to its dissemination.

21.6 The parties agree that any damages arising out of a breach of the terms set forth in this **Section** are to be considered direct damages and not consequential damages.

22. Non-Disclosure of Confidential Information. The parties acknowledge that each party may be exposed to or acquire communication or data of the other party that is confidential, privileged communication not intended to be disclosed to third parties.

22.1 Meaning of Confidential Information. For the purposes of this Contract, the term “**Confidential Information**” means all information and documentation of a party that: (a) has been marked “confidential” or with words of similar meaning, at the time of disclosure by such party; (b) if disclosed orally or not marked “confidential” or with words of similar meaning, was subsequently summarized in writing by the disclosing party and marked “confidential” or with words of similar meaning; and, (c) should reasonably be recognized as confidential information of the disclosing party. The term “Confidential Information” does not include any information or documentation that was: (a) subject to disclosure under the Michigan Freedom of Information Act (FOIA); (b) already in the possession of the receiving party without an obligation of confidentiality; (c) developed independently by the receiving party, as demonstrated by the receiving party, without violating the disclosing party’s proprietary rights; (d) obtained from a source other than the disclosing party without an obligation of confidentiality; or, (e) publicly available when received, or thereafter became publicly available (other than through any unauthorized disclosure). For purposes of this Contract, in all cases and for all matters, State Data is deemed to be Confidential Information.

22.2 Obligation of Confidentiality. The parties agree to hold all Confidential Information in strict confidence and not to copy, reproduce, sell, transfer, or otherwise dispose of, give or disclose such Confidential Information to third parties other than employees, agents, or subcontractors of a party who have a need to know in connection with this Contract or to use such Confidential Information for any purposes whatsoever other than the performance of this Contract. The parties agree to advise and require their respective employees, agents, and subcontractors of their obligations to keep all Confidential Information confidential. Disclosure to the Contractor’s subcontractor is permissible where:

(a) the subcontractor is a Permitted Subcontractor;

(b) the disclosure is necessary or otherwise naturally occurs in connection with work that is within the Permitted Subcontractor's responsibilities; and

(c) Contractor obligates the Permitted Subcontractor in a written contract to maintain the State's Confidential Information in confidence. At the State's request, any of the Contractor's and Permitted Subcontractor's Representatives may be required to execute a separate agreement to be bound by the provisions of this **Subsection 22.2**.

22.3 Cooperation to Prevent Disclosure of Confidential Information. Each party must use its best efforts to assist the other party in identifying and preventing any unauthorized use or disclosure of any Confidential Information. Without limiting the foregoing, each party must advise the other party immediately in the event either party learns or has reason to believe that any person who has had access to Confidential Information has violated or intends to violate the terms of this Contract. Each party will cooperate with the other party in seeking injunctive or other equitable relief against any such person.

22.4 Remedies for Breach of Obligation of Confidentiality. Each party acknowledges that breach of its obligation of confidentiality may give rise to irreparable injury to the other party, which damage may be inadequately compensable in the form of monetary damages. Accordingly, a party may seek and obtain injunctive relief against the breach or threatened breach of the foregoing undertakings, in addition to any other legal remedies which may be available, to include, in the case of the State, at the sole election of the State, the immediate termination, without liability to the State, of this Contract or any Statement of Work corresponding to the breach or threatened breach.

22.5 Surrender of Confidential Information. Upon termination or expiration of this Contract or a Statement of Work, in whole or in part, each party must, within 5 Business Days from the date of termination or expiration, return to the other party any and all Confidential Information received from the other party, or created or received by a party on behalf of the other party, which are in such party's possession, custody, or control. Upon confirmation from the State, of receipt of all data, Contractor must permanently sanitize or destroy the State's Confidential Information, including State Data, from all media including backups using National Security Agency ("NSA") and/or National Institute of Standards and Technology ("NIST") (NIST Guide for Media Sanitization 800-88) data sanitization methods or as otherwise instructed by the State. If the State determines that the return of any Confidential Information is not feasible or necessary, Contractor must destroy the Confidential Information as specified above. The Contractor must certify the destruction of Confidential Information (including

State Data) in writing within 5 Business Days from the date of confirmation from the State.

23. Records Maintenance, Inspection, Examination, and Audit.

23.1 Right of Audit. Pursuant to MCL 18.1470, the State or its designee may audit Contractor to verify compliance with this Contract. Contractor must retain and provide to the State or its designee and the auditor general upon request, all financial and accounting records related to this Contract through the Term of this Contract and for 4 years after the latter of termination, expiration, or final payment under this Contract or any extension (“**Financial Audit Period**”). If an audit, litigation, or other action involving the records is initiated before the end of the Financial Audit Period, Contractor must retain the records until all issues are resolved.

23.2 Right of Inspection. Within 10 calendar days of providing notice, the State and its authorized representatives or designees have the right to enter and inspect Contractor’s premises or any other places where Services are being performed, and examine, copy, and audit all records related to this Contract. Contractor must cooperate and provide reasonable assistance. If financial errors are revealed, the amount in error must be reflected as a credit or debit on subsequent invoices until the amount is paid or refunded. Any remaining balance at the end of this Contract must be paid or refunded within 45 calendar days.

23.3 Application. This **Section 23** applies to Contractor, any Affiliate, and any Permitted Subcontractor that performs Services in connection with this Contract.

24. Support Services. Notwithstanding the State’s obligations of payment as set forth in the Pricing Schedule, Contractor will provide the State with the Support Services described in the Service Level Agreement attached as **Schedule D** to this Contract. Such Support Services will be provided:

(a) Free of charge during the Warranty Period.

(b) Thereafter, for so long as the State elects to receive Support, in consideration of the State's payment of Fees for such services in accordance with the rates set forth in the Pricing Schedule.

25. Data Security Requirements. Throughout the Term and at all times in connection with its actual or required performance of the Services, Contractor will maintain and enforce an information security program including safety and physical and technical security policies and procedures with respect to its Processing of the State’s Confidential Information that

comply with the requirements of the State's data security policies as set forth in **Schedule E** to this Contract.

26. Training. Contractor will provide, at no additional charge, training on the Deliverable provided hereunder in accordance with the times, locations and other terms set forth in a Statement of Work. Upon the State's request, Contractor will timely provide training for additional Authorized Users or other additional training on the Deliverables for which the State requests such training, at such reasonable times and locations and pursuant to such rates and other terms as are set forth in the Pricing Schedule.

27. Maintenance Releases; New Versions

27.1 Maintenance Releases. Provided that the State is current on its Fees, during the Term, Contractor will provide the State, at no additional charge, with all Maintenance Releases, each of which will constitute Software and be subject to the terms and conditions of this Contract.

27.2 New Versions. Provided that the State is current on its Fees, during the Term, Contractor will provide the State, at no additional charge, with all New Versions, each of which will constitute Software and be subject to the terms and conditions of this Contract.

27.3 Installation. The State has no obligation to install or use any Maintenance Release or New Versions. If the State wishes to install any Maintenance Release or New Version, the State will have the right to have such Maintenance Release or New Version installed, in the State's discretion, by Contractor or other authorized party as set forth in a Statement of Work. Contractor will provide the State, at no additional charge, adequate Documentation for installation of the Maintenance Release or New Version, which has been developed and tested by Contractor and Accepted Tested by the State. The State's decision not to install or implement a Maintenance Release or New Version of the Software will not affect its right to receive Support Services throughout the Term of this Contract.

27.4 Supported Third Party and Open-Source Components. Contractor will utilize only currently supported versions of all Third Party or Open-Source Components and will notify the State when not using the most recently published Third Party and Open-Source Components.

28. Source Code Escrow

28.1 Escrow Contract. The parties may enter into a separate intellectual property escrow agreement. Such escrow agreement will govern all aspects of Source Code escrow and release. The cost of the escrow will be the sole responsibility of Contractor.

28.2 Deposit. Within 30 business days of the Effective Date, Contractor will deposit with the escrow agent, pursuant to the procedures of the escrow agreement, the Source Code for the Software, as well as the Documentation and names and contact information for each author or other creator of the Software. Promptly after release of any update, upgrade, patch, bug fix, enhancement, new version, or other revision to the Software, Contractor will deposit updated Source Code, documentation, names, and contact information with the escrow agent (all of which is collectively referred to herein as “**Deposit Material**”).

28.3 Verification. At State’s request and expense, the escrow agent may at any time verify the Deposit Material, including without limitation by compiling Source Code, comparing it to the Software, and reviewing the completeness and accuracy of any and all material. In the event that the Deposit Material does not conform to the requirements of **Subsection 28.2** above:

- (a) Contractor will promptly deposit conforming Deposit Material; and
- (b) Contractor will pay the escrow agent for subsequent verification of the new Deposit Material. Any breach of the provisions of this **Section 28** will constitute material breach of this Contract, and no further payments will be due from the State until such breach is cured, in addition to any other remedies the State may have.

28.4 Deposit Material License. Contractor hereby grants the State a license to use, reproduce, and create derivative works from the Deposit Material, provided the State may not distribute or sublicense the Deposit Material or make any use of it whatsoever except for such internal or governmental uses as necessary to maintain and support the Software. Copies of the Deposit Material created or transferred pursuant to this Contract are licensed, not sold, and the State receives no title to or ownership of any copy or of the Deposit Material itself. The Deposit Material constitutes Confidential Information of Contractor pursuant to **Section 22** (Non-disclosure of Confidential Information) of this Contract (provided no provision of **Subsection 22.4** calling for return of Confidential Information before termination of this Contract will apply to the Deposit Material).

29. Contractor Representations and Warranties.

29.1 Authority. Contractor represents and warrants to the State that:

- (a) It is duly organized, validly existing, and in good standing as a corporation or other entity as represented under this Contract under the laws and regulations of its jurisdiction of incorporation, organization, or chartering;
- (b) It has the full right, power, and authority to enter into this Contract, to grant the rights and licenses granted under this Contract, and to perform its contractual obligations;
- (c) The execution of this Contract by its Representative has been duly authorized by all necessary organizational action; and
- (d) When executed and delivered by Contractor, this Contract will constitute the legal, valid, and binding obligation of Contractor, enforceable against Contractor in accordance with its terms.
- (e) Contractor is neither currently engaged in nor will engage in the boycott of a person based in or doing business with a strategic partner as described in 22 USC 8601 to 8606.

29.2 Bid Response. Contractor represents and warrants to the State that:

- (a) The prices proposed by Contractor were arrived at independently, without consultation, communication, or agreement with any other Bidder for the purpose of restricting competition; the prices quoted were not knowingly disclosed by Contractor to any other Bidder to the RFP; and no attempt was made by Contractor to induce any other Person to submit or not submit a proposal for the purpose of restricting competition;
- (b) All written information furnished to the State by or for Contractor in connection with this Contract, including Contractor's Bid Response, is true, accurate, and complete, and contains no untrue statement of material fact or omits any material fact necessary to make the information not misleading;
- (c) Contractor is not in material default or breach of any other contract or agreement that it may have with the State or any of its departments, commissions, boards, or agencies. Contractor further represents and warrants that it has not been a party to any contract with the State or any of its departments that was

terminated by the State within the previous 5 years for the reason that Contractor failed to perform or otherwise breached an obligation of the contract; and

(d) If any of the certifications, representations, or disclosures made in Contractor's Bid Response change after contract award, the Contractor is required to report those changes immediately to the Contract Administrator.

29.3 Software Representations and Warranties. Contractor further represents and warrants to the State that:

(a) Contractor is the legal and beneficial owner of the entire right, title and interest in and to the Software, including all Intellectual Property Rights relating thereto;

(b) Contractor has, and throughout the license term, will retain the unconditional and irrevocable right, power and authority to grant and perform the license hereunder;

(c) Contractor has, and throughout the Term and any additional periods during which Contractor does or is required to perform the Services will have, the unconditional and irrevocable right, power and authority, including all permits and licenses required, to provide the Services and grant and perform all rights and licenses granted or required to be granted by it under this Contract;

(d) the Software, and the State's use thereof, is and throughout the license term will be free and clear of all encumbrances, liens and security interests of any kind;

(e) neither its grant of the license, nor its performance under this Contract does or to its knowledge will at any time:

(i) conflict with or violate any applicable law;

(ii) require the consent, approval or authorization of any governmental or regulatory authority or other third party; or

(iii) require the provision of any payment or other consideration to any third party;

(f) when used by the State or any Authorized User in accordance with this Contract and the Documentation, the Software, the Hosted Services, if applicable, or Documentation as delivered or installed by Contractor does not or will not:

(i) infringe, misappropriate, or otherwise violate any Intellectual Property Right or other right of any third party; or

- (ii) fail to comply with any applicable law;
- (g) as provided by Contractor, the Software and Services do not and will not at any time during the Term contain any:
 - (i) Harmful Code; or
 - (ii) Third party or Open-Source Components that operate in such a way that it is developed or compiled with or linked to any third party or Open-Source Components, other than Third Party Components specifically described in a Statement of Work.
- (h) all Documentation is and will be complete and accurate in all material respects when provided to the State such that at no time during the license term will the Software have any material undocumented feature; and
- (i) Contractor will perform all Services in a timely, skillful, professional and workmanlike manner in accordance with commercially reasonable industry standards and practices for similar services, using personnel with the requisite skill, experience and qualifications, and will devote adequate resources to meet its obligations under this Contract.
- (j) when used in the Operating Environment (or any successor thereto) in accordance with the Documentation, all Software as provided by Contractor, will be fully operable, meet all applicable specifications, and function in all respects, in conformity with this Contract and the Documentation;
- (k) Contractor acknowledges that the State cannot indemnify any third parties, including but not limited to any third-party software providers that provide software that will be incorporated in or otherwise used in conjunction with the Services, and that notwithstanding anything to the contrary contained in any third-party software license agreement or end user license agreement, the State will not indemnify any third party software provider for any reason whatsoever;
- (l) no Maintenance Release or New Version, when properly installed in accordance with this Contract, will have a material adverse effect on the functionality or operability of the Software.
- (m) all Configurations or Customizations made during the Term will be forward-compatible with future Maintenance Releases or New Versions and be fully supported without additional costs.

(n) If Contractor Hosted:

(i) Contractor will not advertise through the Hosted Services (whether with adware, banners, buttons or other forms of online advertising) or link to external web sites that are not approved in writing by the State;

(ii) the Software and Services will in all material respects conform to and perform in accordance with the Specifications and all requirements of this Contract, including the Availability and Availability Requirement provisions set forth in the Service Level Agreement;

(iii) all Specifications are, and will be continually updated and maintained so that they continue to be, current, complete and accurate and so that they do and will continue to fully describe the Hosted Services in all material respects such that at no time during the Term or any additional periods during which Contractor does or is required to perform the Services will the Hosted Services have any material undocumented feature;

(o) During the Term of this Contract, any audit rights contained in any third-party software license agreement or end user license agreement for third-party software incorporated in or otherwise used in conjunction with the Software or with the Hosted Services, if applicable, will apply solely to Contractor or its Permitted Subcontractors. Regardless of anything to the contrary contained in any third-party software license agreement or end user license agreement, third-party software providers will have no audit rights whatsoever against State Systems or networks.

29.4 Disclaimer. EXCEPT FOR THE EXPRESS WARRANTIES SET FORTH IN THIS CONTRACT, CONTRACTOR HEREBY DISCLAIMS ALL WARRANTIES, WHETHER EXPRESS, IMPLIED, STATUTORY, OR OTHERWISE, WITH RESPECT TO THIS CONTRACT.

30. Conflicts and Ethics. Contractor will uphold high ethical standards and is prohibited from: (a) holding or acquiring an interest that would conflict with this Contract; (b) doing anything that creates an appearance of impropriety with respect to the award or performance of the Contract; (c) attempting to influence or appearing to influence any State employee by the direct or indirect offer of anything of value including an offer of employment; or (d) paying or agreeing to pay any person, other than employees and consultants working for Contractor, any consideration contingent upon the award of the Contract. Contractor must immediately notify the State of any violation or potential violation of these standards. This Section applies to Contractor, any parent, affiliate, or subsidiary organization of Contractor, and any Permitted Subcontractor that provides Deliverables in connection with this Contract.

31. Compliance with Laws. Contractor, its subcontractors, including Permitted Subcontractors, and their respective Representatives must comply with all laws in connection with this Contract.

32. Nondiscrimination. Under the Elliott-Larsen Civil Rights Act, 1976 PA 453, MCL 37.2101, *et seq.*, the Persons with Disabilities Civil Rights Act, 1976 PA 220, MCL 37.1101, *et seq.*, and Executive Directive [2019-09](#), Contractor and its subcontractors agree not to discriminate against an employee or applicant for employment with respect to hire, tenure, terms, conditions, or privileges of employment, or a matter directly or indirectly related to employment, because of race, color, religion, national origin, age, sex, height, weight, marital status, partisan considerations, any mental or physical disability, or genetic information that is unrelated to the person's ability to perform the duties of a particular job or position. Breach of this covenant is a material breach of the Contract.

33. Unfair Labor Practice. Under MCL 423.324, the State may void this Contract if the name of the Contractor, or the name of a subcontractor, manufacturer, or supplier of the Contractor, subsequently appears on the Unfair Labor Practice register compiled under MCL 423.322.

34. Governing Law. This Contract is governed, construed, and enforced in accordance with Michigan law, excluding choice-of-law principles, and all claims relating to or arising out of this Contract are governed by Michigan law, excluding choice-of-law principles. Any dispute arising from this Contract must be resolved in the Michigan Court of Claims. Contractor waives any objections, such as lack of personal jurisdiction or *forum non conveniens*. Contractor must appoint an agent in Michigan to receive service of process.

35. Non-Exclusivity. Nothing contained in this Contract is intended nor is to be construed as creating any requirements contract with Contractor, nor does it provide Contractor with a right of first refusal for any future work. This Contract does not restrict the State or its agencies from acquiring similar, equal, or like Services from other sources.

36. Force Majeure

36.1 Force Majeure Events. Neither party will be liable or responsible to the other party, or be deemed to have defaulted under or breached the Contract, for any failure or delay in fulfilling or performing any term hereof, when and to the extent such failure or delay is caused by: acts of God, flood, fire or explosion, war, terrorism, invasion, riot or other civil unrest, embargoes or blockades in effect on or after the date of the Contract, national or regional emergency, or any passage of law or governmental order, rule, regulation or direction, or any action taken by a governmental or public authority, including imposing an embargo, export or import restriction, quota or other

restriction or prohibition (each of the foregoing, a “**Force Majeure Event**”), in each case provided that: (a) such event is outside the reasonable control of the affected party; (b) the affected party gives prompt written notice to the other party, stating the period of time the occurrence is expected to continue; (c) the affected party uses diligent efforts to end the failure or delay and minimize the effects of such Force Majeure Event.

36.2 State Performance; Termination. In the event of a Force Majeure Event affecting Contractor’s performance under the Contract, the State may suspend its performance hereunder until such time as Contractor resumes performance. The State may terminate the Contract by written notice to Contractor if a Force Majeure Event affecting Contractor’s performance hereunder continues substantially uninterrupted for a period of 5 Business Days or more. Unless the State terminates the Contract pursuant to the preceding sentence, any date specifically designated for Contractor’s performance under the Contract will automatically be extended for a period up to the duration of the Force Majeure Event.

36.3 Exclusions; Non-suspended Obligations. Notwithstanding the foregoing or any other provisions of the Contract or this Schedule:

(a) in no event will any of the following be considered a Force Majeure Event:

(i) shutdowns, disruptions or malfunctions of Hosted Services or any of Contractor’s telecommunication or internet services other than as a result of general and widespread internet or telecommunications failures that are not limited to the Hosted Services; or

(ii) the delay or failure of any Contractor Personnel to perform any obligation of Contractor hereunder unless such delay or failure to perform is itself by reason of a Force Majeure Event.

(b) no Force Majeure Event modifies or excuses Contractor’s obligations under **Section 21** (State Data), **22** (Non-Disclosure of Confidential Information), or **17** (Indemnification) of the Contract, Disaster Recovery and Backup requirements set forth in the Service Level Agreement, Availability Requirement (if Contractor Hosted) defined in the Service Level Agreement, or any data retention or security requirements under the Contract.

37. Dispute Resolution. The parties will endeavor to resolve any Contract dispute in accordance with this provision. The dispute will be referred to the parties' respective Contract Administrators or Program Managers. Such referral must include a description of the issues and all supporting documentation. The parties must submit the dispute to a senior executive if unable to resolve the dispute within 15 business days. The parties will

continue performing while a dispute is being resolved, unless the dispute precludes performance. A dispute involving payment does not preclude performance. Litigation to resolve the dispute will not be instituted until after the dispute has been elevated to the parties' senior executive and either concludes that resolution is unlikely or fails to respond within 15 business days. The parties are not prohibited from instituting formal proceedings: (a) to avoid the expiration of statute of limitations period; (b) to preserve a superior position with respect to creditors; or (c) where a party makes a determination that a temporary restraining order or other injunctive relief is the only adequate remedy. This Section does not limit the State's right to terminate the Contract.

38. Media Releases. News releases (including promotional literature and commercial advertisements) pertaining to this Contract or project to which it relates must not be made without the prior written approval of the State, and then only in accordance with the explicit written instructions of the State.

39. Severability. If any part of this Contract is held invalid or unenforceable, by any court of competent jurisdiction, that part will be deemed deleted from this Contract and the severed part will be replaced by agreed upon language that achieves the same or similar objectives. The remaining Contract will continue in full force and effect.

40. Waiver. Failure to enforce any provision of this Contract will not constitute a waiver.

41. Survival. Any right, obligation, or condition that, by its express terms or nature and context is intended to survive, will survive the termination or expiration of this Contract; such rights, obligations, or conditions include, but are not limited to, those related to transition responsibilities; indemnification; disclaimer of damages and limitations of liability; State Data; non-disclosure of Confidential Information; representations and warranties; insurance and bankruptcy.

42. Administrative Fee and Reporting

Contractor must pay an administrative fee of 1% on all payments made to Contractor under the Contract including transactions with MiDEAL members, and other states (including governmental subdivisions and authorized entities). Administrative fee payments must be made online by check or credit card at:

<https://www.thepayplace.com/mi/dtmb/adminfee>

Contractor must submit an itemized purchasing activity report, which includes at a minimum, the name of the purchasing entity and the total dollar volume in sales. Reports should be mailed to MiDeal@michigan.gov.

The administrative fee and purchasing activity report are due within 30 calendar days from the last day of each calendar quarter.

43. Extended Purchasing Program. This contract is extended to MiDEAL members. MiDEAL members include local units of government, school districts, universities, community colleges, and nonprofit hospitals. A current list of MiDEAL members is available at www.michigan.gov/mideal.

Upon written agreement between the State and Contractor, this contract may also be extended to: (a) other states (including governmental subdivisions and authorized entities) and (b) State of Michigan employees.

If extended, Contractor must supply all Contract Activities at the established Contract prices and terms. The State reserves the right to impose an administrative fee and negotiate additional discounts based on any increased volume generated by such extensions.

Contractor must submit invoices to, and receive payment from, extended purchasing program members on a direct and individual basis.

44. Contract Modification. This Contract may not be amended or modified in any way, except by a properly signed **Change Notice**. Notwithstanding the foregoing, no subsequent Statement of Work or Change Notice executed after the Effective Date will be construed to amend this Contract unless it specifically states its intent to do so and cites the section or sections amended.

45. HIPAA Compliance. The State and Contractor must comply with all obligations under HIPAA and its accompanying regulations, including but not limited to entering into a business associate agreement, if reasonably necessary to keep the State and Contractor in compliance with HIPAA.

46. Accessibility Requirements.

46.1 All Software provided by Contractor under this Contract, including associated content and documentation, must at all times conform to the Digital Accessibility Standards. Throughout the Term of the Contract, Contractor must:

- (a) maintain compliance with the Digital Accessibility Standards;
- (b) comply with plans and timelines approved by the State to achieve conformance in the event of any deficiencies;
- (c) ensure that no Maintenance Release, New Version, update or patch, when properly installed in accordance with this Contract, will have any adverse effect on the conformance of Contractor's Software to the Digital Accessibility Standards;

- (d) promptly respond to and resolve any complaint the State receives regarding accessibility of Contractor's Software;
- (e) upon the State's written request, provide evidence of compliance with this Section by delivering to the State Contractor's most current PAT for each product provided under the Contract; and
- (f) participate in the State of Michigan Digital Standards Review described below.

46.2 State of Michigan Digital Standards Review. Throughout the Term, Contractor must assist the State, at no additional cost, with development, completion, and on-going maintenance of an accessibility plan, which requires Contractor, upon request from the State, to submit evidence to the State to review and validate Contractor's accessibility and compliance with the Digital Accessibility Standards. Prior to the Solution going-live a State of Michigan Digital Standards Review is required, and Contractor must remediate all accessibility issues identified in such review at no additional cost.

Additional State of Michigan Digital Standards Reviews may be required thereafter on an annual basis, or as otherwise required by the State. At no additional cost, Contractor must remediate all issues identified from any such review pursuant to plans and timelines that are approved in writing by the State.

46.3 Contractor must, without limiting Contractor's obligations of indemnification as further described in this Contract, indemnify, defend, and hold harmless the State for any and all claims, including reasonable attorneys' fees, costs, and incidental expenses, which may be suffered by, accrued against, charged to, or recoverable from the State arising out of its failure to comply with the foregoing accessibility standards

46.4 Failure to comply with the requirements in this **Section 47** shall constitute a material breach of this Contract.

47. Further Assurances. Each party will, upon the reasonable request of the other party, execute such documents and perform such acts as may be necessary to give full effect to the terms of this Contract.

48. Relationship of the Parties. The relationship between the parties is that of independent contractors. Contractor, its employees, and agents will not be considered employees of the State. No partnership or joint venture relationship is created by virtue of this Contract. Contractor, and not the State, is responsible for the payment of wages, benefits and taxes of Contractor's employees and any subcontractors. Prior performance

does not modify Contractor's status as an independent contractor. Neither party has authority to contract for nor bind the other party in any manner whatsoever.

49. Headings. The headings in this Contract are for reference only and do not affect the interpretation of this Contract.

50. No Third-party Beneficiaries. This Contract is for the sole benefit of the parties and their respective successors and permitted assigns. Nothing herein, express or implied, is intended to or will confer on any other person or entity any legal or equitable right, benefit or remedy of any nature whatsoever under or by reason of this Contract.

51. Equitable Relief. Each party to this Contract acknowledges and agrees that (a) a breach or threatened breach by such party of any of its obligations under this Contract may give rise to irreparable harm to the other party for which monetary damages would not be an adequate remedy and (b) in the event of a breach or a threatened breach by such party of any such obligations, the other party hereto is, in addition to any and all other rights and remedies that may be available to such party at law, at equity or otherwise in respect of such breach, entitled to equitable relief, including a temporary restraining order, an injunction, specific performance and any other relief that may be available from a court of competent jurisdiction, without any requirement to post a bond or other security, and without any requirement to prove actual damages or that monetary damages will not afford an adequate remedy. Each party to this Contract agrees that such party will not oppose or otherwise challenge the appropriateness of equitable relief or the entry by a court of competent jurisdiction of an order granting equitable relief, in either case, consistent with the terms of this Section.

52. Effect of Contractor Bankruptcy. All rights and licenses granted by Contractor under this Contract are and will be deemed to be rights and licenses to "intellectual property," and all Deliverables are and will be deemed to be "embodiments" of "intellectual property," for purposes of, and as such terms are used in and interpreted under, Section 365(n) of the United States Bankruptcy Code (the "**Code**"). If Contractor or its estate becomes subject to any bankruptcy or similar proceeding, the State retains and has the right to fully exercise all rights, licenses, elections, and protections under this Contract, the Code and all other applicable bankruptcy, insolvency, and similar laws with respect to all Deliverables. Without limiting the generality of the foregoing, Contractor acknowledges and agrees that, if Contractor or its estate will become subject to any bankruptcy or similar proceeding:

(a) all rights and licenses granted to the State under this Contract will continue subject to the terms and conditions of this Contract, and will not be affected, even by Contractor's rejection of this Contract; and

(b) the State will be entitled to a complete duplicate of (or complete access to, as appropriate) all such intellectual property and embodiments of intellectual property comprising or relating to any Deliverables, and the same, if not already in the State's possession, will be promptly delivered to the State, unless Contractor elects to and does in fact continue to perform all of its obligations under this Contract.

53. Schedules. All Schedules that are referenced herein and attached hereto are hereby incorporated by reference. The following Schedules are attached hereto and incorporated herein:

Schedule A	Statement of Work
Schedule B	Pricing Schedule
Schedule C	Insurance Schedule
Schedule D	Service Level Agreement
Schedule E	Data Security Requirements
Schedule F	Disaster Recovery Plan (if Contractor Hosted)
Schedule G	Transition Plan
Schedule H	Federal Provision Addendum (if applicable)

54. Counterparts. This Contract may be executed in counterparts, each of which will be deemed an original, but all of which together are deemed to be one and the same agreement and will become effective and binding upon the parties as of the Effective Date at such time as all the signatories hereto have signed a counterpart of this Contract. A signed copy of this Contract delivered by facsimile, e-mail or other means of electronic transmission (to which a signed copy is attached) is deemed to have the same legal effect as delivery of an original signed copy of this Contract.

55. Entire Agreement. These Terms and Conditions, including all Statements of Work and other Schedules and Exhibits (again collectively the "Contract") constitutes the sole and entire agreement of the parties to this Contract with respect to the subject matter contained herein, and supersedes all prior and contemporaneous understandings and agreements, representations and warranties, both written and oral, with respect to such subject matter. In the event of any inconsistency between the statements made in the Terms and Conditions, the Schedules, Exhibits, and a Statement of Work, the following order of precedence governs: (a) first, these Terms and Conditions; and (b) second, Schedule E – Data Security Requirements; and (c) third, each Statement of Work; and (e)

fourth, the remaining Exhibits and Schedules to this Contract. NO TERMS ON CONTRACTOR'S INVOICES, WEBSITE, BROWSE-WRAP, SHRINK-WRAP, CLICK-WRAP, CLICK-THROUGH OR OTHER NON-NEGOTIATED TERMS AND CONDITIONS PROVIDED WITH ANY OF THE SERVICES, OR DOCUMENTATION HEREUNDER, EVEN IF ATTACHED TO STATE'S DELIVERY OR PURCHASE ORDER, WILL CONSTITUTE A PART OR AMENDMENT OF THIS CONTRACT OR IS BINDING ON THE STATE OR ANY AUTHORIZED USER FOR ANY PURPOSE. ALL SUCH OTHER TERMS AND CONDITIONS HAVE NO FORCE AND EFFECT AND ARE DEEMED REJECTED BY THE STATE AND THE AUTHORIZED USER, EVEN IF ACCESS TO OR USE OF SUCH SERVICE OR DOCUMENTATION REQUIRES AFFIRMATIVE ACCEPTANCE OF SUCH TERMS AND CONDITIONS.

SCHEDULE A – STATEMENT OF WORK

1. DEFINITIONS

The following terms have the meanings set forth below. All initial capitalized terms that are not defined in this Schedule shall have the respective meanings given to them in Section 1 of the Contract Terms and Conditions.

Term	Definition
ACA	Affordable Care Act
ACO	Accountable Care Organization
AHBE	American Health Benefits Exchange
AMP	Adult Medical Program - a.k.a. Adult Benefits Waiver (ABW)
AHI	Annual Household Income & Family Size
APTC	Advance Payment of the Premium Tax Credit
AV	Actuarial Value
BHP	Basic Health Plan
BSD	Business Service Definition
CCO	Coordinated Care Organization
CFR	Code of Federal Regulations
CHAMPS	Community Health Automated Medicaid Processing System
CHIP	Children's Health Insurance Program
CHIPRA	Children's Health Insurance Program Reauthorization Act
CHRT	Center for Healthcare Research & Transformation
CMH	Community Mental Health
CMS	Centers for Medicare & Medicaid Services
COP	Continuity of Operations Plan - a.k.a.
COOP	CO-OP Consumer Operation and Oriented Plan (health insurance)
COTS	Commercial off-the-shelf
CRM	Customer Relationship Management
DCH	Department of Community Health
DEG	Data Exchange Gateway – from DTMB RFS support documents
DHHS	Department of Health and Human Services (Federal)
DIFS	Department of Insurance and Financial Services (Michigan)
DOL	U.S. Department of Labor
DOS	Denial of Service
DSH	Data Service Hub
EBS	Enrollment Broker Services
EHB	Essential Health Benefits
HER	Electronic Health Record

Term	Definition
EMR	Electronic Medical Record
EPHI	Electronic Protected Health Information
EPSDT	Early Periodic Screening, Diagnosis and Treatment
ERRP	Early Retiree Reinsurance Program
ERIS	Employee Retirement Income Security Act (29 U.S.C. section 1001, et seq.)
ESI	Employer Sponsored Insurance
ESO	Emergency Services Only (Medicaid)
EVVE	Electronic Verification of Vital Events
FDA	U.S. Food and Drug Administration
FDSH	Federal Data Service Hub
FEDVIP	Federal Employees Dental and Vision Insurance Program
FEHBP	Federal Employees Health Benefits Program
FFE	Federally Facilitated Exchange
FFM	Federally Facilitated Marketplace
FFP	Federal Financial Participation
FFS	Fee For Service
FIPS	Federal Information Processing Standard
FISMA	Federal Information Security Management Act
FMAP	Federal Medicaid Assistance Percentage
FPE	Federal Partnership Exchange
FPL	Federal Poverty Level
FSA	Flexible Spending Arrangement
FTE	Full-Time Equivalent
FTI	Federal Tax Information
HCBS	Home and Community Based Services
HCPCS	Healthcare Common Procedure Coding System
HCDP	Health Care Delivery Program
HEDIS	Healthcare Effectiveness Data and Information Set
HHS	U.S. Department of Health and Human Services
HIE	Health Information Exchange
HIOS	Health Insurance Oversight System
HIPPA	Health Insurance Portability and Accountability Act of 1996
HIX	Health Insurance Exchange
HMO	Health Maintenance Organization
HRA	Health Reimbursement Arrangement
HSA	Health Savings Account
HSW	Health Safety Waiver
IAP	Insurance Affordability Program
ICR	Information Collection Requirements
IRC	Internal Revenue Code

Term	Definition
IRS	Internal Revenue Service
LARA	Licensing and Regulatory Affairs (Michigan)
LOCD	Level of Care Determination
LPR	Lawful Permanent Residence
MAGI	Modified Adjusted Gross Income
MARS-E	Minimal Acceptable Standards for Exchanges
MCO	Managed Care Organization
MEC	Minimal Essential Coverage (Federal)
MEC	Medicaid Eligibility Check (Michigan)
MEE	Medicaid Eligibility and Enrollment
MEWA	Multiple Employer Welfare Arrangement
MCP	Medicaid Compliance Program
MiLEAP	Lifelong Education, Advancement, and Potential
MMIS	Medicaid Management Information Systems
MOMS	Maternity Outpatient Medical Services
MOOP	Maximum Out-Of-Pocket
MPHI	Michigan Public Health Institute
MSA	Medical Services Administration (DCH)
MSIS	Medicaid Statistical Information System (CMS)
MV	Minimum Value
NAIC	National Association of Insurance Commissioners
Non-ESI	Non-Employer Sponsored Insurance
OMB	Office of Management and Budget
OPA	Office of Population Affairs
OPM	U.S. Office of Personnel Management
OPUS	DTMB – Correspondence generating service
PARIS	Public Assistance Reporting Information System (Federal/Centralized)
PCCM	Primary Care Case Management
PCP	Primary Care Physician
PHS	Public Health Service
PHS Act	Public Health Service Act
PHI	Protected Health Information
PHI	Public Health Institute
PIA	Privacy Impact Assessment
PII	Personally Identifiable Information
PPRS	Post Payment Recovery System
PPACA	Patient Protection and Affordable Care Act
PRA	Paperwork Reduction Act
PTC	Premium Tax Credit (as defined in section 1401 of the ACA.
QHP	Qualified Health Plan

Term	Definition
QWM	Quarterly Wage Match
RCO	Regional Care Organization
SACWIS	Statewide Automated Child Welfare Information System
SAAS	Software as a Service
SBA	State-Based Marketplace
SBC	Summary of Benefit and Coverage
SBE	State Based Exchange
SHOP	Small Business Health Options Program
SLAPP	Streamlined Application (Michigan DHS)
SLCSP	Second Lowest Cost Silver Plan
Solution	Deliverables (including but not limited to Software, and Documentation) and Services (including but not limited to Hosting Services, Support Services), singularly or in any combination thereof as set forth in a Statement of Work intended to address the State's needs.
SOM	State of Michigan
SPA	State Plan Amendment – to State's Medicaid program
SSA	Social Security Administration
TDS	Trusted Data Source
The Act	Social Security Act
The Code	Internal Revenue Code of 1986
USP	United States Pharmacopeia
VLP	Verify Lawful Presence
Verify Non-ESI	Verify Non-Employer Sponsored Insurance Minimal Essential Coverage
WMB	Web Sphere Message Broker

2. BACKGROUND

The Michigan Care Improvement Registry (MCIR) was created in 1998 to collect reliable immunization information for children and make it accessible to authorized users. A 2006 change to the Michigan Public Health Code enabled the MCIR to transition from a childhood immunization registry to a lifespan registry including citizens of all ages in the MCIR. MCIR benefits health care organizations, schools, licensed childcare programs, pharmacies, and Michigan's citizens by consolidating immunization information from multiple providers into a comprehensive immunization record. This consolidation reduces

vaccine-preventable diseases and over-vaccination, allowing providers to view up-to-date patient immunization history in one system.

3. PURPOSE

The State is contracting for a Software As A Service (SAAS), Software Solution and applicable Services. The State will also be contracting for ongoing Maintenance, Support and Enhancements of the Solution through the term of the agreement. The Data Classification for the Solution is: Moderate

The system contains health related information for individuals, including immunization records.

Business Goals:

- a. Acquire an IIS that supports the functional needs of MCIR users and meets the CDC IIS Functional Standards.
- b. Increase public access to immunization records and care improvement.
- c. Provide an immunization IT tool with improved end-user usability to better support their work and improving the State's ability to support, maintain, and enhance the system to meet future needs.
- d. Improved data quality and state of Michigan access to public health data stored within the IIS.
- e. MDHHS Key Strategies in FY2023-FY2027 Strategic Plan that may be carried out in this project:
 - Strengthen local public health infrastructure and integration with state-wide responses.
 - Identify gaps in local and state public health response to develop mitigation strategies.
 - Assess short and long-term budgetary consequences of COVID-19 and its community-level impact.
 - Provide support to increase the capacity of our agency and our community partners to advance racial equity diversity and inclusion.
 - Strengthen collaboration between health and human services programs to better link citizens to lead services.
 - Direct specific discretionary funds towards programs that demonstrate evidence, ROI, and align with strategic priorities.
 - Develop robust performance management tools and processes across all administrations.

4. IT ENVIRONMENT RESPONSIBILITIES

For a Contractor Hosted Software Solution:

Definitions:

Facilities – Physical buildings containing Infrastructure and supporting services, including physical access security, power connectivity and generators, HVAC systems, communications connectivity access and safety systems such as fire suppression.

Infrastructure – Hardware, firmware, software, and networks, provided to develop, test, deliver, monitor, manage, and support IT services which are not included under Platform and Application.

Platform – Computing server software components including operating system (OS), middleware (e.g., Java runtime, .NET runtime, integration, etc.), database and other services to host applications.

Application – Software programs which provide functionality for end user and Contractor services.

Storage – Physical data storage devices, usually implemented using virtual partitioning, which store software and data for IT system operations.

Backup – Storage and services that provide online and offline redundant copies of software and data.

Development - Process of creating, testing and maintaining software components.

Component Matrix	Name all contractor(s) and/or subcontractor(s) providing each contract component
Facilities	STChealth
Infrastructure	STChealth
Platform	STChealth
Application	STChealth & Sky Solutions (for Sickie Cell Case Management option)
Storage	STChealth
Backup	STChealth
Development	STChealth

Contractor will support all product components. All Cloud solutions are operated under Amazon Web Services. Contractor holds a SOC2 Type II Attestation.

Contractor is responsible for all elements of the offering including DevSecOps, support, and development.

5. ADA COMPLIANCE

The State is required to comply with the Americans with Disabilities Act of 1990 (ADA) and has adopted standards and procedures regarding accessibility requirements for websites and software applications. All websites, applications, software, and associated content and documentation provided by the Contractor as part of the Solution must comply with the Digital Accessibility Standards.

Contractor will comply with ADA requirement.

6. USER TYPE AND CAPACITY

Contractor Solution must meet the expected number of concurrent Users below:

Type of User	Access Type	Number of Users	Number of Concurrent Users
Public Citizen	Read/Write (for their own record only)	150,000	2000 per week
State Employee	Read/Write	200	160
State Admin	Super User	10	10
MiLogin for Business (Providers and Healthcare users)	Read/Write	39,313	750 Note: September/October are high use period. MCIR system may increase the concurrent users to accommodate schools

Contractor Solution will meet the expected number of concurrent Users.

7. ACCESS CONTROL AND AUTHENTICATION

The Contractor's solution must implement identity federation with the State's MiLogin IT Identity and Access Management (IAM) environment as described in the State of Michigan Administrative Guide ([1340.00.020.08 Enterprise Identity and Access Management Services Standard \(michigan.gov\)](https://www.michigan.gov/1340.00.020.08)).

To support federation with the SOM MILogin solution, the Contractor's solution must support SAML, OpenID or OAuth federated identity protocols.

Solutions running within the States internally managed IT environment may be suitable for integration with the State's Active Directory services as identified in the 1340.00.020.08 standard.

Contractor Solution STC|ONE® will comply with the requirement.

8. DATA RETENTION AND REMOVAL

The Solution allows the State to retain all data for the entire length of the Contract.

The Solution allows the State to delete data, even data that may be stored off-line or in backups.

The Solution allows the State to retrieve data, even data that may be stored off-line or in backups.

Contractor Solution STC|ONE® will meet all data retention, removal, and retrieval requirements. System data is retained within the application and backup files for disaster recovery. All data, as outlined, will remain for the entire length of the Contract.

9. END USER AND IT OPERATING ENVIRONMENT

The SOM IT environment includes currently supported versions of X86 VMware, IBM Power VM, MS Azure/Hyper-V and Oracle VM, with supporting platforms, enterprise storage, monitoring, and management running in house and in cloud hosting provides.

Contractor must accommodate the latest browser versions (including mobile browsers) as well as some pre-existing browsers. To ensure that users with older browsers are still able to access online services, applications must, at a minimum, display and function correctly in standards-compliant browsers and the state standard browser without the use of special plug-ins or extensions. The rules used to base the minimum browser requirements include:

- Over 2% of desktop and mobile & tablet site traffic, measured using Michigan.gov sessions statistics and
- The current browser identified and approved as the State of Michigan standard

This information can be found at <https://www.michigan.gov/browserstats>. Please use the most recent calendar quarter to determine browser statistics. Support is required for those desktop and mobile & tablet browsers identified as having over 2% of site traffic.

Contractor must support the current and future State standard environment at no additional cost to the State.

STC|ONE® is designed for easy accessibility and is fully managed by STChealth. STC|ONE® is accessible from any device with an internet connection and web browser. The STC|ONE® recommended browser is Chrome, however the application supports the latest release of all browsers such as Chrome, Firefox, Safari, and Edge.

Contractor will not require access to State systems unless required for data migration to fulfill the obligations to ensure STC|ONE® is delivered as an all-in-one SaaS solution.

Contractor is responsible for the installation, management, updates, and patching of the software. Contractor complies with requirements within this SaaS framework.

Contractor will maintain continuous communication to ensure that any changes to software and general architecture are known in advance and their impact is well understood. Contractor uses Client Hub which maintains all Consortium Communication such as Release notes and technical information for the Current Platform.

The State will be included in conversations prior to changes occurring and will be notified via email of any upcoming changes. In addition to written documentation, requirement discussions, demos, and feedback sessions happen regularly to ensure real time communication.

The Contractor will maintain a structured change management process to ensure the State is well informed and included in important changes that impact the solution. The State can either opt-in to receive automatic application upgrades or submit a service request to upgrade during their designated maintenance window. In addition, the State will have access to a TEST environment to review and test new functionality.

Process for new features and functionality:

- The IIS Program and Contractor will jointly identify enhancements to be developed and Contractor will provide written communication and estimates for the effort and

work with the Client and Consortium regarding the feasibility and timing for implementing the new features.

- Contractor will provide an updated annual IIS development/release roadmap with a mid-year update of progress and any roadmap changes.
- Contractor will work with the Immunization Program to gather and document the requirements for enhancement requests.
- Contractor will review, verify, and validate change order requests from the Client Program on an ongoing basis. The Contractor will provide feedback, schedule, and cost estimates on each submitted change request within 45 days of the submission of the change request.
- Contractor will share new prototypes with the Immunization Program and the Consortium during the design and development process for end user feedback.

Virtual, monthly Consortium Leadership calls bring together State leadership to discuss topics relevant to the IIS and public health, make Consortium-level decisions, and receive information about system version releases, upgrades, and enhancements. Mission-specific workgroups exist to focus on operational solutions around activities such as training and onboarding.

10. SOFTWARE

Software requirements are identified in **Schedule A – Table 1 Business Specification Worksheet**.

Contractor must provide a list of any third party components, and open source component included with or used in connection with the deliverables defined within this Contract. This information must be provided to the State on a quarterly basis and/or if a new third party or open source component is used in the performance of this Contract.

Look and Feel Standards

All software items provided by the Contractor must adhere to the State of Michigan Application/Site standards which can be found at <https://www.michigan.gov/standards>.

Mobile Responsiveness

If the software will be used on a mobile device as define in Schedule A – Table 1, Business Specification Worksheet, the Software must utilize responsive design practices to ensure the application is accessible via a mobile device.

SOM IT Environment Access

Contractor must access State environments using one or more of the following methods:

- State provided VDI (Virtual Desktop Infrastructure) were compliant.
- State provided and managed workstation device.
- Contractor owned and managed workstation maintained to all State policies and standards.
- Contractor required interface with State systems which must be maintained in compliance with State policies and standards as set forth in **Schedule E – Data Security Requirements**.
- From locations within the United States and jurisdictional territories.

SaaS Solution Overview & Approach to Meet MCIR Requirements

Contractor is offering MDHHS the STC|ONE® Public Health IIS Essentials Package, which includes STC|ONE® Registry, STC|ONE® Inventory Management, STC|ONE® Data Exchange, STC|ONE® Reporting and STC|ONE® Consumer Access.

To ensure all MDHHS's needs are met, Contractor also included the following additional modules:

- | | |
|----------------------------|---------------------------------|
| • Mass Immunizations | • Lead |
| • Newborn Screening Module | • Enhanced Documentation Center |
| • School Nurse | • Optional Sickle Cell Case |
| • Hepatitis B | Management Solution |
| • Oral Health | |

STC|ONE® meets the level of functionality, flexibility and performance required to support Michigan's scale and complexity and will add comprehensive value to the next iteration of MCIR.

Contractor will provide the applications listed on the right as a part of their STC|ONE® Platform and ensure that the platform can maintain data exchange with the current and future outside systems.

Functionality Overview of the STC|ONE® Platform

STC|ONE® IIS Essentials Package

The STC|ONE® Public Health IIS Essentials Package includes the following functionalities:



STC|ONE® Registry

The STC|ONE® Registry provides immunization resource management and administration tools to track patients and population demographics, as well as provide vaccination information with the ability to generate reports to monitor coverage rates and manage the population. CDSi forecasting is incorporated throughout the system to ensure accurate patient forecasting and coverage rate information. Additionally, patient observations, contraindications, serological results, and exemptions can be tracked in the system providing for a comprehensive approach to patient forecasting. The person/patient deduplication algorithm also serves to ensure that accurate information is tied to the appropriate record. Our algorithm has been tested and proven over years of successful operation, yet we continuously look to improve by incorporating the latest technologies.

STC|ONE® Inventory Management

STC|ONE® Inventory Management allows for streamlined management of vaccine supplies (both public and private) for both manual entry and electronic health record (EHR) connected providers; and provides a convenient way to handle orders, transfers, returns, and wastage directly from within the IIS. It is compliant with CDC's Vaccine Tracking System (VTrckS) standards. It provides an added benefit of having the ability to manage refrigerator and freezer temperature with manual entry and temperature log uploads.

STC|ONE® Data Exchange

STChealth has been leading the industry with timely data exchange as it is our mission to ensure that each key stakeholder within the vaccines ecosystem has the information they need when it is needed to help ensure high protection rates across the community.

STC|ONE® Consumer

STC|ONE® Consumer is a direct consumer access application to patients' immunization records. MyIR® is a standalone consumer driven application with a direct query connection to the IIS, providing the most updated immunization information to the consumer and their affiliated minors. The application also displays the vaccine forecast based on the ACIP recommendations and CDSi test case compliance. A standard PDF of their immunization record can be printed for back-to-school enrollment, employment vaccine verification, daycare enrollment, summer camp forms, and others. A state specific certificate can also be integrated within the application as well. Caregivers can only access immunization records for dependents under 18 years of age.

STC|ONE® Reporting

The STC|ONE® IIS Essentials Package contains an exceptionally robust reports library to view data, statuses, and message transaction information. As part of our ongoing modernization effort, STChealth is continuously adding flexibility to our system for end users, especially at the MDHHS level, to be able to leverage data and report on it in self-determined and customizable formats. Reports include iCAT and IQIP functionality.

[Approach to Additional and Optional Modules and New Functionality](#)

Current Available Modules:

The Contractor is including the following additional optional modules as part of their solution to meet the robust MCIR needs. Most of these modules are already in production and may require a few enhancements.



Solution overview based on current
MCiR diagrams and requirements

Additional STC|ONE® Modules Available for MCiR



Newborn Screening Module

The STC|ONE® Serology module offers a variety of features and functionality that meet many of the Newborn Screening Requirements. The feature enhancements would be to make the application more robust by developing a complete Newborn Screening Module to meet the needs of Michigan, and these enhancements are included as a part of our cost proposal. We also outline the current functionality included within the STC|ONE® Essentials package in the event this functionality will meet the needs of MCIR without the cost of additional customizations.

Sickle Cell Case Management

Sickle Cell functionality will be available through STC|ONE® Serology module described above. Contractor will add additional logging capabilities as a part of the Newborn Screening capabilities described above as well. If more robust functionality is required, Contractor has partnered with Sky Solutions to provide a robust case management solution see Schedule B – Pricing section Optional Items and Pricing.

Schools, Childcare, & Migrant Program

The School Nurse workflow is designed to support school and childcare staff in obtaining immunization information for enrolled students to meet immunization requirements for school attendance. Authorized users can easily search for students and review their immunization status. During implementation schools will be uploaded into the system. A student roster can then be uploaded which will assign students to their designated schools.

Advanced Data Analytics

STChealth's team of data scientists provide a variety of services to meet the unique needs of any jurisdiction. STChealth Analytics offers a variety of subscription packages for automated analytics content for STC|ONE® customers. Additional advanced services are available that include translative epidemiologic analyses, machine learning-based modeling, Data Quality Analyses and Cross-sector research and development.

Hep B

The Hep B Module is a case management tool used to identify and track Hepatitis B positive pregnant women and their infants to ensure that their infants receive the necessary post-exposure follow-up to protect them from Hepatitis B. The module helps states monitor and support Hep B-positive pregnant women before birth and their infants, post-birth, through vaccine queries of the IIS and notifications regarding vaccine needs that are identified.

Oral Health

The **Oral Health** module fulfills the CDC requirements for public schools receiving funding from the Department of Education to document dental health information. This module can be added to STC|ONE® IIS to provide health departments with a centralized location for capturing dental health information alongside childhood immunization data.

Lead Screening

The STC|ONE® Lead Module allows jurisdictions to incorporate lead screening activities and results into the IIS to enable healthcare providers to administer more comprehensive care. Authorized users may complete a lead screening questionnaire directly within the IIS, manually enter lead results or upload files into the Lead Module. Storing lead information in the IIS ensures that results and screenings become part of the official immunization record and are therefore accessible by authorized users when a patient is searched.

Enhanced Documentation Center

The Document Center- STC|ONE® has a robust and widely utilized document center, the feature enhancements to our current application would be for any additional requirements that Michigan may have to have additional flexibility in storing documents under different user access levels. These additional enhancements are included in the cost proposal.

New functionality approach based on additional requirements in the Table 1 Business Specification Worksheet

Additional items marked as required customization in the Table 1 Business Specification Worksheet that are not included in the above section's description are also included as a part of the cost proposal as a complete bucket. Per the enhancement process Contractor will work with MDHHS to incorporate these changes if required upon full review using the product enhancement workflow:

Process for new features and functionality:

- The IIS Program and Contractor will jointly identify enhancements to be developed and Contractor will provide written communication and estimates for the effort and work with State and Consortium regarding the feasibility and timing for implementing the new features.
- Contractor will provide an updated IIS development/release roadmap yearly with a mid-year progress update and any roadmap changes.
- Contractor will work in conjunction with the Immunization Program to gather and document the requirements for enhancement requests.
- Contractor will review, verify, and validate change order requests from the State Program on an ongoing basis. The State will provide feedback, schedule, and cost estimates on each submitted change request within 45 days of the submission of the change request.
- Contractor will share new prototypes with the Immunization Program and the Consortium during the design and development process for end user feedback.
- Contractor will provide end-user minimal specifications for software required to interact with the STC|ONE® Platform.

SaaS Modern Architecture Approach

The applications of the STC|ONE® platform are comprised of more traditional components. Contractor will leverage an Apache Tomcat application server for current registry and some data exchange items that share the Oracle 19c Database within the Database layer.

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Apache Struts 2 is an MVC-based framework used for developing enterprise Java web applications. MVC is a pattern in software design commonly used to implement user interfaces, data, and controlling logic. It emphasizes a separation between the software's business logic and display. In the STC|ONE® Registry architecture model, Java Server Pages (JSPs) is the User Interface and acts as the View layer.

STC|ONE® uses a variety of database technologies to ensure the secure storage of data, including but not limited to Oracle, PostgreSQL, various NoSQL technologies (i.e., MongoDB), some of which apply to modernized products. Various web services, ETL technologies and traditional batch technologies are also leveraged throughout the Applications, depending on scope and need.

Cloud Architecture

The current infrastructure is offered in AWS & Azure commercial. All new releases will be released in AWS & Azure Government. The solution can be configured for both offering styles.

STC|ONE® is a SAAS solution and does not require any unique software to meet the requirements of the contract.

Third-party components, including open-source components included with or used in connection with Solution:

- AWS Infrastructure for hosting
- Java 11
- Java Servlets\Java Server pages
- Struts 2.x
- Apache Tomcat 9.x
- Oracle 12c
- Javascript/NodeJS
- GraphQL
- C#
- Kubernetes
- MongoDB
- Kafka

STC|ONE® can be accessed from all mobile devices, tablets, or larger devices.

STC|ONE® is mobile enabled. All consumer-facing features are enabled for mobile phones, and all platform components can work on mobile devices including tablets, and new workflows are designed to be tablet responsive.

Contractor will follow their SDLC process, which follows a modern Agile approach as a SaaS solution, and includes the following process:

Contractor uses a Consortium model since 2003 as part of our Human Centered Design approach. The Consortium is a partnership between Contractor and its clients (who use a common IIS software platform and tools) who come together to share ideas, leverage funding, and work together to meet the goals of the IIS Strategic Plan and other State and Federal initiatives. The Consortium plays a key role in HCD phases, including Clarify, Ideate, and Implementation. The Consortium creates workgroups where Contractor can assess end-user and stakeholder needs and is heavily involved in requirements gathering and user testing for new functionality. Placing our clients at the center of why we build software means consistent feedback throughout the client journey which is essential to success

The Contractor development team follows an Agile sprint lifecycle to drive the predictability of delivery. This includes regular demos with key stakeholders regarding changes for rapid feedback. Contractor also applies best practice UX/UI as part of our modern development and design practices. After Ideation and Development conclude, the workgroup is brought back together for new functionality demos to ensure any development meets the needs of the Consortium and the end-user.

11. INTEGRATION

Contractor will integrate their solution to the following technologies:

Current Technology	Volume of Data	Format of the input & export files	Contractor must review and explain how the Solution will integrate to each system. Contractor Response:
MILogin – Identity management service used for identifying, authenticating, and	189,513	SAML/OAuth/OIDC	Integration to any OAuth 2.0 or SAML directory source is available and in compliance with NIST 800-63.

Current Technology	Volume of Data	Format of the input & export files	Contractor must review and explain how the Solution will integrate to each system. Contractor Response:
authorizing individuals or groups of individuals to access applications, systems, or IT environments. Federated authentication via SAML, OAuth, or OIDC.			
Newborn Screening - NBS/MCIR IIS Web Service (EHDI results display to MCIR)		Web Services	STC ONE® can continue to integrate with this technology solution through web services using a variety of message formats including HL7 2.5.1. Other capabilities can also be explored to enhance interoperability.
Newborn Screening - NBS/MCIR IIS Web Service (Display Test Results to MCIR)		Web Services	STC ONE® can continue to integrate with this technology solution through web services using a variety of message formats including HL7 2.5.1. Other capabilities can also be explored to enhance interoperability.
Newborn Screening - JDBC direct to database (Hearing card data to populate EHDI module)	2,000 – 4,000 records per day 10,00,000 bytes in size.	Direct database connection	STC ONE® can integrate with this technology solution using web services, HL7 messaging, API, or flat file.

Current Technology	Volume of Data	Format of the input & export files	Contractor must review and explain how the Solution will integrate to each system. Contractor Response:
Newborn Screening – HTTPS (Sickle Cell Test results imported into MCIR)		NBS user initiated through MCIR application	Test results can continue to be manually entered by users or they can be imported into STC ONE® through use of the Data Translation Tool (DTT).
MIWIC - MCIR Patient web service	1,000 bytes per day	Web Services	STC ONE® can continue to integrate with this technology solution through web services using HL7. Other capabilities can also be explored to enhance interoperability.
MIWIC - File Transfer (FTS)	2,10,000 records for week 7,50,00,000 bytes in size.	Batch Process	STC ONE® can continue to integrate with this technology solution using a manual or automated batch process. Additional methods for data exchange can also be explored.
Medicaid/CHAMPS - File Transfer (FTS)	11,50,000 records for a month 20,00,00,000 bytes in size	Batch Process	STC ONE® can continue to integrate with this technology solution using a manual or automated batch process. Additional methods for data exchange can also be explored.
Medicaid/Teradata - JDBC direct to database	50,000 – 100,000 per day 500 bytes in size.	Direct database connection	STC ONE® can integrate with this technology solution using web services, HL7 messaging, API, or flat file.
Medicaid C360		Patient Service	STC ONE® Data Exchange supports HL7 inbound query requests for patient immunization history. Both HL7 versions, 2.3.1 and 2.5.1, are supported.

Current Technology	Volume of Data	Format of the input & export files	Contractor must review and explain how the Solution will integrate to each system. Contractor Response:
VERA - JDBC direct to database (Vital Records/Birth Data)	450 records per day 2,000 bytes in size	Direct database connection	STC ONE® can integrate with this technology solution using web services, HL7 messaging, API, or flat file.
MDSS - MCIR Web Service	100 records per day 1000 bytes in size	MCIR Patient web service	STC ONE® can continue to integrate with this technology solution through web services using HL7. Other capabilities can also be explored to enhance interoperability.
MISACWIS - MCIR Web Service	300 records per day 1000 bytes in size	MCIR Patient web service	STC ONE® can continue to integrate with this technology solution through web services using HL7. Other capabilities can also be explored to enhance interoperability.
Health Svcs ESB - MCIR Web Service (My Health Portal/My Health Button(Citizen Portal))		MCIR Patient web service	STC ONE® can continue to integrate with this technology solution through web services using HL7. Other capabilities can also be explored to enhance interoperability.
Health Svcs ESB - MCIR Web Service (MCIR imms data response to QBP messages)	300,000 records per day 1000 bytes in size	Web Services	STC ONE® can continue to integrate with this technology solution through web services using HL7. Other capabilities can also be explored to enhance interoperability.
Health Svcs ESB - MCIR Web Service (MCIR imms data sent to IZGW partners)	300 – 1000 records 1500 bytes in size	Web Services	STC ONE® can continue to integrate with this technology solution through web services using HL7. Other capabilities can also

Current Technology	Volume of Data	Format of the input & export files	Contractor must review and explain how the Solution will integrate to each system. Contractor Response:
			be explored to enhance interoperability.
Health Svcs ESB – MLLP (Imms info set to MCIR from Provider EHRs)	20,000-50,000 records per day 1500 bytes in size	MLLP	STC ONE® can continue to integrate with this technology solution using MLLP. Other capabilities can also be explored to enhance interoperability.
EDRS - MCIR/EDRS Web Services	500 records per day	Web Services	STC ONE® can continue to integrate with this technology solution through web services. Other capabilities can also be explored to enhance interoperability.
Data Warehouse		Get Imms data from MCIR nightly using a direct to database methodology (via Teradata)	STC ONE® can provide a read replica with full access to contents. Alternatively, the data can be replicated to a destination of choice.
EHDI - Web Service		NBS - Perkin Elmer web services	STC ONE® can continue to integrate with this technology solution through web services. Other capabilities can also be explored to enhance interoperability.
HEDIS – File Transfer		Files exchanged with MCIR using FTS/Email	STC ONE® can provide MDHHS with HEDIS files as needed using SFTP.
Health Care Organizations - File Transfer (FTP)	3,000,000 records for Variable 120,00,00,000 bytes in size	Batch Process	STC ONE® can continue to integrate with this technology solution using a manual or automated batch process. Additional methods for data exchange can also be explored.

Current Technology	Volume of Data	Format of the input & export files	Contractor must review and explain how the Solution will integrate to each system. Contractor Response:
DHHS Immunization Portal (IMMS) - MCIR Web Service	2,000 records per week/~300 per day	MCIR Patient web service	STC ONE® can continue to integrate with this technology solution through web services. Other capabilities can also be explored to enhance interoperability.
Master Patient/Person Index (MPI) - Web Service	2,500 for every few hours	Web Services	STC ONE® can continue to integrate with this technology solution through web services. Other capabilities can also be explored to enhance interoperability.
Master Patient/Person Index Query (MPI) - Web Service	10 – 20 per a second 300 bytes in size	Web Services	STC ONE® can continue to integrate with this technology solution through web services. Other capabilities can also be explored to enhance interoperability.
Smarty Streets - Web Service	Real time: 50,000 – 300,000 per day	Web Services	This integration is already included in STC ONE®.
Web Service – FCC Census Tract Data	15,000 – 100,000 per day	Web Services	STC ONE® can continue to integrate with this technology solution through web services. Other capabilities can also be explored to enhance interoperability.
Child Blood Lead Record View		DHHS Data Warehouse	The STC ONE® Lead module allows users to enter data manually or data can be exchanged using DTT or HL7.

Current Technology	Volume of Data	Format of the input & export files	Contractor must review and explain how the Solution will integrate to each system. Contractor Response:
File upload via web GUI - VFC shipment information from CDC's VTrckS system		File upload via web GUI	Files exported from CDC's VTrckS system can be uploaded into STC ONE® Inventory Management. Information contained in the files will populate both inventory and orders. STC is currently working with CDC on the specifications to establish an API.
Manual Input via MCIR GUI/Web Service - Hearing & Vision (H&V)		Manual Input via MCIR GUI/Web Service	Custom Built STC ONE® can continue to integrate with this technology solution using HL7, Flat File or by establishing an API.
Manual Input via MCIR GUI by schools/Web services - Kindergarten Oral Health Adm (KOHA)		Manual Input via MCIR GUI/Web Service	The STC ONE® Oral Health Module allows users to enter data manually or data can be exchanged using DTT or HL7.
Application GUI and Flat file upload - Provider/School Imms Data-School/Day Care/SIRS		Application GUI and Flat file upload	STC ONE® can continue to integrate with this technology solution using a manual or automated batch process. Additional methods for data exchange can also be explored.
Manual Input via MCIR - Perinatal Hepatitis B (PHBPP)		Manual Input via MCIR	STC ONE® Disease Management Module allows users to enter data manually or data can be entered using DTT or HL7.

Current Technology	Volume of Data	Format of the input & export files	Contractor must review and explain how the Solution will integrate to each system. Contractor Response:
Manual data exchange - Wisconsin		Import/Export Flat File Upload of HL7 messages for Michigan residents	STC ONE® will work with Michigan to establish a connection to Wisconsin via the IZ Gateway. Until that is established STC ONE® has the capability to utilize Remote Registry, HL7, or Flat File.

12. MIGRATION

The Contractor will meet the following requirements for data migration:

- i. Once the data is clean, migrate the data to the new system in a production environment.
- ii. MCIR business utilize and leverage the [IIS Migration Toolkit - PHII](https://phii.org/course/iis-migration-toolkit/), <https://phii.org/course/iis-migration-toolkit/> to help drive our data migration.
- iii. MCIR Business require the Contractor to complete robust testing with a detailed test plan and timeline from any RFP respondent to be part of any contract and RFP response.
- iv. To double check the migration MCIR Business will utilize the Epidemiologist to replicate reports from a static, time synchronized data source for MCIR to match the new system and assure they receive the same responses along with DTMB data migration validation processes.
- v. MCIR Business will require the initial data migration to occur months before we go live with the system for any purpose and would want to setup the groundwork for a bidirectional exchange between MCIR and the new system.

Contractor will migrate the data identified in the table below:

Current Technology	Oracle 19c EE + Data Guard Standby (Oracle RAC 2024)		
Data Format relative to the database technology used.	Standard tabular rows and columns of data elements. Consists of quantitative and qualitative data		
Number of data fields to give Contractor awareness of the size of the schema.	800 tables 265 views 450 stored procedures, packages, Functions, Triggers.		
Volume of Data	Database	Database Size (GB)	Transaction Recovery Size (GB)
	MCIR Production	4000	1600
	HL7 Onboarding	350	100
	MCIR Standby #1	4000	1600
	MCIR Standby #2	4000	1600
	MCIR Test/UAT	2500	500
	MCIR Test/QA	2500	500
	MCIR Reporting/Query	2000	100
	Total (GB)	19350	1100
Database current size.	19350 GB		

Contractor will meet all data migration requirements.

Contractor will leverage the cloud to allow rapid scaling without needing hardware. Contractor application layers support both horizontal and vertical scaling using virtualized cloud resources.

The database may be increased at the time of transition, if required by the State.

Data migration is done using a phased approach to provide accurate and actionable information available immediately for review and approval. Sample data sets are migrated, reviewed, and approved before the full data sets are migrated to production in preparation for the system's "Go Live" moment. Data migration begins with the organizational structure, associated facilities, and users. Patient and vaccination data sets are migrated similar but also leverage a state-of-the-art process in the STC|ONE® Platform to cleanse and deduplicate this source data actively. Additional supporting data is identified and converted by our team of data engineers. This final process will vary based on the design and data availability within MCIR.

Since it is impossible to know the exact state of the data, the specific fields, and the format of the originating system, all items here are based on the standard process, and all estimates are subject to change once a final review is conducted. Standard data sets include:

- Organizations and Facilities
- Physicians and Vaccinators
- Users
- User Roles and Permissions
- Patients
- Guardian Information
- Immunizations
- Exemptions and Contraindications
- School Information

Additional data sets can be included and identified during the analysis and review of the MCIR system by Contractor subject matter experts and within the implementation process. Each data set is migrated through the following steps:

- Pre-migration data quality review,
- STC|ONE® Registry Import,
- Post-migration data quality review, and
- Post-migration manual steps.

All the data sets above contain numerous internal identifiers. During the migration, many of these identifiers will be regenerated in STC|ONE® Registry primarily due to differing data models and a 1-to-1 table migration is not possible.

The new system needs to generate its own IDs, maintain its data integrity, and respect the data model constraints in STC|ONE® Registry. In addition, when the patients and immunizations are loaded into STC|ONE® Registry, they will be processed using STC|ONE® Registry native data validation and deduplication logic and, thus, generate new internal identifiers. External identifiers, such as the legacy IIS ID and MRNs from sending systems, can also be maintained to support an easy transition for all participating entities.

13. RESERVED

14. TRAINING SERVICES

The Contractor will provide administration and end-user training for implementation, go-live support, and transition to customer self-sufficiency.

Type of training that will be needed.	<p>End User Training</p> <p>Administrator Training</p> <p>Other Training</p>	<p>Yes</p> <p>Yes</p> <p>Training Videos & User Manual.</p> <p>Training material in multiple languages (English, Spanish)</p> <p>Types of Training Needed:</p> <p>1.End User Training</p> <p>2.Admin User Training: (internal staff with Admin functions such as VFC, Ordering, Inventory, Giving Access, Reports-extracting system data)</p> <p>3.Other Training:</p> <p>Videos, Manual or Guide, Webinars, Virtual Meetings Platform Group or Individual trainings.</p>
Training be delivered, by the following type of training.	End User Training: (Classroom, Online or both)	<p>Both</p> <p>(1. In Person face to face, virtual, live webinar, recorded webinar, resources including but not</p>

	Administrative Access Training: (Classroom, Online or both) Other Training: Classroom, Online or both	limited to job aids, system manuals or guides 2. Using Virtual Conference Platforms such as Zoom, Teams or Webex) Both. Online or both
Number of individuals will need to be trained.	Participants for End User Training: <ul style="list-style-type: none"> • # Classroom • # Online Participants for Administrative User Training: <ul style="list-style-type: none"> • # Classroom • # Online Participants for Other Training <ul style="list-style-type: none"> • # Classroom • # Online 	Classroom:39,513 Online: 39,513 Business Admin/Super users: 200 LHD also required Admin/Super user training: 80+ Classroom: 200 Online: 200 Classroom: 39,513 Online: 39,513

The following training courses are available. There are no limitations to onsite or virtual class sizes.

Administrator Training	End User Training
<ul style="list-style-type: none"> • Three (3) days, onsite classroom • Six (6) virtual instructor-led training sessions ranging from 1-2 hours each 	<ul style="list-style-type: none"> • Five (5) days, onsite classroom • Twenty (20) virtual instructor-led training sessions ranging from 1-2 hours each. Sessions are repeated four (4) times over four (4) weeks.
Other	HyperCare (post go live)

Client Hub (admin site) <ul style="list-style-type: none"> • Quick Reference Guides • User Guides • Release Notes • Forums 	<ul style="list-style-type: none"> • Nine (9) hour training allowance for use at the discretion of MDHHS • STC U Learning Management System 12 Month Subscription <ul style="list-style-type: none"> • Access to STC U Essentials for Administrators and End Users (online modules)
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Training Delivery

Training is designed to create lasting knowledge and help learners understand the what and the why behind the products with an incorporation of workflow. Training delivery incorporates both synchronous and asynchronous learning which allows for a variety of learning types to be successful.

Live Classroom Training ensures State system administrators have a comprehensive understanding of system functionality and use. This training allows the Contractor to share practical experience and allows for real-time communication and a bidirectional flow of information.

The Contractor primarily uses Webinars to conduct refresher training or training on system functionality or updates. All virtual training is recorded and made available to participants upon completion.

STC|U™: Learning Management System that offers a dynamic online resource to engage and communicate with participants, store training material and updates, create interactivity augmenting basic documents and presentations with interactive games and assessments, and provides customized reporting for content utilization, learner's progress, and the integration of each user into unique groups which optimize data metrics and analytics.

STC|U™: eLearning Features provide on-demand, remote access to learners. These courses are made available and assigned at the discretion of the Michigan MCIR Training Team to individual users or user groups. These features incorporate text and visual content.

Each module includes steps to navigate to the appropriate system functionality, processes, and best practices to use the system and assessments to check for understanding and retention. Each module also incorporates step-by-step video walkthroughs, interactive quizzes, graphics, integration of CDC resources, and gamification. Online features are divided into multiple lessons that can be started and stopped while saving the learner's progress. Online features also optimize reporting for trainers or administrators to easily determine individual progress, course adoption, and completion of each lesson. Separate features are available for training of the Michigan Department of Health Administrators and support staff and end-users such as providers. Training features can be offered before or after in-person or virtual training sessions.

Administrator Training

The Contractor will provide administrator and train-the-trainer sessions onsite over three (3) days and (5) 1-hour remote webinars to be utilized throughout the contract period so that staff can continue to become familiar with the new system and any additional enhancements or changes. Each training and webinar include a comprehensive Learning Guide that outlines each session and serves as a reference. Each virtual training session will be recorded and provided to MDHHS weekly.

End User Training

The Contractor will provide five (5) days of onsite classroom training that aligns with the format of the Michigan Immunization Conference. There is no limitation to the number of attendees for the onsite classroom session. Virtual Training sessions can be scheduled for up to six weeks for reoccurring topics. A recording of the virtual training will be supplied back to MDHHS and loaded into the STC|U LMS. Each classroom training and virtual training webinar includes a comprehensive Learning Guide that outlines each session and serves as a reference. In addition, online modules will be available within the STC|U LMS and provide the same information as live classroom and virtual training presentations.

Other Training

In addition, all users will have access to a number of other training resources and tools which are listed below.

Training Course Catalog

The Contractor has developed a comprehensive inventory of training aids and materials, including on-demand videos, quick reference guides, slide decks, dynamic training guides, and train-the-trainer materials. These materials can be accessed on demand through the STC|U™: Learning Management System (LMS) and the Client Hub. In addition, as part of

Hypercare Contractor offers an entire library of online features that can be loaded into the State's custom LMS site.

15. TRANSITION RESPONSIBILITIES

See Schedule – G Transition In and Out Plan

16. DOCUMENTATION

Contractor will provide all user manuals, operating manuals, technical manuals and any other instructions, specifications, data dictionary, crosswalk between current tables and fields to new system tables and fields, documents or materials, in any form or media, that describe the functionality, installation, testing, operation, use, maintenance, support, technical or other components, features or requirements of the Software.

Contractor must develop and submit for State approval complete, accurate, and timely Solution documentation to support all users, and will update any discrepancies, or errors through the life of the contract.

The Contractor's user documentation must provide detailed information about all software features and functionality, enabling the State to resolve common questions and issues prior to initiating formal support requests.

As part of the implementation process, the State will receive the following STC|ONE® documentation:

- User manuals
- Operating manuals
- Technical manuals and any other instructions
- Specifications
- Data dictionary
- Crosswalk between current tables and fields to new system tables and fields
- Documents or materials that describe the functionality, installation, testing, operation, use, maintenance, support, technical or other components, features or requirements of the Software.

This information will ensure a clear understanding of all functionalities of the STC|ONE® product. The State will be given adequate time to review user materials and provide feedback. Materials will be updated as appropriate by Contractor in a timely manner.

Contractor will communicate areas of development to the State long in advance and includes Consortium members in defining, reviewing, and approving all new development.

New functionality is demonstrated to clients and includes written information on the functionality and applicable use cases via Contractor standard SaaS Release Notes and Deployment process.

In addition to documentation required as part of the SoM SEM and PMM (Systems Engineering Methodology and Project Management Methodology); any software developed utilizing an agile methodology must include the following at the end of each sprint as part of the SEM-0185 (Sprint or Project Increment Release Review and Approval)

1. A formal demonstration of the work completed during the sprint. The demonstration will be accompanied by a written narrative describing which user stories were completed in the sprint as well as the remaining user stories to be included in the product.
2. A completed Quality Assessment Surveillance Plan QASP as described by 18f. (<https://derisking-guide.18f.gov/qasp/>) The QASP will include at a minimum:

Surveillance Metric	Performance Standard	Acceptance Standard	Method of Assessment
Code Coverage	Code delivered under the order must have substantial test code coverage and a clean code base Version-controlled, public repository of code comprising the product, which will remain in the government domain	Minimum of 75% test coverage of all code	Combination of manual review and automated testing
Properly Styled Code	GSA 18F Front-End Guide <ul style="list-style-type: none"> • SOM Digital Standards • Digital Guidelines 	0 linting errors and 0 warnings	Combination of manual review and automated testing
Accessibility	Web Content Accessibility Guidelines 2.0 standards Michigan ADA Standards	0 errors reported using an automated scanner, and 0 errors reported in manual testing	Combination of manual review and automated testing
Deployed	Code must successfully build and deploy into staging environment	Successful build based upon agreed processes	Combination of manual review and automated testing
Documented	All dependencies are listed and the licenses are	Combination of manual review and	Manual review

Surveillance Metric	Performance Standard	Acceptance Standard	Method of Assessment
	documented. Major functionality in the software/source code is documented. Individual methods are documented inline using comments that permit the use of documentation-generation tools. A system diagram is provided	automated testing, if available	
Security	OWASP Application Security Verification Standard 4.0, Level 2	Code submitted must be free of medium- and high-level static and dynamic security vulnerabilities	Vendor to utilize state approved static application scanning tool (App Scan) and also for Apex dynamic scanning. Pilot: This scan will be done after hardening sprints.
User Research	Usability testing and other user research methods must be conducted at regular intervals throughout the development process (not just at the beginning or end)	Artifacts from usability testing and/or other research methods with end users are available at the end of every applicable sprint, in accordance with the vendor's research plan	Manual review

The approach to the above to maintain standard operating procedures is included below:

Contractor will submit multiple design documents, as outlined in the project management sections, over the course of the IIS implementation project that will cover the full end to end solution. Specifically, the Future State report, which goes over the to-be workflow and system configurations, the system design, which goes over the system architecture and

design of the environment, and the Interoperability Plan, which covers the interoperability connections for the complete MCIR eco-system.

Contractor will offer a robust Quality Program to ensure the STC|ONE® Platform is best in class and to ensure all changes to their platforms code are managed to strict quality standards.

Data Migration Quality Approach

As with any component of the IIS Implementation, data migration will follow its own quality approach to ensure utmost accuracy and completeness of data migrated to the new IIS. Specific details on the data migration process will be documented in the Data Migration Plan document which will be delivered as part of this project.

The quality approach and controls for data migration are based on the ongoing review of data and engagement between the Michigan vaccine program staff and the Contractor data experts. This includes but is not limited to:

- Review and sign-off of the data migration plan
- DB level queries to verify all data in the MCIR export files exist in the STC|ONE® db
- Random sample evaluation by Contractor and MICR staff to compare display of patient data in STC|ONE® to the MCIR UI for same patient. This step occurs multiple times throughout the process to ensure each data type is reviewed before the entire data segment is migrated.
- Summary verification, such as validate record counts between MCIR and STC|ONE®

Software Quality Testing Approach

Functional, Regression and QA procedures are internal activities completed by Contractor staff following the QMS ISO9001-2015 and lead up to and support the User Acceptance Testing and System Acceptance.

User Acceptance Testing Approach

Contractor will demonstrate operational readiness of the overall system and supporting infrastructure by providing a comprehensive list of configurations, specifically required enhancements, concluding with a final demonstration of completeness to authorized approvers.

User Acceptance Testing (UAT) aims to ensure that all the functional, technical, business processes and (where applicable) security and general requirements for the application are performing correctly and meet the contract requirements. All functional requirements in scope with the final functional expectations will be demonstrated by Contractor and approved by Michigan.

Contractor will demonstrate operational readiness of the overall system and supporting infrastructure by providing a comprehensive list of user acceptance testing to test the core

workflows and for any specific enhancements listed as required in the requirements. Program staff will then run through these provided UAT scripts during the designated UAT period within the project and sign off on each test as it is being conducted. “Final Acceptance” is understood by Contractor to include a passing rate of the UAT scripts.

UAT Checklist, Testing Materials and Outcome Tracking

The UAT will utilize a demonstration checklist process. This process is designed to validate the requirements relating to STC|ONE® and any specific enhancements outlined in the requirements. Using scenario-based demonstration, Contractor will walk Michigan through the workflows and enhancements required under the contract. After the walk-through, clients will be provided UAT scripts to complete the process for the official sign-off of the function tested.

UAT Checklist

The image below is a small segment of the UAT script and checklist that will be used in this project. These will be finalized to fit the Michigan IIS Implementation project as a part of the UAT deliverable.

Item/Scenario	Steps/Acceptance Criteria	Type of Account	Date Tested	Pass/Fail
Log in (RC user only)	1. Login to SaVES using your assigned username and password. 2. Select Immunization Registry from the Menu 3. Confirm that you are on IWeb's main page	RC		
Log In (OC user only)	1. Login to SaVES using your assigned username and password. 2. Confirm you are on IWeb's main page	OC		
Logout	1. Confirm the presence of Logout 2. Confirm when selected, you are logged out of the system.	RC		
		OC		
Select Organization	1. Confirm presence of Select Organization 2. Confirm once selected a dropdown is available to select an organization by typing a few letters of name 3. Select the Organization 4. Click on Submit 5. Confirm once an organization is selected, the name will appear at top of screen under "Logged in"	RC		

Figure 1: Sample of UAT Script and Checklist

UAT Testing Materials

The sole mandatory distributed/managed UAT material will be the progress tracking checklist that contains the functional requirement, its status, notes, and authorization. The UAT tracking sheet will be updated in real-time during the testing period. The tracking checklist will be shared on the project confluence site for all to access and monitor.

UAT Outcome Tracking

The UAT document will be used to track the outcome of each test case by indicating the status of the delivered functional requirement(s); “pass” or “fail”.

Review/Confirmation Onsite

- Required Attendees:
 - Contractor Project or Program Manager
 - State Authorized Approver
 - Other Designees, as required
 - Example #1: State Subject Matter Expert: Vaccine Management
Observe the Vaccine Management Demo and provide confirmation to State Approver that each functional requirement is met in the system area.
 - Example #2: State Subject Matter Expert: Interoperability
Observe the PHC-Hub and Exchange Demo and provide confirmation to State Approver that each functional requirement is met in the system area.

Quality Control Matrix Based on Scope of Work, Activities and Tasks

Item	Control Approach	Specific	Escalation
Task 1: Implement STC ONE® Essentials Package	<ul style="list-style-type: none">• UAT• Review of application in the environments through interactive demo sessions• Timeline and WBS - is the project tracking to on time delivery with risk mitigation strategies in place?	<ul style="list-style-type: none">• Sign-off of UAT scripts that are tied to each functional standard• Risk log reviews and weekly reviews of WBS progress	If something fails, the UAT process will be documented and a timeline for resolution will be produced. Where there is ambiguity, items will be raised to the project's leadership's steering committee.
Task 2: Meet functional standards and	<ul style="list-style-type: none">• Review and sign-off of enhancement	<ul style="list-style-type: none">• Sign off on enhancement	If something fails, the UAT process will be documented and

special requirements	<p>requirement documents</p> <ul style="list-style-type: none"> • UAT • Review of functional standards through the interactive demo sessions 	<p>documents</p> <ul style="list-style-type: none"> • Sign-off of UAT scripts that are tied to each functional standard 	<p>a timeline for resolution will be produced. Where there is ambiguity, items will be raised to the project's leadership's steering committee.</p>
Task 3: Professional Implementation Services	<ul style="list-style-type: none"> • Written deliverable review process • Risk mitigation 	<ul style="list-style-type: none"> • Sign-off of written deliverables takes more than 2 review cycles is an early indicator of quality issues 	Steering committee
Task 4: Data Migration	<ul style="list-style-type: none"> • Data migration quality approach 		<p>STC Technical Directors</p> <p>Steering Committee</p>
Task 5: Training Services	<ul style="list-style-type: none"> • Training plan sign off within the written deliverable review process 	<ul style="list-style-type: none"> • See the QASP for specific triggers 	Steering committee
Task 6: Optional Modules	<ul style="list-style-type: none"> • UAT • Review of application in the environments through interactive demo sessions • Timeline and WBS - is the project tracking to on time delivery with risk mitigation 	<ul style="list-style-type: none"> • Sign-off of UAT scripts that are tied to each functional standard • Risk log reviews and weekly review of WBS progress 	<p>If something fails, the UAT process will be documented and a timeline for resolution will be produced. Where there is ambiguity, items will be raised to the project's leadership's steering committee.</p>

	strategies in place?		
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The Work Structure Breakdown (WBS) is on file with DTMB Agency Services.

17. ADDITIONAL PRODUCTS AND SERVICES

The State reserves the right to purchase any additional services or products from the Contractor during the duration of the Contract

18. CONTRACTOR NON-KEY PERSONNEL

Contractor Non-Key Personnel must be onshore resources and will be required to work onsite if the project situation necessitates on site to optimize project outcomes.

Contractor Contract Administrator. Contractor resource who is responsible to(a) administer the terms of this Contract, and (b) approve and execute any Change Notices under this Contract.

Contractor Contract Administrator.

Name: April Nottage
Phone: (480) 745-8500
Email: April_Nottage@stchome.com

Classification	Skill Set	Years of Experience
Chief Scientific Officer	Knowledgeable around immunizing agent clinical decision support and population immunization data analysis.	At least 2 - 5 years or equivalent

Chief Scientific Officer

Name: Sawyer Koops
Phone: (480) 745-8500
Email: sawyer_koops@stchome.com

19. CONTRACTOR KEY PERSONNEL

The State requires the following Key Personnel:

Contractor Key Personnel must be onshore resources and will be required to work onsite if the project situation necessitates on site to optimize project outcomes.

Contractor Security Lead. Contractor resource who is responsible to respond to State inquiries regarding the security of the Contractor's Solution. This person must have sufficient knowledge of the security of the Contractor Solution and the authority to act on behalf of Contractor in matters pertaining thereto. Contractor must inform the State of any change to this resource.

Contractor Security Lead
Name: Douglas Michaelson Phone: (480) 745-8500 Email: Security@stchome.com

Contractor Project Manager.

Contractor Project Manager who will be responsible for creating the overall project timeline, create project metrics and project status reports, coordinate the resolution of issues and risks and work with the State's project manager on overall project delivery coordination.

Contractor Project Manager
Name: Ryan Watkins Phone: (480) 745-8500 Email: Ryan_Watkins@stchome.com

Contractor Technical Lead / Architect.

Technical Lead / Architect who will have primary responsibility of ensuring the technical feasibility and sustainability of the Vendor Module.

Specific Responsibilities:

- Expertise with systems development, reengineering or systems architecture involving multi-tier applications that is required to guide overall architecture of the refactored application.

- Hands-on experience in cloud deployment using Kubernetes or similar container orchestration technology that is required to guide the team for Container deployment of the refactored application
- Guide the team on DevOps principles while using Azure DevOps as the tool

Contractor Technical Lead/Architect
<p>Name: Matt Guthrie</p> <p>Phone: (480) 745-8500</p> <p>Email: Matt_Guthrie@stchome.com</p>

Contractor Agile Team Lead(s) (Scrum Master(s) or equivalent):

Agile Team Lead role equivalent to the Scrum Master Role that will work with the State WIC Team to utilize the state determined agile approach. The Agile Team Lead/Scrum Master equivalent is the team role responsible for ensuring the team lives agile values and principles and follows the processes and practices that the team agreed they would use. The Agile Team Lead is also responsible to keep the team focused on delivering work items and fulfilling their iteration goals and commitments that they have made to the product owner.

Specific Responsibilities:

- Establishing an environment where the team can be effective
- Addressing team dynamics
- Ensuring a good relationship between the team and product owner as well as others outside the team
- Protecting the team from outside interruptions and distractions.
- Identify team capacity
- Identify Feature and stories assigned to the team
- Monitor dates for completion for each step for features and stories
- Escalate Risks, Issues, and changes in ROM and release dates to the Project Manager
- Host Daily Stand-up meetings
- Help assigned team member complete their tasks
- Clear barriers for team members that they face in order to complete their task
- Attend the appropriate agile ceremonies to report on PI/sprint/release progress
- Host team demos, iteration retrospectives
- Provide assigned items to team
- Assure consistent communication and transparency
- Readily engage and partner with other agile Team leads affiliated with other modules

The expectation is that the Agile Team Lead for the WIC Vendor Modernization Project will coach and lead the delivery teams under whatever agile process is decided upon by the state.

The role does not generally have any actual authority. People filling this role have to lead from a position of influence, and often taking a servant-leadership stance.

Contractor Agile Team Lead (Scrum Master or equivalent)
Name: Steve Bauman Phone: (480) 745-8500 Email: Steve_Bauman@stchome.com

CONTRACTOR TRAINING AND CHANGE MANAGEMENT LEAD

Training Lead who will work with the State business implementation team to ensure Business Readiness.

- Training Lead will train State business implementation team to ensure end-user readiness and support for the application.
- Responsible for the documentation, training curriculum and preparations for training. This includes planning, designing and maintain training materials, communication plans, online learning material and additional instructional or informative documentation as needed.

CONTRACTOR TRAINING LEAD
Name: Andrew Sellner Phone: (480) 745-8500 Email: Andrew_Sellner@stchome.com

CONTRACTOR TRAINING
Name: April Callis-Birchmeier, Springboard Consulting, LLC (CONTRACTOR) Phone: (517) 281-7614 Email: April@springboard-consult.com

20. CONTRACTOR PERSONNEL REQUIREMENTS

Background Checks. Contractor must present certifications evidencing satisfactory ICHAT and drug test results for all staff identified for assignment to this project to the State

of Michigan Program Manager designated for this Contract. In addition, proposed Contractor personnel will be required to complete a Michigan State Police background check and/or submit an RI-8 Fingerprint Card for the National Crime Information Center (NCIC), if required by project.

Annually, Contractor must perform an ICHAT for all staff identified for assignment to this project. Annual background check results will be reported to the State of Michigan Program Manager designated for this Contract.

Contractor, while employed with DTMB, will disclose to the State of Michigan Program Manager for this Contract, in writing at or before the beginning of the next scheduled duty shift:

- a. A felony or misdemeanor court conviction, whether by guilty plea, no contest plea or trial.
- b. A felony arraignment.
- c. Restriction, suspension, or loss of driving privileges for any reason, if the employee's current position requires possession of a valid driver's license.

Contractor will pay for all costs associated with ensuring its staff meet all requirements.

Contractor will notify the State Program Manager(s) prior to removing or replacing any Contractor Personnel with access to State Data under this Contract. Contractor must also provide written certification to the State Program Manager(s) that Contractor Personnel's access to State Data has been terminated. Contractor must notify the State in advance of allocating Contractor Personnel to multiple State Contracts or Projects (discuss timeframe for notification). Contractor must provide detail of how a given Contractor Personnel meets the resource experience requirements in advance of replacing a Contractor Personnel. Contractor must provide monthly summary of Contractor Personnel allocation for all Contractor Personnel who have access to State Data.

Contractor will seek approval from the State prior to removing or replacing any Contractor Personnel with access to State Data.

As a SaaS and full solution organization that ensures products and services are repeatable and with an eye towards economies of scale, Contractor staffing approach is a complete full team approach to. While the key and non-key personnel will be the direct and main interface to the MCIR and MDHSS teams, they will be fully supported by a complete team of IIS experts and teams, which means that the correct person to interface with MCIR may not be the person identified.

During Implementation: Project Team

The Contractor Program Management Office (PMO) is staffed with a team of full-time, Project Management Professional (PMP) certified project managers. The STChealth PMO is a Directive PMO, meaning the Project Manager is directly responsible for the management

of the project and has a high degree of control over the project. A full-time, PMP certified Project Manager will be directly assigned to the MCIR implementation once the contract has been executed.

Contractor will assign a Project Manager, Program Manager, and Client Partner who will lead the implementation from kick-off through closeout. Contractor also utilizes many different departments throughout the implementation process.

Post Implementation: Account Management

During Hypercare, the team will transition from implementation to ongoing continued success. Contractor will approach this work with the account management, success, and support team approaches by focusing on client success.

Contractor will provide the people, processes, and tools to enable program staff to learn and understand best practices, and ensure we are constantly making recommendations on informed decisions that the program can use to efficiently meet their goals.

The program will have direct points of contact with the Client Partner, Client Integrator and Product Support teams. They will work with the program to identify short and long-term goals, and then actively and intentionally hold each other accountable to achieving those goals in partnership with the program.

Offshore Resources. Use of Offshore Resources is prohibited per the Schedule E – Data Security Requirements. Contractor must comply with the data security and other requirements in this Contract.

Disclosure of Subcontractors. If the Contractor intends to utilize subcontractors, the Contractor must disclose the following:

- The legal business name; address; telephone number; a description of subcontractor's organization and the services it will provide; and information concerning subcontractor's ability to provide the Contract Activities.
- The relationship of the subcontractor to the Contractor.
- Whether the Contractor has a previous working experience with the subcontractor. If yes, provide details of that previous relationship.
- A complete description of the Contract Activities that will be performed or provided by the subcontractor.
- Geographically Disadvantage Business Enterprise Sub-Contractors: If the Contractors plan to utilize Subcontractors to perform more the 20% of the deliverables under this Contract, at least 20% of that Subcontractors work must be awarded to Michigan-based Geographically Disadvantaged Business Enterprises (GDBE). Contractor will submit a plan detailing all Subcontractors to be used, including the percentage of the work to be done by each. Contractor must inform the State to the name and address of the GDBE, the percentage of

the work they will complete, the total amount estimated to be paid to the GDBE, and provide evidence for their qualifications as a GDBE. If Contractor cannot find GDBE Subcontractors to meet this requirement they must provide reasoning and justification to receive an exemption from this requirement from the State. (Existing business relationships will not be an approved reason for this.)

GDBE definition: "Geographically-Disadvantaged Business Enterprise" means a person or entity that satisfies one or more of the following: (i) Is certified as a HUBZone Small Business Concern by the United States Small Business Administration. (ii) Has a principal place of business located within a Qualified Opportunity Zone within Michigan. (iii) More than half of its employees have a principal residence located within a Qualified Opportunity Zone within Michigan, or both.

Additional information on GDBEs can be found here:

Michigan [Qualified Opportunity Zone \(QOZ\) Map](#)

[Michigan Supplier Community \(MiSC\) Page](#)

Capital Consulting LLC d/b/a TharseoIT	
The legal business name, address, telephone number of the subcontractor(s).	<p>Capital Consulting LLC d/b/a TharseoIT 1231B Good Hope Rd SE Washington, DC 20020.</p> <p>April Callis-Birchmeier, Springboard Consulting, LLC 3753 Clark Rd. Bath, Michigan 48808</p> <p>Sky Solutions, LLC 14145 Roberts Paris Ct, Chantilly, VA 20151.</p>
A description of subcontractor's organization and the services it will provide and information concerning subcontractor's ability to provide the Contract Activities.	<p>TharseoIT: Data migration and conversion from the current IIS to the STC ONE® platform</p> <p>Springboard Consulting: change management</p> <p>Sky Solutions: sickle cell case management (additional/ optional)</p>
The relationship of the subcontractor to the Contractor.	Subcontractor(s)

Capital Consulting LLC d/b/a TharseoIT	
Is the subcontractor a GDBE?	No
Whether the Contractor has a previous working experience with the subcontractor. If yes, provide the details of that previous relationship.	<p>Yes</p> <p>TharseoIT has supported STChhealth in Data Migration activities and effort for three (3) state jurisdiction conversions to STC ONE®. In Washington D.C., South Dakota, and is currently supporting the STChhealth efforts to Go-Live in the State of Georgia.</p>
A complete description of the Contract Activities that will be performed or provided by the subcontractor.	<p>TharseoIT:</p> <ul style="list-style-type: none"> • Data migration and conversion from the current IIS to the STC ONE® platform. • Data Migration and Integration with cloud. • Business Work and data flows. • Testing of Data Bridge <p>Springboard Consulting, LLC</p> <ul style="list-style-type: none"> • Plan and manage the Organizational Change Management workstream during the IIS Implementation. • Document the Organizational Change Plan, including Stakeholder Management Plan, Communication Plan, and Training Plan. • Work with MDHHS to identify the Change Agent network, run the Change Management workshops, and execute the plan. <p>Sky Solutions (Additional/Optional):</p> <ul style="list-style-type: none"> • Implement Microsoft case management system. • Design, develop and implement sickle cell case type. • Design, develop and implement case workflow and integration into MI health systems.

21. STATE RESOURCES/RESPONSIBILITIES

The State will provide the following resources as part of the implementation and ongoing support of the Solution.

State Contract Administrator. The State Contract Administrator is the individual appointed by the State to (a) administer the terms of this Contract, and (b) approve and execute any Change Notices under this Contract.

State Contract Administrator
Name: Mecca Martin Phone: 517-230-5694 Email: MartinM42@mighigan.gov

Program Managers. The DTMB and Agency Program Managers (or designee) will jointly approve all Deliverables and day to day activities.

DTMB Program Manager
Name: Soopriya Razdan Phone: 517-219-2766 Email: RazdanS@michigan.gov

Agency Program Manager
Name: Abigail Cheney Phone: 517-575-5201 Email: CheneyA@michigan.gov

Agency Program Manager
Name: Ryan Malosh Phone: 517-342-4428 Email: MaloshR@michigan.gov

22. MEETINGS

At start of the engagement, the Contractor Project Manager must facilitate a project kick off meeting with the support from the State's Project Manager and the identified State resources to review the approach to accomplishing the project, schedule tasks and identify

related timing, and identify any risks or issues related to the planned approach. From project kick-off until final acceptance and go-live, Contractor Project Manager must facilitate weekly meetings (or more if determined necessary by the parties) to provide updates on implementation progress. Following go-live, Contractor must facilitate monthly meetings (or more or less if determined necessary by the parties) to ensure ongoing support success.

The Contractor will attend the following meetings, at a location and time as identified by the state, at no additional cost to the State:

- Technical Transition Meetings to configure SAAS solution environment, user access, data migration, system integration, security review, etc.
- Issue escalation and resolution – As needed.
- User support

The Contractor will support the following meeting schedule:

Meeting	Purpose/Overview	Cadence
Project Kick-Off	The project kick-off meeting aims to comprehensively examine the project approach, establish and schedule tasks, and proactively identify potential risks or issues inherent to the planned approach. A successful project kick-off ensures a thorough understanding of the project's execution strategy while fostering proactive measures to mitigate challenges.	Within 30 calendar days of contract execution.
Weekly Project Meeting	The weekly project meeting serves as a platform to deliver updates on the ongoing implementation progress, fostering transparent communication and ensuring all team members are informed about the project's current status. This regular forum facilitates collaboration and alignment, enabling the team to collectively address emerging challenges and work towards successful project completion.	Weekly, from project kick-off through post-go live support.

Meeting	Purpose/Overview	Cadence
Technical Transition Meetings	The technical transition meetings aim to streamline key project areas. These sessions focus on configuring user access, managing data migration, ensuring seamless system integration, and conducting a comprehensive security review to facilitate a smooth and effective transition process.	Regular weekly or bi-weekly meetings for each focus area will be conducted as deemed necessary, contingent upon the ongoing activities within the project. The frequency of these meetings will be determined by the nature and progress of the work at any given time.
Change Agent Network Meetings	These are meetings that focus on the change management aspects of the project as indicated in our Rapid Implementation Process. Meeting with key MDHSS stakeholders throughout the process to address operational workflows and business outcomes as a part of the organizational change transition.	Beginning of project and then as needed based on project schedule
RAID Log Review	Review project Risks, Actions, Issues and Decisions	The RAID Log will be reviewed on weekly project calls. Escalated RAID Log Review meetings will be conducted as necessary, contingent upon the issues and risks that need to be resolved or reviewed.
Post Go-Live	Ensure ongoing support success. Please see the support section regarding continued customer success.	Post-Go-Live Meetings will be conducted as needed, contingent upon the ongoing activities

Meeting	Purpose/Overview	Cadence
	Regular meetings will occur with the support and client success team post-live to ensure a smooth and ongoing transition.	within the project. The frequency of these meetings will be at least monthly. Most clients hold bi-weekly meetings. During the Hypercare it is not unusual to hold weekly or twice-a-week sessions as the program staff become used to the system.

23. PROJECT CONTROL & REPORTS

Once the Project Kick-Off meeting has occurred, the Contractor Project Manager will monitor project implementation progress and report on a weekly basis to the State's Project Manager the following:

- Progress to complete milestones, comparing forecasted completion dates to planned and actual completion dates
- Accomplishments during the reporting period, what was worked on and what was completed during the current reporting period
- Indicate the number of hours expended during the past week, and the cumulative total to date for the project. Also, state whether the remaining hours are sufficient to complete the project
- Tasks planned for the next reporting period
- Identify any existing issues which are impacting the project and the steps being taken to address those issues
- Identify any new risks and describe progress in mitigating high impact/high probability risks previously identified
- Indicate the amount of funds expended during the current reporting period, and the cumulative total to date for the project.

All Contractors must submit and enter weekly timesheets into the State of Michigan's Project Portfolio Management tool, Clarity PPM, for approval and reporting. The weekly Clarity PPM timesheet will contain hours worked for assigned project tasks.

Contractor will provide project and implementation management to ensure a successful transition to the STC|ONE® platform.

In addition to the project schedule and dashboards, Contractor will provide a weekly status report with the following information:

- Progress to Complete Milestones
- Accomplishments During the Reporting Period
- Project Resources Tracking
- Tasks Planned for the Next Reporting Period
- Existing Issues and Mitigation Strategies
- New Risks and Progress in Mitigation
- Funds Expended: The weekly reports will indicate the amount of funds expended during the current reporting period and the cumulative total to date for the project, providing a clear overview of the project's financial status.

24. PROJECT MANAGEMENT

The Contractor Project Manager will be responsible for maintaining a project schedule (or approved alternative) identifying tasks, durations, forecasted dates and resources – both Contractor and State - required to meet the timeframes as agreed to by both parties.

Changes to scope, schedule or cost must be addressed through a formal change request process with the State and the Contractor to ensure understanding, agreement and approval of authorized parties to the change and clearly identify the impact to the overall project.

Azure DevOps is used by the State of Michigan to track every project's progress, board, repos, test plans, pipelines, and related items. State actively encourages the contractor to utilize the Azure DevOps services offered by State of Michigan.

Code should be delivered to Azure repos. Azure pipelines should be used for test and deployment of applications to the SOM.

However, the contractors are not restricted to use State of Michigan provided Azure DevOps for project management or backlog management. The contractor is free to utilize any desired project management software (Eg: Jira). The MDHHS/DTMB resources working on this specific project must have access to the contractor's management tools in order to monitor the project if the contractor opts to use their own tool.

SUITE Documentation

In managing its obligation to meet the above milestones and deliverables, the Contractor is required to utilize the applicable [State Unified Information Technology Environment \(SUITE\)](#) methodologies, or an equivalent methodology proposed by the Contractor.

Contractor will provide seamless integration and efficient deployment of their STC|ONE® platform solution by adhering to DevOps best practices.

Milestones/Deliverables for Implementation

The State's proposed milestone schedule and associated deliverables are set forth below.

Milestone Event	Associated Milestone Deliverable(s)	Deadline
Contract signature	Signed Contract	N/A
Project planning	Project Kickoff	Contract execution + 9 calendar days
Vendor-created trainings provided to SOM Communication, Education, and Training Unit	Vendor training documents, videos, and/or website(s)	Contract execution + 31 calendar days
Requirements and Design Validation	Validation sessions, Final Requirement Validation Document, Final Design Document, Final Implementation Document	Contract execution + 92 calendar days
Provision Environments	Validate Test and Production Environments	Contract execution + 92 calendar days
Installation and Configuration of Software	Final Solution and Testing Document	Contract execution + 123 calendar days
Testing and Acceptance	Final Test Results Report, Final Training Documentation, Final Acceptance	Contract execution + 153 calendar days

Go Live	User interface available for production access	Contract execution + 214 calendar days
Flat file exchange activated	Data exchange via file upload (EXT, .csv) completed via Solution.	Contract execution + 214 calendar days
IZ Gateway Connections activated	IZ Gateway data from exchange partners to be ingested via Solution.	Contract execution + 245 calendar days
All other HL7 traffic activated	All HL7 message traffic to be ingested via Solution.	Contract execution + 276 calendar days
Geographic regions 7, 8 fully transitioned to new system.	User interface training to be managed by the State. Some configuration changes may be required.	Contract execution + 304 calendar days
Geographic regions 3, 6 fully transitioned to new system.	User interface training to be managed by the State. Some configuration changes may be required.	Contract execution + 335 calendar days
Geographic regions 1, 5 fully transitioned to new system.	User interface training to be managed by the State. Some configuration changes may be required.	Contract execution + 349 calendar days
Geographic region 2 fully transitioned to new system.	User interface training to be managed by the State. Some configuration changes may be required.	Contract execution + 365 calendar days
Post Production Warranty	Included in the cost of Solution.	Production Go Live + 180 days

Production Support Services	Ongoing after Final Acceptance.	Ongoing
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25. HUMAN CENTERED DESIGN (HCD)

The State intends to utilize Human Center Design as an option to increase stakeholder engagement and to improve state services. The Contractor will deploy specific activities to; garner stakeholder input, define needs, understand issues; facilitate ideation, facilitate prototype creation, set metrics/measures, and recommend a program of change. The Contractor will engage in ongoing feedback with stakeholders through the implementation of recommended change.

The Contractor follows a Consortium model since 2003 as part of their Human Centered Design approach. The Consortium is a partnership between the Contractor and its clients (who use a common IIS software platform and tools) who come together to share ideas, leverage funding, and work together to meet the goals of the IIS Strategic Plan and other State and Federal initiatives. The Consortium plays a key role in HCD phases, including Clarify, Ideate, and Implementation. The Consortium creates workgroups where the Contractor can assess end-user and stakeholder needs and is heavily involved in requirements gathering and user testing for new functionality.

The Contractor development team follows an Agile sprint lifecycle to drive the predictability of delivery. This includes regular demos with key stakeholders regarding changes for rapid feedback. Contractor will apply best practice UX/UI as part of their modern development and design practices. After Ideation and Development conclude, the workgroup is brought back together for new functionality demos to ensure any development meets the needs of the Consortium and the end-user.

Additionally, once the product functionality has been implemented, the Contractor will track the outcomes of its use so that they continue to ensure the State's needs have been met. Product usage data serves as another feedback loop into their product design. Knowing the end-user's behavior using the data to identify explicit and latent pain points allows Contractor to generate insights to create a problem statement from the users' perspectives.

26. ADDITIONAL INFORMATION

The State reserves the right to purchase any additional services or products from the Contractor during the duration of the Contract.

SCHEDULE A – TABLE 1 – BUSINESS SPECIFICATION WORKSHEET

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
MANDATORY MINIMUM						
1.0	<p>Contractor must provide a timeline that will meet a Go Live Date of 6/30/2025, due to Federal funding mandates. All invoices must be submitted, and work completed by 9/1/2025.</p> <p>The STC ONE® Rapid Implementation process is designed to complete implementation within 12 months of contract execution.</p>	x				
REQUIRED						
	Administrative System Requirements					

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
1AS-HC-1.1 (Hierarchy Configuration)	<p>Solution must have the ability to establish the IIS hierarchy to associate and manage relationships between entities.</p> <p>STC ONE® allows for a hierarchy relationship between Organization Groups, Organizations, Facility Groups and Facilities.</p>	x				
1AS-HC-1.2	<p>Solution must have the ability to associate user(s) to a facility.</p> <p>In STC ONE®, users can be associated with a facility by selecting the facility from the appropriate drop down in User Maintenance.</p>	x				
1AS-HC-1.3	<p>Solution must have the ability to associate clinician(s) to a facility.</p> <p>In STC ONE®, vaccinators (clinicians) can be associated to a facility in Physician/Vaccinator Maintenance by selecting the appropriate Organization and Facility. In addition, vaccinators</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	that do not need IIS access can simply be added to the facility's vaccinator drop down.					
1AS-HC-1.4	<p>Solution must have the ability to associate facility/facilities to an organization.</p> <p>The STC ONE® allows for one or more facilities to be assigned to a single organization without limit. A facility is required to be associated to an organization to complete facility creation in the IIS.</p>	x				
1AS-HC-1.5	<p>Solution must have the ability to establish geographic jurisdictional hierarchy.</p> <p>STC ONE® allows authorized users to establish geographic jurisdictional hierarchy by providing associations between organizations and facilities with districts, counties, or regions.</p>	x				
1AS-HC-1.6	Solution must have the ability to aggregate data across user-defined hierarchies.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® provides the ability to aggregate data across user-defined hierarchies by using the robust reports functionality. Reports can be run by user-defined criteria without limitation to a specific organization or facility.					
1AS-SC-2.1 (System Configuration)	<p>Solution must have the ability to maintain inventory availability in IIS visible to authorized users.</p> <p>STC ONE® allows authorized users to maintain inventory availability in IIS visible to authorized users. Every Organization and/or Facility may maintain their own virtual inventory. Each may also manage both public and private inventory separately. Authorized users associated with a specific organization or facility can view the virtual inventory with the appropriate permissions. Inventory for any organization/facility is visible to system Administrators.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
1AS-SC-2.2	<p>Solution must have the ability for jurisdictional admin to maintain separate VFC supplied inventory in the IIS.</p> <p>STC ONE® Inventory Management allows authorized users to maintain a separate VFC-supplied inventory in the IIS for any organization or facility. Jurisdiction-defined compliance activities can be associated with VFC inventories.</p>	x				
1AS-SC-2.3	<p>Solution must have the ability for jurisdictional admin to maintain separate jurisdiction supplied inventory.</p> <p>STC ONE® allows for a single Public Inventory to be used for publicly supplied vaccines. Since this can be federally funded or state funded, STC ONE® tracks funding sources and allows for separate order sets which specify which publicly funded vaccine program it belongs to such as: VFC, Adult, State Flu, etc.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
1AS-SC-2.4	<p>Solution must have the ability for jurisdictional admin to maintain separate private stock inventory.</p> <p>STC ONE® Inventory Management allows authorized users associated with organizations and facilities to maintain a separate private vaccine inventory for convenience.</p>	x				
1AS-SC-2.5	<p>Solution must have the ability for jurisdictional admin to manage code sets.</p> <p>STC ONE® allows for the jurisdictional admin to manage multiple code sets within the application; however, it is unnecessary to do so as this information is automatically updated in STC ONE® and maintained in accordance with the CDC Code Sets eliminating the need for this requirement.</p>	x				
1AS-SC-2.6	Solution must have the ability for jurisdictional admin to update NDC codes.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® allows jurisdictional admin to enter and inactivate NDC codes within the application in Product Settings. NDCs however, are automatically updated in STC ONE® in accordance with the CDC Code Sets.					
1AS-SC-2.7	<p>Solution must have the ability for jurisdictional admin to update CVX codes.</p> <p>STC ONE® as a SaaS solution allows for automated updates to maintain system uniformity and ensure up-to-date codes. CVX codes are updated during STC ONE® forecast releases based on the CDC Code set updates. Using the CDC Code sets brings the registry to a higher level of sustainability and accountability in alignment with CDC standards.</p>	x				
1AS-SC-2.8	Solution must have the ability for jurisdictional admin to update MVX codes.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	As a SaaS solution, STC ONE® allows for automated updates to maintain system uniformity and ensure up-to-date codes. MVX codes are updated during STC ONE® forecast releases based on the CDC Code set updates. Using the CDC Code sets brings the registry to a higher level of sustainability and accountability in alignment with CDC standards.					
1AS-SC-2.9	<p>Solution must have the ability to configure default values to minimize data input.</p> <p>STC ONE® allows for user defined defaults for a wide variety of fields within the system. These fields can be defined in Administration/Define Values by the jurisdictional admin. There are many fields that can be given defined values.</p>	x				
1AS-SC-2.10	Solution must have the ability to display an error message in the user interface when minimum information required is not complete.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® will display an error message when a user selects Save or Submit and if required fields are not completed. STC ONE® has a standard configuration that requires specific fields prior to saving a change or submitting information; jurisdictions may request changes to this configuration.					
1AS-SC-2.11	<p>Solution must have the ability to standardize addresses per US Postal conventions and codes.</p> <p>STC ONE® standardizes addresses through the integration of Smarty Streets in the application. This is included as standard part of STC ONE® for as long as it is available through AIRA or other means.</p>	x				
1AS-SC-2.12	<p>Solution must have the ability to verify validity of addresses (as valid USPS addresses) in the IIS through electronic means (e.g., SmartyStreets).</p> <p>STC ONE® is using Smarty Street address validation for all address fields within the</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	application. This is included as a standard part of STC ONE® for as long as it is available through the AIRA program or other means.					
1AS-SC-2.13	<p>Solution must have the ability to geocode addresses.</p> <p>STC ONE® uses Smarty Street address validation which includes storing the geocoding information for all address fields within the application. This is included as standard part of STC ONE® for as long as it is available through AIRA or other means.</p>	x				
1AS-SC-2.15	<p>Solution must have the ability for jurisdictional admin to modify facility types according to immunization program descriptions and CDC VFC Program descriptions.</p> <p>STC ONE® allows jurisdictional admin to modify facility types according to immunization program descriptions and CDC VFC Program descriptions. This can be done in Administration</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	Settings>Define Lookups and can be managed by the Agency.					
1AS-SC-2.16	<p>Solution must have the ability for jurisdictional admin to configure rules governing data validation of incoming HL7 messages.</p> <p>STC ONE® Data Exchange allows jurisdictional admin to configure rules governing data validation of incoming HL7 messages using Import Profiles. Import Profiles are used to define the HL7 requirements for various facility types and allows jurisdictional admin to designate the desired response (warning, error...) for each provider.</p>	x				
1AS-SC-2.19	<p>Solution must have the ability to display age in year/month/day format in all age display fields (e.g., 2 years, 4 months, 3 days).</p> <p>For patients under 7 years of age, STC ONE® will display the age as weeks, months, and years. All</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	other patient age is displayed as MMDDYYYY based on usability testing with providers.					
1AS-SC-2.21	<p>Solution must have the ability to add patient priority group indicators.</p> <p>STC ONE® allows for user defined patient priority groups to be added by an administrator. A Registry Client user with the CRA Administration permissions to manage the tiers used for campaigns in the Mass Immunization module can add, edit, and delete tier groups.</p>	x				
1AS-SC-2.22	<p>Solution must have the ability to modify patient priority group indicators.</p> <p>STC ONE® allows jurisdictional admins to modify patient priority group tiers. A Registry Client user with the CRA Administration permissions to manage the tiers used for campaigns in the Mass Immunization module can add, edit, and delete tier groups.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
1AS-SC-2.23	<p>Solution must have the ability for jurisdictional admin to manage business rules related to data quality.</p> <p>STC ONE® allows jurisdictional admins to manage business rules related to data quality associated with incoming HL7 messages. STC ONE® Data Exchange allows the jurisdictional admin to create an import profile for each provider or provider type that is used to define the reporting requirements. The system provides various reports to support data quality monitoring.</p>	x				
1AS-SC-2.24	<p>Solution must have the ability for jurisdictional admin to specify business rules for monitoring data quality.</p> <p>An administrator in STC ONE® will be able to select from pre-defined options when configuring how data quality validation should occur in the IIS.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
1AS-SC-2.25	<p>Solution must have the ability for jurisdictional admin to modify business rules for monitoring data quality.</p> <p>An administrator in STC ONE® will be able to modify previously selected, pre-defined options when configuring how data quality validation should occur in the IIS.</p>	x				
1AS-SC-2.26	<p>Solution must have the ability to configure the organization enrollment form.</p> <p>STC ONE® allows system administrators to configure IIS Registration (Enrollment) forms for organizations. This is referred to as the Provider Enrollment. Currently the contents of the enrollment form are configured in collaboration with the vendor, however Agency configuration is on the STC ONE® roadmap for inclusion and will be made available to all STC jurisdictions.</p>		x			

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
1AS-SC-2.27	<p>Solution must support rules-based logic to suggest approval or rejection of enrollment form based on review of completed fields.</p> <p>STC ONE® requires users to complete all required fields on the enrollment form as designated by the client. The enrollment form includes free text fields but also includes several fields that contain only drop down options or other validation to ensure the appropriate information is captured. While there is no rules-based logic, there are numerous ways that STC ONE® supports the decision for approval or rejection. The enrollment form is configured in collaboration with the client as part of implementation.</p>		x			
1AS-SC-2.28	Solution must have the ability to manage rules-based logic for approval or rejection of enrollment form.		x			

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	Enrollment form configuration is included as part of implementation to ensure client needs are fully meant.					
1AS-SC-2.29	<p>Solution must have the ability for jurisdictional admin to create enrollment forms based on program requirements.</p> <p>STC ONE® allows jurisdictional admin to create enrollment forms based on program requirements.</p>	x				
1AS-SC-2.30	<p>Solution must have the ability for jurisdictional admin to modify an enrollment form.</p> <p>STC ONE® allows jurisdictional admin to create new forms as needed. The ability to modify an enrollment is on the roadmap for 2024 and will be available prior to go live.</p>				x	
1AS-SC-2.33	Solution must have the ability for jurisdictional admin to configure vaccine forecasting business rules.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® allows jurisdictional admin to configure vaccine forecasting business rules for policy configuration such as school or other local vaccine schedule requirements. The STC ONE® forecast follows the CDC CDSi logic specifications.					
1AS-SC-2.35	<p>Solution must have the ability to incorporate new vaccines per ACIP into the forecasting algorithm.</p> <p>STC ONE® can incorporate new vaccines per ACIP into the forecasting algorithm. STC ONE® is integrated with ACIP recommendations and receives the updated CDSi logic as it is published.</p>	x				
1AS-SC-2.36	Solution must have the ability to support a record search algorithm to return "best matches".	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® can support a record search algorithm to return "best matches". The STC ONE® patient search algorithm provides an exact match workflow and a possible match workflow to provide the best matches.					
1AS-SC-2.37	<p>Solution must have the ability for jurisdictional admin to configure the number of search results to be displayed per jurisdictional policy.</p> <p>STC ONE® allows jurisdictional admin to configure the number of search results to be displayed per jurisdictional policy. An STC ONE® administrator can set the number of search results to display in the user interface, however only 250 results will display and will require a user to refine the search.</p>	x				
1AS-SC-2.38	Solution must have the ability for jurisdictional admin to modify required parameters for patient searches.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	<p>STC ONE® allows jurisdictional admin to modify required parameters for patient searches. STC ONE® has patient search requirements for adding new patients and offers a simple search or advanced search option for manual data entry users. In addition, STC ONE® patient search requirements will change for a minor (under 18) vs an adult.</p>					
1AS-SC-2.39	<p>Solution must have the ability to restrict certain data from being included in reports such as sensitive demographic information e.g., address, phone number, mother's maiden name, Medicaid ID.</p> <p>STC ONE® has specific rules to restrict certain data from being viewed by those that did not enter the data. In addition, the fields included in the reports can include only desired specific information. STC ONE® displays data based off a public-private data model.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
1AS-URAP-3.1 (User Roles and Permissions)	<p>Solution must have the ability for jurisdictional admin to manage user roles and permissions by task per jurisdictional policy.</p> <p>STC ONE® allows jurisdictional admin to manage user roles by assigning a primary Access Level (e.g., School Nurse). Each access level can then be customized with various permissions that are primarily task based (e.g., Inactivate Lot Numbers). Additional enhancements to this functionality are on the STC ONE®</p>	x				
1AS-URAP-3.2	<p>Solution must have the ability for jurisdictional admin to add user roles with distinct permissions.</p> <p>STC ONE® allows jurisdictional admin to add user roles with distinct permissions by assigning a primary Access Level (e.g., School Nurse). Each access level allows for a specific list of permissions based on the Access Level selected. Additional enhancements to this functionality are</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	on the STC ONE® roadmap for inclusion and will be made available to all STC jurisdictions.					
1AS-URAP-3.3	<p>Solution must have the ability for jurisdictional admin to modify user roles with distinct permissions.</p> <p>STC ONE® allows jurisdictional admin to modify user roles with distinct permissions by assigning a primary Access Level (e.g., School Nurse). Each access level allows for a specific list of permissions based on the Access Level selected. Additional enhancements to this functionality are on the STC ONE® roadmap for inclusion and will be made available to all STC jurisdictions.</p>	x				
1AS-URAP-3.4	<p>Solution must have the ability for jurisdictional admin to inactivate user roles.</p> <p>STC ONE® allows authorized users to inactivate a single user, or a group of users. This functionality is in lieu of user role inactivation to reduce the risk of unintentional inactivation of a large group</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	of users. Additional development is available if desired.					
1AS-URAP-3.5	<p>Solution must have the ability for jurisdictional admin to modify permissions to IIS processes and data for specific user roles.</p> <p>STC ONE® allows jurisdictional admin to modify permissions to IIS processes and data for specific user roles. This can be done using Access Level and assigned permissions. Additional enhancements to this functionality are on the STC ONE®</p>	x				
1AS-URAP-3.6	<p>Solution must have the ability for jurisdictional admin to restrict system functionality by user role.</p> <p>STC ONE® allows jurisdictional admin to restrict system functionality of user roles using permission restrictions (e.g., Block Administered Vaccine Entry) or by simply not assigning a specific permission. Additional enhancements to</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	this functionality are on the STC ONE® roadmap for inclusion and will be made available to all STC jurisdictions.					
1AS-URAP-3.7	<p>Solution must have the ability for jurisdictional admin to restrict authorized user access to data based on user role.</p> <p>STC ONE® allows jurisdictional admin to restrict authorized user access to data based on user role by modifying assigned permissions. One example of this is the permission "Block Patient Data Access." Additional enhancements to this functionality are on the STC ONE®</p>	x				
1AS-URAP-3.8	<p>Solution must have the ability for jurisdictional admin to enable access to standard reports based on user role.</p> <p>STC ONE® allows jurisdictional admin to enable access to standard reports based on user role by assigning various permissions. One example of this is the permission "Management Reports."</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	Additional enhancements to this functionality are on the STC ONE® roadmap for inclusion and will be made available to all STC jurisdictions.					
1AS-URAP-3.9	<p>Solution must have the ability to automatically update all users assigned to a role based on changes made to the "master" role attributes.</p> <p>STC ONE® has the ability to perform a bulk user update. This functionality allows for the user to automatically update permissions for all users assigned to a specific access role.</p>	x				
1AS-SA-4.1 (System Alerts)	<p>Solution must have the ability for jurisdictional admin to manage system alerts.</p> <p>STC ONE® has a variety of alert functionalities, some of which are automated and some that can be managed by jurisdictional admins. STC ONE® can send messages to a selected group of Organizations/Facilities, or it can send alerts for a set list of predefined reasons.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
1AS-SA-4.2	<p>Solution must have the ability to view global messages upon logging into the application.</p> <p>STC ONE® can display global messages upon logging into the application. STC ONE® has a "Message of the Day" feature that is visible as a pop up upon user login. Messages can be added, previewed, stored, and deleted. The option is only available to users with the Message of the Day Edit Access permission. In addition, the application home page can be customized by the vendor to meet the needs of the Agency.</p>	x				
1AS-SA-4.4	<p>Solution must have the ability for jurisdictional admin to add global messages.</p> <p>STC ONE® allows jurisdictional admin to add global messages using the "Message of the Day" feature that is visible as a pop up upon user login. Messages can be added, previewed, stored, and deleted. The option is only available to users with the Message of the Day Edit Access permission.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
1AS-SA-4.5	<p>Solution must have the ability for jurisdictional admin to edit global messages.</p> <p>STC ONE® allows jurisdictional admin to edit global messages using the "Message of the Day" feature that is visible as a pop up upon user login. The option is only available to users with the Message of the Day Edit Access permission.</p>	x				
1AS-SA-4.6	<p>Solution must have the ability for jurisdictional admin to inactivate global messages.</p> <p>STC ONE® allows jurisdictional admin to modify global messages. Messages can be added, previewed, stored, and deleted. The option is only available to users with the Message of the Day Edit Access permission.</p>	x				
	Manage Organization Requirements					
2MO-OFS-1.1 (Organization/Facility Search)	Solution must have the ability to search organization/facility information stored in the IIS.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® allows authorized users to search organization/facility information stored in the IIS by ID, name, city, zip, phone, district and/or pin. In addition, the Report Module can also be used to search organization/facility information.					
2MO-OFS-1.2	<p>Solution must have the ability for jurisdictional admin to search organizations/facilities by user-defined parameters.</p> <p>STC ONE® allows authorized users to search organization/facilities by user-defined parameters such as ID, name, city, zip, phone, district (county) and/or pin. In addition, the Report Module can also be used to search organization/facility information.</p>	x				
2MO-OFS-1.3	<p>Solution must have the ability to clear and re-enter search criteria when searching for an organization/facility.</p> <p>STC ONE® allows authorized users to clear and re-enter search criteria when searching for an</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	organization/facility through use of a "Reset" button.					
2MO-AEIO-2.1 (Add, Edit, Inactivate Organization)	<p>Solution must have the ability for applicant from unauthorized (non-participating/enrolled) organization to enroll electronically for participation in the IIS.</p> <p>STC ONE® allows an applicant from an unauthorized (non-participating/enrolled) organization to submit an IIS Registration (Enrollment) for participation in the IIS through use of a link on the IIS landing page, which does not require system login.</p>	x				
2MO-AEIO-2.2	<p>Solution must have the ability for applicant from unauthorized organization to add IIS enrollment information online.</p> <p>STC ONE® has the ability for an applicant from an unauthorized (non-participating/enrolled) organization to submit an IIS Registration (Enrollment) for participation in the IIS through</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	use of a link on the IIS landing page, which does not require system login.					
2MO-AEIO-2.3	<p>Solution must have the ability for applicant from unauthorized org to submit IIS enrollment information online.</p> <p>STC ONE® has the ability for an applicant from an unauthorized (non-participating/enrolled) organization to submit an IIS Registration (Enrollment) for participation in the IIS through use of a link on the IIS landing page, which does not require system login.</p>	x				
2MO-AEIO-2.6	<p>Solution must have the ability to prevent submission of incomplete IIS enrollment information when required field(s) are missing.</p> <p>STC ONE® only allows for the submission of fully completed IIS enrollment information and will display an error message when required fields are missing.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
2MO-AEIO-2.7	<p>Solution must have the ability to electronically notify the applicant of incomplete IIS enrollment information specifying the missing required fields.</p> <p>STC ONE® will electronically alert a user if a required field is not completed prior to submission.</p>	x				
2MO-AEIO-2.8	<p>Solution must have the ability to electronically notify applicant that IIS enrollment information has been submitted.</p> <p>STC ONE® can electronically notify an applicant that IIS enrollment information has been submitted by displaying a successful message with a confirmation ID and will also allow the person to email the confirmation ID. In addition, the message functionality can be used to notify applicants of the submission of their enrollment.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
2MO-AEIO-2.9	<p>Solution must have the ability for applicant from unauthorized org to edit rejected IIS enrollment information.</p> <p>STC ONE® fulfills this requirement as it allows the jurisdictional admin to configure the enrollment in a way that does not permit users to submit incomplete forms. If an enrollment is rejected the user must submit a new form for review to maintain the integrity of the data flow. This is an established best practice for current clients.</p>					x
2MO-AEIO-2.10	<p>Solution must have the ability for applicant from unauthorized org to resubmit a rejected IIS enrollment.</p> <p>STC ONE® allows an applicant to resubmit a new enrollment form if the previous form was rejected. This allows clients to maintain the integrity of the data flow. This is an established best practice for current clients.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
2MO-AEIO-2.12	<p>Solution must have the ability for jurisdictional admin to manage organization/facility IIS enrollment.</p> <p>STC ONE® allows jurisdictional admin to manage organization/facility IIS enrollment. Completed IIS enrollment is stored for review, determination and used? in creating a new organization.</p>	x				
2MO-AEIO-2.13	<p>Solution must have the ability for jurisdictional admin to manage organization/facility IIS enrollment status.</p> <p>STC ONE® allows jurisdictional admin to manage organization/facility IIS enrollment status. Enrollment status can be selected from the following: Valid (default), Evaluated (default), Pending Review (default), Org Created (default), Invalid.</p>	x				
2MO-AEIO-2.14	Solution must have the ability for jurisdictional admin to inactivate an organization.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® allows jurisdictional admin to deactivate an organization as needed. This is completed by checking the "Inactive" box in the Organization Maintenance [details] page.					
2MO-AEIO-2.15	<p>Solution must have the ability for jurisdictional admin to reactivate an organization.</p> <p>STC ONE® allows jurisdictional admin to reactivate an organization as needed. This is completed by unchecking the "Inactive" box in the Organization Maintenance [detail] page.</p>	x				
2MO-AEIO-2.16	<p>Solution must have the ability to store IIS enrollment status for an organization/facility.</p> <p>STC ONE® can store IIS enrollment status for an organization/facility as well as designate a renewal date. Status can be stored as: Valid (default), Evaluated (default), Pending Review (default), Org Created (default), Invalid.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
2MO-AEIO-2.17	<p>Solution must have the ability for jurisdictional admin to deactivate a facility.</p> <p>STC ONE® allows jurisdictional admin to deactivate a facility as needed. This is completed by checking the "Inactive" box in the Facility Maintenance [details] page.</p>	x				
2MO-AEIO-2.18	<p>Solution must have the ability for jurisdictional admin to reactivate a facility.</p> <p>STC ONE® allows jurisdictional admin to reactivate a facility as needed. This is completed by unchecking the "Inactive" box in the Facility Maintenance [details] page.</p>	x				
2MO-AEIO-2.19	<p>Solution must have the ability for jurisdictional admin to electronically approve IIS enrollment.</p> <p>STC ONE® allows jurisdictional admin to reactivate a facility as needed. This is completed</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	by unchecking the "Inactive" box in the Facility Maintenance [details] page.					
2MO-AEIO-2.20	<p>Solution must have the ability to include reason for rejecting IIS enrollment of an organization.</p> <p>STC ONE® can capture a reason for rejecting IIS enrollment of an organization directly in the approval screen for the enrollment, which is then stored and accessible to authorized users.</p>	x				
2MO-AEIO-2.21	<p>Solution must have the ability to electronically notify the organization that the submitted enrollment was rejected along with the reason.</p> <p>STC ONE® can electronically notify the organization that the submitted enrollment was rejected along with the reason in multiple ways that include both manual and automated alerts such as the Message functionality or the Inventory Management Dashboard alerts.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
2MO-AEIO-2.22	<p>Solution must have the ability for jurisdictional admin to manage organization and facility records within the IIS.</p> <p>STC ONE® allows admins to manage Organizations and Facilities within the IIS to meet program needs. A variety of Organization and Facility information, activity, users, permissions, etc. can be managed within the IIS.</p>	x				
2MO-AEIO-2.23	<p>Solution must have the ability for jurisdictional admin to add an organization.</p> <p>STC ONE® allows jurisdictional admin to add an organization. This can be done from a completed enrollment form or independently after searching for an existing organization.</p>	x				
2MO-AEIO-2.24	Solution must have the ability for jurisdictional admin to modify an organization record.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® allows jurisdictional admins to modify an organization record. Organization information including contacts and vaccine management settings can be modified in the Organization Maintenance [Details] page.					
2MO-AEIO-2.25	<p>Solution must have the ability for jurisdictional admin to add a facility.</p> <p>STC ONE® allows jurisdictional admin to add a facility. This can be done from a completed enrollment form or independently after searching for an existing organization and facility.</p>	x				
2MO-AEIO-2.26	<p>Solution must have the ability for jurisdictional admin to modify a facility record.</p> <p>STC ONE® allows jurisdictional admins to modify facility records. Facility information including contacts and vaccine management settings can</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	be modified in the Facility Maintenance [Details] page.					
2MO-AEIO-2.27	<p>Solution must have the ability to automatically generate unique facility IIS ID.</p> <p>STC ONE® can automatically generate unique facility IIS IDs. When a new facility is created the system will automatically create a Facility ID.</p>	x				
2MO-AEIO-2.28	<p>Solution must have the ability for jurisdictional admin to associate a facility to an organization.</p> <p>STC ONE® allows jurisdictional admin to associate a facility to an organization. Every facility is required to be associated to an organization in the Facility Maintenance [Details] page.</p>	x				
2MO-AEIO-2.29	Solution must have the ability for jurisdictional admin to edit association between a facility an organization.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® allows jurisdictional admin to edit association between a facility and organization. Facilities can be merged and moved under a different organization or facility hierarchy as needed.					
2MO-AEIO-2.30	<p>Solution must have the ability to store multiple unique facility site IDs associated with a particular facility (to facilitate matching of facilities between the IIS and other data systems).</p> <p>STC ONE® can store multiple unique facility site IDs associated with a particular facility (to facilitate matching of facilities between the IIS and other data systems). The IDs include the facility ID generated by the IIS as well as any IDs associated with Data Exchange, VFC Pin, etc.</p>	x				
2MO-AEIO-2.31	Solution must have the ability to capture a facility's mailing address.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® can capture a facility's mailing address. This can be captured in the Facility Maintenance [Details] page under Provider Agreement.					
2MO-AEIO-2.32	<p>Solution must have the ability to capture a facility's shipping address.</p> <p>STC ONE® can capture a facility's shipping address. This can be captured in the Facility Maintenance [Details] page under Provider Agreement. This is separate from the mailing address.</p>	x				
2MO-AEIO-2.33	<p>Solution must have the ability to enter contact information for the facility contact.</p> <p>STC ONE® can enter contact information for multiple contacts associated with a facility. Facility contact roles can be defined by the Agency.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
2MO-AEIO-2.34	<p>Solution must have the ability to enter contact information for an optional contact.</p> <p>STC ONE® can enter contact information for multiple contacts associated with a facility. Facility contact roles can be defined by the Agency. The system will capture contact type, full name, phone number, fax, and email.</p>	x				
2MO-AEIO-2.35	<p>Solution must have the ability to indicate if an organization/facility is a site where immunizations are administered.</p> <p>STC ONE® can indicate if an organization/facility is a site where immunizations are administered. This is achieved by selecting the appropriate options in the organization or facility maintenance page.</p>	x				
2MO-AEIO-2.37	Solution must have the ability to save documents (i.e, enrollment/onboarding documents, storage and handling, borrowing, temperature logs,	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	<p>wastage, etc.) to specific organization/facility file folder per policy.</p> <p>STC ONE® Document Center partially meets this requirement under current capability as it can store, save, and organize documents. Most clients can use current functionality to meet their needs. Included in the cost proposal are customizations to the Document Center to allow for the ability to save documents to a specific organization/facility file folder and restrict access.</p>					
2MO-AEIO-2.38	<p>Solution must have the ability for jurisdictional admin to retrieve electronic files from provider file folder.</p> <p>STC ONE® Document Center partially meets this requirement under current capability as users can retrieve electronic documentation. Most clients can use current functionality to meet their needs. Included in the cost proposal are</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	customizations to the Document Center to allow for the ability to retrieve documents from a specific organization/facility file folder.					
2MO-AEIO-2.39	<p>Solution must have the ability for jurisdictional admin to record notes related to an organization/facility.</p> <p>STC ONE® allows jurisdictional admin to record notes related to an organization/facility in the organization or facility maintenance page.</p>	x				
2MO-AEIO-2.40	<p>Solution must have the ability to flag an organization as participating in VFC and/or other user-defined vaccine program(s).</p> <p>STC ONE® allows authorized users to flag an organization as participating in VFC and/or other user-defined vaccine program(s). The Organization/Facility maintenance page allows for a VFC status drop down as well as the documentation of a VFC PIN.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
2MO-VFC/VPE-3.1 (VFC/Vaccine Program Enrollment)	<p>Solution must have the ability for an organization to submit vaccine program enrollment information electronically.</p> <p>STC ONE® allows authorized users of an organization to submit vaccine program enrollment information electronically. This is done through the standard provider agreements or can be done through the Pandemic Agreement functionality.</p>	x				
2MO-VFC/VPE-3.2	<p>Solution must have the ability to capture electronic signature for vaccine program enrollment.</p> <p>STC ONE® can capture electronic signature for vaccine program enrollment. The eSignature process for VFC Provider Agreement (Enrollment) forms utilizes a third-party plug-in with Nintex AssureSign.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
2MO-VFC/VPE-3.3	<p>Solution must have the ability to access the vaccine program agreement in a separate window from the vaccine program enrollment.</p> <p>STC ONE® can access the vaccine program agreement in a separate window from the vaccine program enrollment. When the agreement is opened it will generate in a separate tab in the browser.</p>	x				
2MO-VFC/VPE-3.4	<p>Solution must have the ability to provide link to the blank formatted vaccine program enrollment form.</p> <p>STC ONE® can provide a link to the blank formatted vaccine program enrollment form with or without login. The link can be added to the IIS home page, or after logging into the document center or the Provider Agreement menu option.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
2MO-VFC/VPE-3.5	<p>Solution must have the ability for the jurisdictional vaccine program admin to assign a VFC pin number to a newly enrolled VFC site.</p> <p>STC ONE® allows jurisdictional vaccine program admin to assign a VFC pin number to a newly enrolled VFC site. This can be manually added to the Facility Maintenance [Details] page along with VFC status.</p>	x				
2MO-VFC/VPE-3.6	<p>Solution must have the ability to select the type of certified monitoring device being used to record temperatures.</p> <p>STC ONE® allows authorized users to select the type of certified monitoring device being used to record temperatures. Our Cold Storage feature requires that a thermometer type be designated for each storage unit created.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
2MO-VFC/VPE-3.8	<p>Solution must have the ability for the jurisdictional vaccine program admin to approve a vaccine program enrollment.</p> <p>The State Approver in STC ONE® can approve provider agreements. The jurisdiction admin can designate an enrollment as Valid (default), Evaluated (default), Pending Review (default), IRMS Created (default), or Invalid.</p>	x				
2MO-VFC/VPE-3.9	<p>Solution must have the ability for the jurisdictional vaccine program admin to enter an expiration date for a vaccine program enrollment.</p> <p>The State Approver in STC ONE® can designate an expiration date for vaccine program enrollment. This is defaulted to a 12-month renewal date but during the approval step it can be manually changed.</p>	x				
2MO-VFC/VPE-3.10	Solution must have the ability for the jurisdictional vaccine program admin to document that the vaccine program facility has a	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	<p>routine and emergency vaccine management plan.</p> <p>STC ONE® allows jurisdictional vaccine program admin to document that the vaccine program facility has a routine and emergency vaccine management plan by utilizing the comments section of the facility maintenance page or by adding a note in the Provider Agreement.</p>					
2MO-VFC/VPE-3.11	<p>Solution must have the ability for the jurisdictional vaccine program admin to document that a facility participating in VFC has a VFC Coordinator annual training certificate.</p> <p>STC ONE® allows jurisdictional vaccine program admin to document that a facility participating in VFC has a VFC Coordinator annual training certificate. For each contact listed on the Provider Agreement there are fields for "Completed Annual Training" (Yes/No), Type of Training Received, Completed Annual Training</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	Requirements (date), and Method of Training Completion.					
2MO-VFC/VPE-3.12	<p>Solution must have the ability for the jurisdictional vaccine program admin to document that a facility participating in VFC has a Backup Coordinator annual training certificate.</p> <p>STC ONE® allows jurisdictional vaccine program admin to document that a facility participating in VFC has a Backup Coordinator annual training certificate. For each contact listed on the Provider Agreement there are fields for "Completed Annual Training" (Yes/No), Type of Training Received, Completed Annual Training Requirements (date), and Method of Training Completion.</p>	x				
2MO-VFC/VPE-3.16	Solution must have the ability to require the vaccine program facility to indicate whether they store Varicella and MMRV vaccine.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® allows authorized users to require the vaccine program facility or an organization to indicate whether they store Varicella and MMRV vaccine during the enrollment process.					
2MO-VFC/VPE-3.17	<p>Solution must have the ability to enter contact information for the facility Primary Vaccine Coordinator.</p> <p>STC ONE® allows authorized users to enter contact information for the facility Primary Vaccine Coordinator during the enrollment process. This contact type can be added by jurisdictional admin for provider to select from when adding contacts.</p>	x				
2MO-VFC/VPE-3.18	<p>Solution must have the ability to enter contact information for the facility Backup Vaccine Coordinator.</p> <p>STC ONE® allows users to enter contact information for the facility Backup Vaccine Coordinator during the enrollment process. This</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	contact type can be added by jurisdictional admin for provider to select from when adding contacts.					
2MO-VFC/VPE-3.19	<p>Solution must have the ability to enter contact information for the facility vaccine program Agreement Signatory.</p> <p>STC ONE® allows users to enter contact information for the facility vaccine program Agreement Signatory during the enrollment process. Under Vaccine Management in the Facility Maintenance [Details] page the following fields are available: "Agreement Signatory Name" and Agreement Signatory Title."</p>	x				
2MO-VFC/VPE-3.20	<p>Solution must have the ability to capture the day of the week that a vaccine program facility may receive vaccine shipments.</p> <p>STC ONE® allows users to capture the day of the week that a vaccine program facility may receive vaccine shipments for both organizations and</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	facilities during, and outside, of the enrollment process such as during the vaccine order process.					
2MO-VFC/VPE-3.21	<p>Solution must have the ability to capture the time that a vaccine program facility may receive vaccine shipments.</p> <p>STC ONE® allows authorized users to capture the time that a vaccine program facility may receive vaccine shipments for each day of the week for both organizations and facilities during, and outside, of the enrollment process.</p>	x				
2MO-VFC/VPE-3.22	<p>Solution must have the ability to automatically turn off vaccine ordering capabilities for a facility that does not have an up-to-date vaccine enrollment.</p> <p>STC ONE® allows authorized users to automatically turn off vaccine ordering capabilities for a facility that does not have an up-</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	to-date vaccine enrollment. This is based on the enrollment expiration date.					
2MO-VFC/VPE-3.23	<p>Solution must have the ability to capture required information for VFC clinician: last name, first name, title, medical license number, NPI number, still active with facility, are they a signatory, specialty (FP, Peds) during the enrollment process.</p> <p>STC ONE® allows authorized users to capture required information for VFC clinician: last name, first name, title, medical license number, NPI number, still active with facility, are they a signatory, specialty (FP, Peds) during the enrollment process. This information is available in the facility maintenance page.</p>	x				
2MO-VFC/VPE-3.24	Solution must have the ability to attach VFC documentation (in multiple formats) such as: VFC training certification, certificate of calibration, medical license, floor design diagram and other documents.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® Document Center meets this requirement as it can store, save, and organize VFC documents.					
2MO-VFC/VPE-3.27	<p>Solution must have the ability to submit vaccine program re-enrollment data electronically.</p> <p>STC ONE® allows authorized users to submit vaccine program re-enrollment data electronically. The jurisdictional admin can trigger the need for a new enrollment agreement which displays as an alert. The provider can then go in and submit any updated information.</p>	x				
2MO-VFC/VPE-3.29	<p>Solution must have the ability for the jurisdictional vaccine program admin to modify the date for online renewal electronic notifications for each vaccine program facility</p> <p>STC ONE® allows jurisdictional vaccine program admin to modify the date for online renewal</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	electronic notifications for each vaccine program facility. The enrollment expiration date (renewal date) can be added in the previous enrollment approval page.					
2MO-VFC/VPE-3.30	<p>Solution must have the ability to suspend ordering capabilities for a facility pending approval of vaccine program enrollment.</p> <p>STC ONE® allows authorized users to suspend ordering capabilities for a facility pending approval of vaccine program enrollment. This is based on the expiration of a valid enrollment.</p>	x				
2MO-VFC/VPE-3.31	<p>Solution must have the ability to re-activate ordering capabilities for a facility when a vaccine program enrollment is approved.</p> <p>STC ONE® allows authorized users to re-activate ordering capabilities for a facility when a vaccine program enrollment is approved. This can be</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	manually completed in the Facility maintenance page.					
2MO-O/FO-4.1 (Organization/Facility Outreach)	<p>Solution must have the ability to send electronic communications to organization/facility contacts.</p> <p>STC ONE® allows jurisdictional vaccine program admin to modify the date for online renewal electronic notifications for each vaccine program facility. The enrollment expiration date (renewal date) can be added in the previous enrollment approval page.</p>	x				
2MO-O/FO-4.2	<p>Solution must have the ability to send a final electronic notification reminder, re: renewal, to all VFC facilities that have not completed the renewal by their expiration date.</p> <p>STC ONE® allows authorized users to suspend ordering capabilities for a facility pending</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	approval of vaccine program enrollment. This is based on the expiration of a valid enrollment.					
	Manage Users Requirements					
3MU-US-1.1 (User Search)	<p>Solution must have the ability for jurisdictional admin to search for user accounts by user-defined criteria.</p> <p>STC ONE® allows jurisdictional admin to search for user accounts through use of a variety of user-defined criteria. Admins can search for users by User Name, Last Name, Organization, Facility, PIN, or no criteria.</p>	x				
3MU-US-1.2	<p>Solution must have the ability for jurisdictional admin to view all user accounts.</p> <p>STC ONE® allows jurisdictional admin to view all user accounts using a no limit search in Search/Add User or by running the User Reports which allows you to designate what information you want included in the report.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
3MU-US-1.3	<p>Solution must have the ability for organization admin to search all user accounts associated with their organization.</p> <p>STC ONE® allows organization admin to search all user accounts associated with their organization. Organization admins can have access to User Management allowing them to run the same reports as a jurisdictional administrator but limited to the specified organization.</p>	x				
3MU-US-1.4	<p>Solution must have the ability for organization admin to view all user accounts associated with their organization.</p> <p>STC ONE® allows organization admin to view all user accounts associated with their organization. Organization admins can have access to User Management allowing them to run the same reports as a jurisdictional administrator but limited to the specified organization.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
3MU-AEIU-2.1 (Add, Edit, Inactivate User)	<p>Solution must have the ability for admin to manage user accounts.</p> <p>STC ONE® allows admin to manage user accounts as needed. Admin will manage user accounts in User Management. The User Maintenance pages allows for all information about a user to be captured and is where access level and permissions are assigned.</p>	x				
3MU-AEIU-2.2	<p>Solution must have the ability for admin to add new users.</p> <p>STC ONE® allows admin to add new users as needed. An Admin would add a new user by doing a search, if no existing user is matched the "Add" button will appear which takes the admin to a new User Maintenance page.</p>	x				
3MU-AEIU-2.3	Solution must have the ability for admin to modify user accounts.	x				

A	B	C				
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	STC ONE® allows admin to modify user accounts as needed in the User Maintenance page. Once modified, the User Last Updated Date and User Last Updated By information is updated to reflect the person making the modification.					
3MU-AEIU-2.4	<p>Solution must have the ability for admin to deactivate user accounts.</p> <p>STC ONE® allows admin to deactivate user accounts as needed. This is permission-based and takes place by clicking the "inactive" box on the specific users User Maintenance page.</p>	x				
3MU-AEIU-2.6	<p>Solution must have the ability for organization admin to deactivate user accounts associated with their organization.</p> <p>STC ONE® allows organization admin to deactivate user accounts associated with their organization. This requires the appropriate permissions to be assigned to the admin. The</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	admin would use the "Inactivate Multiple Users and/or Physicians & Vaccinators" functionality.					
3MU-AEIU-2.8	<p>Solution must have the ability for jurisdictional admin to reactivate an inactivated account.</p> <p>STC ONE® allows jurisdictional admin to reactivate an inactivated account. This is completed by unchecking the "Inactive " box on the User Maintenance page.</p>	x				
3MU-AEIU-2.12	<p>Solution must have the ability for jurisdictional admin to assign a role to authorized users.</p> <p>STC ONE® allows jurisdictional admin to assign a role to authorized users by assigning an Access Level (e.g., School Nurse) which then determines which permissions are available for selection.</p>	x				
3MU-AEIU-2.13	Solution must have the ability for organization admin to assign a role to authorized users within their organization.	x				

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	STC ONE® allows organization admin to assign a role to authorized users within their organization by assigning an Access Level (e.g., School Nurse).					
3MU-AA-3.1 (Authentication & Authorization)	<p>Solution must have the ability to authenticate user.</p> <p>STC ONE® can authenticate users via email and through the use of SSO. In addition, the system requires a username and password to log into the application.</p>	x				
3MU-AA-3.2	<p>Solution must have the ability to access the system through an authorized username and password.</p> <p>STC ONE® allows users access the system through an authorized username and password. This is a requirement of STC ONE®. Once a user is created the username is generated. The admin</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	can set the password and require it to be changed upon initial login.					
3MU-AA-3.3	<p>Solution must have the ability to support access via single sign-on for jurisdictional users.</p> <p>STC ONE® supports access via single sign-on for jurisdictional users. STC ONE® uses an Open-Source Identity and Access Management Server, and OAuth2 and OpenID Connect (OIDC) protocol compliant. STC ONE® has also integrated with other SSO products based on jurisdictional need.</p>	x				
3MU-AA-3.4	<p>Solution must have the ability to switch between multiple organizations.</p> <p>STC ONE® allows authorized users to switch between multiple organizations. This ability is restricted to a specific access level such as jurisdictional admin (Registry client).</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
3MU-AA-3.5	<p>Solution must have the ability to view jurisdictional policy agreements.</p> <p>STC ONE® allows authorized users to view jurisdictional policy agreements. STC ONE® allows for customized confidentiality agreements which need to be accepted by a user upon first login and after any update. The policy agreements can be configured in this agreement field. In addition, the Document Center can be used to store jurisdictional policy documents as needed for reference by all IIS users.</p>	x				
3MU-AA-3.6	<p>Solution must have the support multi-factor authentication per jurisdictional policy.</p> <p>STC ONE® has several security technologies in place to safeguard patient data and has included multi-factor authentication to the STC ONE®</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	roadmap for inclusion and will be made available to all STC jurisdictions.					
3MU-PM-4.1 (Password Management)	<p>Solution must have the ability to generate electronic notification to authorized user of account credentials.</p> <p>In STC ONE® once an account is created the user will receive an email that contains instructions on how to complete their registration. They are required to create a password upon initial login. Another email notification can be sent to a user from the User Maintenance page by selecting the "Generate Password Reset URL" button.</p>	x				
3MU-PM-4.2	<p>Solution must have the ability to electronically notify authorized users of their username.</p> <p>In STC ONE®, once an account is created the user will receive an email that contains instructions on how to complete their registration. They are redirected to the platform where they are required to create a password upon initial login. This link is only active for 24</p>	x				

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	<p>hours. The username is not provided to a new user as they are often easy to discover, guesser hack. There is additional functionality that allows for authorized users to send another email notification to a user from the User Maintenance page by selecting the "Generate Password Reset URL" button. Additional development is available to further meet this requirement.</p>					
3MU-PM-4.3	<p>Solution must have the ability to electronically notify authorized users of their temporary password in a separate notification.</p> <p>STC ONE® can send a reset password link in place of a temporary password as sending a temporary password is not considered a best practice among password security. In addition, if the user selected the "Forgot Password" link they will be emailed information on how to create a new password.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
3MU-PM-4.4	<p>Solution must have the ability to generate electronic notification at periodic intervals to authorized users of their pending account password expiration.</p> <p>STC ONE® allows jurisdictional admin to set rules around password expiration. When the rule is applied, users enter the password that was set prior to the password expiry and then prompted to change the password. There is no email notification sent to users in advance. The Agency may post a message on the homepage when conducting a global reset. Additional development is available to further meet this requirement.</p>	x				
3MU-PM-4.6	Solution must have the ability to support temporary password which will be required to change during initial log in.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® allows jurisdictional admin to set rules around password expiration. When the rule is applied, users enter the password that was set prior to the password expiry and then prompted to change the password. There is no email notification sent to users in advance. The Agency may post a message on the homepage when conducting a global reset. Additional development is available to further meet this requirement.					
3MU-PM-4.7	<p>Solution must have the ability to support temporary password which will expire in X number of days determined by policy.</p> <p>STC ONE® exceeds this requirement by providing the password reset link which expires within 24 hours.</p>	x				
3MU-PM-4.8	Solution must have the ability for users to change their own passwords per program/jurisdiction security policy.	x				

A	B	C				
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	STC ONE® allows users to change their own passwords per program/jurisdiction security policy. A user may access their own User Maintenance page and reset their password.					
3MU-PM-4.9	<p>Solution must have the ability for users to reset their password per program/jurisdiction security policy.</p> <p>STC ONE® allows users to reset their password using the Forgot Password functionality. STC ONE® will send an email to the user with instructions on how to reset their password.</p>	x				
3MU-PM-4.10	<p>Solution must have the ability to prompt users to change their password at time intervals per program/jurisdiction security policy.</p> <p>STC ONE® will prompt users to change their password at time intervals per</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	program/jurisdiction security policy. This is done through the Password Rules which allows the jurisdictional admin to designate expiration of passwords after a certain number of days. The users will receive an email prompting them to reset their passwords prior to expiration.					
	SOM Integration Standards and IIS Data Connection Requirements					
4IO-IS-1.1 (Interop Standards)	<p>SOM Integration Standards and IIS Data Connections. Please see Exhibit 1 - SOM Integration Guide and Exhibit 2 – IIS Data Connections.</p> <p>STC ONE® Data Exchange supports high-quality HL7 messaging and allows for the bidirectional transport of data in a clean and easy to administer format following multiple transport methods endorsed by the CDC including the Simple Object Access Protocol (SOAP) standard Interface, Web Services Definition Language</p>		x			

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Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	(WSDL). In addition, we can establish an API if required and provide manual, as well as automated DTT functionality if appropriate. Manual DTT functionality is included, however other integration types are not included in the cost.					
4IO-IS-1.2	<p>The Data Information Exchange will utilize a standards-based approach to increase efficiencies between the exchanges of data.</p> <p>STC ONE® Data Exchange supports high-quality HL7 messaging and allows for the bidirectional transport of data in a clean and easy to administer format following multiple transport methods endorsed by the CDC including the Simple Object Access Protocol (SOAP) standard Interface, Web Services Definition Language (WSDL).</p>	x				
4IO-IS-1.3	Data that is exchanged will utilize a recognized standard such as the National Information	x				

A	B	C				
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	<p>Exchange Model (NIEM), HL7, FHIR when a standard exists for exchanging data.</p> <p>STC ONE® Data Exchange supports HL7 inbound query requests for patient immunization history. Both HL7 versions, 2.3.1 and 2.5.1, are supported. It also supports quality reporting and extensive customization of the field level message validation process.</p>					
4IO-OB-2.1 (Onboarding)	<p>Solution must have the ability to onboard organizations/facilities to facilitate electronic data exchange.</p> <p>STC ONE® onboarding functionality is handled by an integrated robust data exchange and onboarding functionality within our platform. Coupled with STChealth's optional professional health services we can expand current EHR, pharmacy system, and new to the market vaccine capture system integrations using HL7 2.5.1 standards.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
4IO-OB-2.3	<p>Solution must have the ability to capture EHR system specification details.</p> <p>STC ONE® allows authorized users to capture EHR system specification details. This is done in STC ONE® Data Exchange when the onboarding project is setup. Some fields available to capture are vendor, system name, and more.</p>	x				
4IO-OB-2.4	<p>Solution must have the ability to create a unique username to assign to the organizations/facilities during the test phase.</p> <p>STC ONE® allows authorized users to create a unique username to assign to the organizations/facilities during the test phase.</p>	x				
4IO-OB-2.5	<p>Solution must have the ability to create a unique password to assign to the organizations/facilities during the test phase.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® allows authorized users to create a unique password to assign to the organizations/facilities during the test phase. When the user is created the admin may create a temporary password. This password can be sent to the user or set to expire immediately upon initial login.					
4IO-OB-2.8	<p>Solution must have the ability to validate that the transport layer between the test site and IIS is functional.</p> <p>STC ONE® Data Exchange allows authorized users to view incoming messages to validate the connection.</p>	x				
4IO-OB-2.9	<p>Solution must have the ability to validate system connectivity prior to the submission of test data.</p> <p>STC ONE® Data Exchange allows authorized users to validate connections prior to the submission of test data.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
4IO-OB-2.10	<p>Solution must have the ability to identify data formatting errors during testing.</p> <p>STC ONE® Data Exchange provides filters that can error, warn, or reject incoming EHR data to ensure data quality and correct formatting.</p>	x				
4IO-OB-2.13	<p>Solution must have the ability for IIS authorized staff to review and approve onboarding forms.</p> <p>STC ONE® Data Exchange uses projects functionality to manage all the activities (actions) a provider needs to onboard and take the provider live. This includes the initial discovery steps, through installing and maintaining the provider relationship with the registry. There is usually one project for each interface provider.</p>	x				
4IO-OB-2.14	Solution must have the ability for IIS staff to review and reject onboarding forms.		x			

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® Data Exchange uses projects functionality to manage all the activities (actions) a provider needs to onboard and take the provider live. This includes the initial discovery steps, through installing and maintaining the provider relationship with the registry.					
4IO-OB-2.15	<p>Solution must have the ability for applicant to edit a rejected onboarding application.</p> <p>STC ONE® Data Exchange uses projects functionality to manage all the activities (actions) a provider needs to onboard and take the provider live. This includes the initial discovery steps, through installing and maintaining the provider relationship with the registry.</p> <p>The functionality to create an “onboarding form” that would allow IIS staff to edit a rejected onboarding form is available as an additional module.</p>		x			
4IO-OB-2.16	Solution must have the ability for applicant to save a rejected onboarding application.			x		

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	<p>STC ONE® Data Exchange uses projects functionality to manage all the activities (actions) a provider needs to onboard and take the provider live. This includes the initial discovery steps, through installing and maintaining the provider relationship with the registry. This functionality meets most customer needs.</p> <p>Additional functionality to create an “onboarding form” that would allow IIS staff to save a rejected onboarding form is available as an additional module.</p>					
4IO-OB-2.17	<p>Solution must have the ability for applicant to resubmit a rejected onboarding application.</p> <p>STC ONE® Data Exchange uses projects functionality to manage all the activities (actions) a provider needs to onboard and take the provider live. This includes the initial discovery</p>			x		

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	steps, through installing and maintaining the provider relationship with the registry. This functionality meets most customer needs.					
4IO-OB-2.18	<p>Solution must have the ability to compare onboarding application information to current records to determine most current data.</p> <p>STC ONE® Data Exchange uses projects functionality to manage all the activities (actions) a provider needs to onboard and take the provider live. This includes the initial discovery steps, through installing and maintaining the provider relationship with the registry. This functionality meets most customer needs. Additional functionality that would allow IIS staff to compare onboarding application information to current records to determine most current data would require customization.</p>			x		

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
4IO-IF-3.1 (Interfaces)	<p>Solution must have the ability to interface with other systems to facilitate electronic data sharing/exchange per jurisdictional policy.</p> <p>STC ONE® allows authorized users to facilitate electronic data exchange per jurisdictional policy with system integrations using HL7 2.5.1 standards. STC ONE® has integrated with Medicaid Management Information Systems, School Administration Systems, Vital Records and more.</p>	x				
4IO-IF-3.2	<p>Solution must have the ability to interface with electronic health record systems.</p> <p>STC ONE® can interface with electronic health record systems using HL7 2.5.1. STC ONE® has established quality interfaces with thousands of EHR systems to ensure seamless reporting.</p>	x				
4IO-IF-3.3	Solution must have the ability to interface with the Immunization Gateway.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® can interface with other IIS through the Immunization Gateway. STC currently has 90 IIS to IIS connections that are LIVE.					
4IO-IF-3.5	<p>Solution must have the ability to exchange data with CDC Vaccine Tracking System (VTrckS) based on most current CDC ExIS Specifications.</p> <p>STC ONE® can exchange data with CDC Vaccine Tracking System (VTrckS) based on most current CDC ExIS Specifications. STC ONE® will generate VTrckS file base on the ExIS Specification Document and allow them to be downloaded to import in to the VTrckS application. We are exploring an API integration now that specifications are available by the CDC.</p>	x				
4IO-IF-3.6	Solution must have the ability to order vaccine via electronic interface with VTrckS.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® allows authorized users to order vaccine via electronic interface with VTrckS. STC ONE® will generate VTrckS files base on the ExIS Specification Document and allow them to be downloaded to import in to the VTrckS application. We are exploring an API integration now that specifications are available by the CDC.					
4IO-IF-3.7	<p>Solution must have the ability to receive vaccine inventory/shipping information.</p> <p>STC ONE® allows authorized users to receive vaccine inventory/shipping information. In accordance with ExIS specifications, vaccine shipping files that are exported from VTrckS can be imported into STC ONE® Inventory Management, which then populate information for the corresponding orders.</p>	x				
4IO-IF-3.10	Solution must have the ability to batch export facility information.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	<p>STC ONE® allows authorized users to batch export facility information in accordance with ExIS specifications. When approved orders are exported from STC ONE® the system generates VTrckS Provider Data Files that includes the master profile which contains information on the facility.</p>					
4IO-IF-3.11	<p>Solution must have the ability to export vaccine return and wastage data to VTrckS.</p> <p>STC ONE® allows authorized users to export vaccine return and wastage data to VTrckS in accordance with ExIS specifications. The Wastage screen provides a list of all vaccines eligible for return to the vaccine distribution center after they reconciled from the inventory using a valid waste reason. The wastage file can be exported and then imported into VTrckS.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
4IO-IF-3.12	<p>Solution must have the ability to receive data through an interface with jurisdictional vital records system.</p> <p>STC ONE® can receive data through an interface with jurisdictional vital records system. This can be achieved through HL7 or flat file import.</p>	x				
4IO-IF-3.13	<p>Solution must have the ability to update IIS data from Vital Records for birth events.</p> <p>STC ONE® can update IIS data from Vital Records for birth events. This can be achieved through HL7 or flat file import.</p>	x				
4IO-IF-3.14	<p>Solution must have the ability to update IIS data from Vital Records for death events.</p> <p>STC ONE® can update IIS data from Vital Records for death events. This can be achieved through HL7 or flat file import.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
4IO-IF-3.15	<p>Solution must have the ability to update IIS data from Vital Records for adoption events.</p> <p>STC ONE® can update IIS data from Vital Records for adoption events. This Adopt Patient feature is used to enter adopted patients and their historical vaccinations into the Registry. During this process, the current record for the patient (pre-adoption) is deleted from the database and a new record (with the adopted name and address) is created based on the provided information. The patient's vaccinations are recreated as historical immunizations associated with the chosen Org/Facility and the newly created patient record.</p>	x				
4IO-IF-3.16	<p>Solution must have the ability to update IIS data from Vital Records for name change events.</p> <p>STC ONE® can update IIS data from Vital Records for name change events. This can be achieved through HL7 or flat file import.</p>	x				

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Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
4IO-IF-3.17	<p>Solution must have the ability to detect if a newborn record is a potential duplicate in the IIS.</p> <p>The STC ONE® deduplication algorithm can detect if a newborn record is a potential duplicate in the IIS.</p>	x				
4IO-IF-3.18	<p>Solution must have the ability to use new Vital Record data for matched records to update patient demographic data.</p> <p>The STC ONE® deduplication algorithm can use new Vital Record data for matched records to update patient demographic data. Vital Records data is flagged. To ensure key fields are not overwritten, there are business rules in place.</p>	x				
4IO-IF-3.19	<p>Solution must have the ability to update the IIS with date of death from Vital Records data.</p> <p>STC ONE® can update patient records with date of death from Vital Records data. Once the data</p>	x				

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Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	is transmitted and a patient match is located, the patient Maintenance page will be updated.					
4IO-DE-4.1 (Data Exchange)	<p>Solution must have the ability to support real-time data exchange per the CDC HL7 implementation guide.</p> <p>STC ONE® can support real-time data exchange per the CDC HL7 implementation guide. The system current accepts HL7 2.5.1 or 2.3.1</p>	x				
4IO-DE-4.2	<p>Solution must have the ability to process an HL7 message.</p> <p>STC ONE® can process an HL7 message. This is done in STC ONE® Data Exchange which processes messages in accordance with the agency-defined import profile.</p>	x				
4IO-DE-4.3	Solution must have the ability to respond to an HL7 message.	x				

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	STC ONE® can respond to an HL7 message. STC ONE® sends a unique response for every message sent.					
4IO-DE-4.4	Solution must have the ability to create an HL7 message. STC ONE® can create an HL7 Message using the Message Constructor in STC ONE® Data Exchange.	x				
4IO-DE-4.5	Solution must have the ability to capture IIS Core Data Elements. STC ONE® has allows authorized users to capture IIS Core Data Elements except for "Alias Middle Name" which will be included by quarter 2 of 2024, prior to go live.	x				
4IO-DE-4.6	Solution must have the ability to store IIS Core Data Elements.	x				

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Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® can store IIS Core Data Elements except for "Alias Middle Name" which will be included by quarter 2 of 2024 prior to go live.					
4IO-DE-4.9	<p>Solution must have the ability to support data exchange in non-HL7 format.</p> <p>STC ONE® can support data exchange in non-HL7 format. STC ONE® also supports flat file uploads.</p>	x				
4IO-DE-4.10	<p>Solution must have the ability to import bulk patient demographic information into IIS.</p> <p>STC ONE® allows authorized users to import bulk patient demographic information into the IIS. This can be done using our DTT upload functionality or is done with new customers during the data migration process.</p>	x				
4IO-DE-4.11	Solution must have the ability to import bulk immunization information into IIS.	x				

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	STC ONE® allows authorized users to import bulk immunization information into the IIS. This can be done using our DTT upload functionality or is done with new customers during the data migration process.					
4IO-DE-4.12	<p>Solution must have the ability to monitor and troubleshoot data exchange.</p> <p>STC ONE® Data Exchange allows authorized users to monitor and troubleshoot data exchange. STC ONE® Data Exchange receives inbound HL7 messages, extracts and validates the data, translates coded values, and updates the host system's database with patient and immunization data. In addition to supporting the standard inbound unsolicited HL7 message transaction, Data Exchange can also support a reciprocal batch interface where new patient immunization activity that may be unknown to the provider is returned using the original inbound connection. STC ONE® Data Exchange supports HL7 inbound query requests for patient</p>	x				

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Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	immunization history. Both HL7 versions, 2.3.1 and 2.5.1, are supported. STC ONE® Data Exchange supports quality reporting and extensive customization of the field level message validation process.					
4IO-DE-4.13	<p>Solution must have the ability to view VXU messages submitted by an organization.</p> <p>STC ONE® Data Exchange allows authorized users to view VXU messages submitted by an organization. You can search for and review data that comes into the system through HL7 interfaces. Data includes messages across providers, users, or import profiles by date and MRN. The Message Search in the Imports menu allows for user-defined parameters to search for messages and view them.</p>	x				
4IO-DE-4.14	Solution must have the ability to view HL7 messages for an organization within a defined date range per jurisdictional policy.	x				

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Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® Data Exchange allows authorized users to view HL7 messages for an organization within a defined date range per jurisdictional policy. The Message Search in the Imports menu allows for user-defined parameters such as organization to search for messages and view them.					
4IO-DE-4.15	<p>Solution must have the ability to view HL7 ACK messages generated for an organization.</p> <p>STC ONE® Data Exchange allows authorized users to view HL7 ACK messages generated for an organization. The Message Search in the Imports menu allows for search by message type. In addition, if you click on the message in the import profile you can view the ACK.</p>	x				
4IO-DE-4.16	Solution must have the ability to view incoming HL7 QBP messages submitted by an organization.	x				

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Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® Data Exchange allows authorized users to view incoming HL7 QBP messages submitted by an organization. The Message Search in the Imports menu allows for search by message type.					
4IO-DE-4.17	<p>Solution must have the ability to view RSP messages generated for an organization.</p> <p>STC ONE® Data Exchange allows authorized users to view RSP messages generated for an organization. The Message Search in the Imports menu allows searching by message type.</p>	x				
4IO-DE-4.18	<p>Solution must have the ability to log acknowledgement messages indicating warnings and errors.</p> <p>STC ONE® Data Exchange can log acknowledgement messages indicating warnings and errors. As messages come through,</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® Data Exchange can receive the inbound HL7 messages, then extract and validate the data.					
4IO-DE-4.19	<p>Solution must have the ability to retrieve error messages within a specified date range by organization.</p> <p>STC ONE® Data Exchange allows authorized users to retrieve error messages within a specified date range by organization. The Errors and Warnings view provides a simple method to review the errors and warnings received during an import. This can also be done with Message Search and reports.</p>	x				
4IO-DE-4.20	<p>Solution must have the ability to retrieve acknowledgment messages within a specified date range by organization.</p> <p>STC ONE® Data Exchange allows authorized users to retrieve acknowledgment messages within a specified date range by organization. The</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	Message Search in the Imports menu allows searching by message type.					
4IO-DE-4.21	<p>Solution must have the ability to filter error messages.</p> <p>STC ONE® Data Exchange allows authorized users to filter error messages. The Errors and Warnings view provides a simple method to review the errors and warnings received during an import. This can also be done with Message Search and reports, such as the Provider Detail Error report.</p>	x				
4IO-DE-4.22	<p>Solution must have the ability to filter acknowledgement messages.</p> <p>STC ONE® Data Exchange message filtering capabilities allow the user to search by medical record number, import date range, provider, user, batch and/or system message ID. Results are</p>				x	

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	<p>organized in an easy-to-navigate table. Search results can be filtered/sorted by Message ID, Submit Date, Provider ID, User ID, Patient ID, Last Name, and Message Status. In addition, exported data or data in several of the reports can be filtered.</p> <p>Message Statistics is a future enhancement that will fully meet this requirement and is expected to be delivered to all customers prior to the end of 2024 before go live.</p>					
4IO-DE-4.23	<p>Solution must have the ability to sort error messages.</p> <p>STC ONE® Data Exchange provides the ability to sort error messages. STC ONE® Data Exchange includes message filtering capabilities that allow the user to search by medical record number, import date range, provider, user, batch and/or system message ID.</p>	x				
4IO-DE-4.24	Solution must have the ability to sort acknowledgement messages.				x	

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® allows authorized users to sort acknowledgement messages in the Message Search which includes message sorting capabilities. Search results can be sorted by Message ID, Submit Date, Provider ID, User ID, Patient ID, Last Name, and Message Status.					
	Data Quality Requirements					
5DQ-PMD-1.1 (Patient Matching & Deduplication)	Solution must have the ability to prevent duplicate patient records in the IIS database. The STC ONE® deduplication algorithm prevents duplicate patient records.	x				
5DQ-PMD-1.2	Solution must have the ability to support a methodology to automatically identify incoming patient records as potential duplicates.	x				

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Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	The STC ONE® deduplication algorithm prevents duplicate patient records by identifying incoming records as potential duplicates.					
5DQ-PMD-1.3	<p>Solution must have the ability to support a methodology to automatically identify existing patient records as potential duplicates.</p> <p>The STC ONE® deduplication algorithm contains a process that reviews existing data nightly to identify potential duplicates.</p>	x				
5DQ-PMD-1.4	<p>Solution must have the ability to automatically consolidate two or more duplicate records.</p> <p>The STC ONE® deduplication algorithm automatically merges duplicate records.</p>	x				
5DQ-PMD-1.6	Solution must have the ability to automatically match an incoming patient record with existing records to avoid a duplicate record being created.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	The STC ONE® deduplication algorithm can automatically match an incoming patient record with existing records to avoid a duplicate record being created.					
5DQ-PMD-1.7	<p>Solution must have the ability to set thresholds for patient matching.</p> <p>An administrator can modify the patient matching threshold in STC ONE® for the entire IIS.</p>	x				
5DQ-PMD-1.8	<p>Solution must have the ability to view all possible duplicate patient records for an individual patient simultaneously.</p> <p>STC ONE® allows authorized users to view all possible duplicate patient records for an individual patient simultaneously. The STC ONE® manual deduplication screens will display the incoming patient record and the potential match in the database. If that potential match has</p>	x				

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Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	previously been merged, all previous merged records will display.					
5DQ-PMD-1.9	<p>Solution must have the ability for jurisdictional admin to edit thresholds to increase the probability of a match.</p> <p>An administrator can modify the patient matching threshold in STC ONE® for the entire IIS.</p>	x				
5DQ-PMD-1.10	<p>Solution must have the ability for jurisdictional admin to edit thresholds to reduce the probability of a match.</p> <p>An administrator can modify the patient matching threshold in STC ONE® for the entire IIS.</p>	x				
5DQ-PMD-1.11	Solution must have the ability to flag potential duplicate patient records for manual review that cannot be resolved automatically.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® can flag potential duplicate patient records for manual review that cannot be resolved automatically.					
5DQ-PMD-1.12	<p>Solution must have the ability to view all possible duplicate patient records simultaneously.</p> <p>STC ONE® manages the manual merge queue and allows the user to view all patient records that are a possible match simultaneously.</p>	x				
5DQ-PMD-1.13	<p>Solution must have the ability for admin to manually merge patient records.</p> <p>STC ONE® allows authorized administrators to manually merge patient records that are in the merge queue.</p>	x				
5DQ-PMD-1.14	Solution must have the ability for organizational/facility user to manually merge patient records from their own organization/facility.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® allows authorized users assigned to a specific organization/facility to manually merge patient records that are in the merge queue for patients owned by their facility/organization.					
5DQ-PMD-1.15	<p>Solution must have the ability to manually flag two or more patient records as potential duplicates.</p> <p>STC ONE® offers a configurable option to allow a user to flag potential duplicates.</p>	x				
5DQ-PMD-1.16	<p>Solution must have the ability to prevent manual review of records previously indicated as "not a duplicate".</p> <p>STC ONE® can prevent manual review of records previously indicated as “not duplicate” by allowing users to flag a patient. This will prevent the patient record from returning to the manual queue.</p>	x				
5DQ-PMD-1.17	Solution must have the ability to flag a patient as "not a duplicate" during manual review.	x				

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Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® can flag a patient as "not a duplicate" during manual review which prevents the merge of records after they were separated.					
5DQ-PMD-1.18	<p>Solution must have the ability to maintain "not a duplicate" flag for resolved patient records.</p> <p>STC ONE® contains logic that will ensure a patient indicated as "not a duplicate" during manual review that will prevent the record from returning to the manual queue.</p>	x				
5DQ-PMD-1.19	<p>Solution must have the ability to select data elements from the patient records to maintain within the consolidated record.</p> <p>The STC ONE® platform maintains and retains all incoming records in order to maintain the complete patient history. This is done through a master and reserve record format. During review for patient merges a user can select which record</p>	x				

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Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	to make the master record. Registry level accounts can view all demographic records associated with that individual.					
5DQ-PMD-1.20	<p>Solution must have the ability to retain “pre-merged” records for reference.</p> <p>The STC ONE® data model provides the ability to retain “pre-merged” records for reference.</p>	x				
5DQ-PMD-1.21	<p>Solution must have the ability to separate patient records that were incorrectly merged.</p> <p>STC ONE® allows authorized users to separate patient records that were incorrectly merged.</p>	x				
5DQ-PMD-1.22	<p>Solution must have the ability to prevent potential duplicate vaccination events at the immunization level.</p> <p>The STC ONE® vaccination deduplication algorithm provides the ability to prevent potential</p>	x				

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Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	duplicate vaccination events at the immunization level.					
5DQ-PMD-1.23	<p>Solution must have the ability to support a methodology to automatically identify incoming vaccination event as potential duplicates.</p> <p>The STC ONE® vaccination deduplication algorithm provides the ability to support a methodology to automatically identify incoming vaccination events as potential duplicates.</p>	x				
5DQ-PMD-1.24	<p>Solution must have the ability to automatically select the most accurate vaccination event based on deduplication rules.</p> <p>The STC ONE® vaccination deduplication algorithm provides the ability to automatically select the most accurate vaccination event based on deduplication rules.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
5DQ-PMD-1.25	<p>Solution must have the ability to support a methodology to automatically identify existing vaccination events as potential duplicates.</p> <p>The STC ONE® vaccination deduplication algorithm can automatically identify existing vaccination events as potential duplicates.</p>	x				
5DQ-PMD-1.26	<p>Solution must have the ability to manually flag duplicate vaccination events for manual review.</p> <p>As the STC ONE® vaccination deduplication algorithm automatically identifies vaccination events for manual review, STC ONE® does not have the ability to manually flag duplicate vaccination events for manual review.</p>	x				
5DQ-PMD-1.27	<p>Solution must have the ability to display possible duplicate vaccine records for an individual patient.</p>	x				

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Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	The STC ONE® manual merge queue will display possible duplicate vaccine records for an individual patient.					
5DQ-PMD-1.28	<p>Solution must have the ability to manually merge a duplicate vaccination event.</p> <p>The STC ONE® manual merge queue allows authorized users to manually merge a duplicate vaccination event.</p>	x				
5DQ-PMD-1.29	<p>Solution must have the ability to manually delete a duplicate vaccination event.</p> <p>STC ONE® allows authorized users to manually delete a duplicate vaccination event.</p>	x				
5DQ-PMD-1.30	Solution must have the ability to automatically consolidate two or more duplicate vaccination events.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	The STC ONE® vaccination deduplication algorithm can automatically consolidate two or more duplicate vaccination events.					
	Evaluation Forecast Requirements					
6EF-CDS-1.1 (Clinical Decision Support)	<p>Solution must have the ability to provide immunization clinical decision support according to ACIP.</p> <p>STC ONE® can provide immunization clinical decision support according to ACIP. The STC ONE® forecast algorithm is based entirely on ACIP Recommendations to produce patient-level forecasts.</p>	x				
6EF-CDS-1.2	<p>Solution must have the ability to support a vaccine clinical decision support algorithm aligned with the CDC CDSi logic specifications.</p> <p>STC ONE® can support a vaccine clinical decision support algorithm aligned with the CDC CDSi logic specifications. The STC ONE®</p>	x				

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Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	forecast algorithm is based entirely on ACIP Recommendations and is fully compliant with CDC CDSi specifications.					
6EF-CDS-1.3	<p>Solution must have the ability for jurisdictional admin to update the CDS rules.</p> <p>The STC ONE® forecast algorithm has the ability for jurisdictional admin to update the CDS rules. Although the STC ONE® default forecast algorithm follows ACIP and these updates are provided automatically after published guidelines change, a jurisdictional admin may overwrite the settings through the STC ONE® User Interface.</p>	x				
6EF-CDS-1.4	<p>Solution must have the ability to evaluate a patient's' immunization history according to the ACIP Child and Adolescent Immunization Schedule.</p> <p>The STC ONE® forecast algorithm will evaluate a patient's' immunization history according to the ACIP Child and Adolescent Immunization</p>	x				

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Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	Schedule. The patient immunization record is assessed in accordance with ACIP and will indicate any immunizations administered outside of those recommendations.					
6EF-CDS-1.5	<p>Solution must have the ability to evaluate a patient's' immunization history according to the ACIP Recommended Catch-up Immunization Schedule for Children and Adolescents.</p> <p>The STC ONE® forecast algorithm will evaluate a patient's' immunization history according to the ACIP Recommended Catch-up Immunization Schedule for Children and Adolescents. The patient immunization record is assessed in accordance with ACIP Catch-up schedule and will indicate any immunizations administered outside of those recommendations.</p>	x				
6EF-CDS-1.6	Solution must have the ability to evaluate a patient's' immunization history according to the ACIP Adult Immunization Schedule.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	The STC ONE® forecast algorithm will evaluate a patient's' immunization history according to the ACIP Adult Immunization Schedule. The patient immunization record is assessed in accordance with ACIP and will indicate any immunizations administered outside of those recommendations.					
6EF-CDS-1.7	<p>Solution must have the ability to generate a vaccine forecast according to the ACIP Child and Adolescent Immunization Schedule and immunization history.</p> <p>STC ONE® can generate a vaccine forecast according to the ACIP Child and Adolescent Immunization Schedule and immunization history. The patient level forecast complies with the ACIP Recommended Schedules and Catch-up schedules.</p>	x				
6EF-CDS-1.8	Solution must have the ability to generate a vaccine forecast according to the ACIP Recommended Catch-up Immunization	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	<p>Schedule for Children and Adolescents and immunization history.</p> <p>STC ONE® can generate a vaccine forecast according to the ACIP Recommended Catch-up Immunization Schedule for Children and Adolescents and immunization history. The patient level forecast complies with the ACIP Recommended Schedules and Catch-up schedules.</p>					
6EF-CDS-1.9	<p>Solution must have the ability to generate a vaccine forecast according to the ACIP Adult Immunization Schedule and immunization history.</p> <p>STC ONE® can generate a vaccine forecast according to the ACIP Adult Immunization Schedule and immunization history. The patient</p>	x				

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Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	level forecast complies with the ACIP Recommended Schedules and Catch-up schedules.					
6EF-CDS-1.10	<p>Solution must have the ability to display and highlight vaccines that are due.</p> <p>STC ONE® will display and highlight vaccines that are due. This is present throughout the system in a variety of areas including the Patient Vaccination View/Add Screen, the Vaccination Summary, and the Forecast.</p>	x				
6EF-CDS-1.11	<p>Solution must have the ability to display and highlight vaccines that are overdue.</p> <p>STC ONE® will display and highlight vaccines that are overdue. This is present throughout the system in a variety of areas including the Patient Vaccination View/Add Screen, the Vaccination Summary, and the Forecast.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
6EF-CDS-1.12	<p>Solution must have the ability to display an indication when a vaccine series is complete.</p> <p>STC ONE® will display an indication when a vaccine series is complete. The forecast is then updated. This is present throughout the system in a variety of areas including the Patient Vaccination View/Add Screen, the Vaccination Summary and the Forecast.</p>	x				
6EF-CDS-1.14	<p>Solution must have the ability to take into account contraindications and precautions in the vaccine forecast.</p> <p>STC ONE® will take into account contraindications and precautions in the vaccine forecast. The forecast adjusts based on the contraindications and precautions in the patient record.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
6EF-CDS-1.15	<p>Solution must have the ability to take into account evidence of immunity in the vaccine forecast.</p> <p>STC ONE® considers evidence of immunity in the vaccine forecast. The forecast adjusts based on the evidence of immunity in the patient record.</p>	x				
6EF-CDS-1.20	<p>Solution must have the ability to account for immune globulins in vaccine forecasting.</p> <p>The STC ONE® forecast algorithm will account for immune globulins in vaccine forecasting. The forecast will take into consideration any immune globulins added to the patient record.</p>	x				
6EF-CDS-1.21	<p>Solution must have the ability to create test cases for reuse during user acceptance testing.</p> <p>STC ONE® allows authorized users to create test cases for reuse during user acceptance testing. This can be done in the STC ONE® TEST</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	environment prior to upgrading the STC ONE® PROD environment.					
6EF-RR-2.1 (Reminder/Recall)	<p>Solution must have the ability to generate patient-specific reminder/recall notifications.</p> <p>STC ONE® allows authorized users to generate patient-specific reminder/recall notifications. STC ONE® allows users to create, save and run R/R templates. R/R can be run based on a variety of user-defined criteria. Individual patients can also be removed from R/R based on the number of notifications previously sent or for any other reason.</p>	x				
6EF-RR-2.2	<p>Solution must have the ability to select one or more vaccines due/overdue when generating reminder/recall notifications.</p> <p>STC ONE® allows authorized users to select one or more vaccines due/overdue when generating reminder/recall notifications. The jurisdictional</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	admin can select from admin-defined vaccination series or individually select vaccines.					
6EF-RR-2.3	<p>Solution must have the ability to view the date the reminder/recall notice was sent to a patient.</p> <p>STC ONE® allows authorized users to view the date the reminder/recall notice was sent to a patient. The STC ONE® Reminder/Recall Success report will provide this information.</p>	x				
6EF-RR-2.4	<p>Solution must have the ability to generate list of patients by organization in need of a reminder or recall notification.</p> <p>STC ONE® allows authorized users to generate a list of patients by organization in need of a reminder or recall notification. The R/R can be run for patients based on organization, as well as other criteria.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
6EF-RR-2.5	<p>Solution must have the ability to generate reminder/recall notifications per consent designation.</p> <p>STC ONE® allows authorized users to generate reminder/recall notifications per consent designation. In STC ONE® Reminder Recall excludes opt-out patients from the notification list. In addition, Reminder Recall allows for the exclusion of patients prior to generating the final cohort. STC ONE® also includes a field on the patient record where the user can designate not to include the patient in any reminder/recall notices.</p>	x				
6EF-RR-2.6	<p>Solution must have the ability to generate patient-specific reminder/recall notices by user-defined parameters.</p> <p>STC ONE® allows authorized users to generate patient-specific reminder/recall notices by user-defined parameters. R/R can be run by patient</p>	x				

A	B	C				
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	ownership, PAIS, Org, Facility, Age Range, Birth Date, and Gender.					
6EF-RR-2.7	<p>Solution must have the ability to generate reminder/recall in user-defined format.</p> <p>STC ONE® supports the ability to generate reminder/recall in user-defined format. Notifications can be generated in the following formats:</p> <p>Generate a Patient List - Generates an HTML file that displays a detailed list of patients, including their vaccination forecast.</p> <p>Print Letters - Generates a reminder/recall letter for each patient in the patient list.</p> <p>Generate Auto-Dialer Content - Generates an HTML file that can be used with any external auto-dialer application.</p> <p>Generate Mail-Merge - Generates a text file that</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	<p>can be used with any external mail merge application.</p> <p>Create Custom Post Cards - Provides the ability to create custom postcards as reminder/recall notifications. You can define the dimensions of the postcard, as well as the message content.</p> <p>Send Email - Provides the ability to send reminder/recall notifications using patient email addresses.</p> <p>In addition to sending notifications, you can also print address labels and/or save selected patients as a patient group, or cohort.</p>					
6EF-RR-2.8	<p>Solution must have the ability to select the age of the cohort when generating reminder/recall notifications.</p> <p>STC ONE® allows authorized users to select the age of the cohort when generating reminder/recall notifications. Patient Age Range</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	and Patient Birthdate Range are available as parameters for Reminder/Recall.					
6EF-RR-2.9	<p>Solution must have the ability to print patient-specific reminder/recall notices by user-defined parameters.</p> <p>STC ONE® allows authorized users to print patient-specific reminder/recall notices by user-defined parameters. R/R can be printed as a letter or a custom postcard with specific language customized by the admin.</p>	x				
6EF-RR-2.10	<p>Solution must have the ability to generate patient specific reminder/recalls in a user-defined format.</p> <p>STC ONE® ability to generate patient specific reminder/recalls in a user-defined format. Notifications can be generated in the following formats:</p> <p>Generate a Patient List - Generates an HTML file</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	<p>that displays a detailed list of patients, including their vaccination forecast.</p> <p>Print Letters - Generates a reminder/recall letter for each patient in the patient list.</p> <p>Generate Auto-Dialer Content - Generates an HTML file that can be used with any external auto-dialer application. Generate Mail-Merge - Generates a text file that can be used with any external mail merge application.</p> <p>Create Custom Post Cards - Provides the ability to create custom postcards as reminder/recall notifications. You can define the dimensions of the postcard, as well as the message content.</p> <p>Send Email - Provides the ability to send reminder/recall notifications using patient email addresses.</p> <p>In addition to sending notifications, you can also print address labels and/or save selected</p>					

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	patients as a patient group, or cohort.					
6EF-RR-2.11	<p>Solution must have the ability for an end user to generate patient specific reminder/recalls in accordance with HIPAA and Michigan law or policy.</p> <p>STC ONE® allows authorized users to generate patient specific reminder/recalls in accordance with HIPAA and jurisdictional law or policy. This is a standard for the R/R functionality in STC ONE®.</p>	x				
6EF-RR-2.12	<p>Solution must have the ability for an end user to print patient specific reminder/recalls in accordance with HIPAA and Michigan law or policy.</p> <p>STC ONE® allows authorized users to print patient specific reminder/recalls in accordance with HIPAA and jurisdictional law or policy. This</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	is a standard for the R/R functionality in STC ONE®.					
6EF-RR-2.15	<p>Solution must have the ability to set the reminder/recall count limit for a patient.</p> <p>STC ONE® allows authorized users to set the reminder/recall count limit for a patient in the patient demographics, and indicates whether to include a R/R in their count when running the R/R.</p>	x				
6EF-RR-2.16	<p>Solution must have the ability to modify the reminder/recall count limit for a patient.</p> <p>STC ONE® allows authorized users to modify the reminder/recall count limit for a patient in the patient demographics.</p>	x				
6EF-RR-2.17	Solution must have the ability to exclude patients from being notified who have met the "count" limit of reminder/recall.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® Reminder/Recall allows authorized users to exclude patients from being notified who have met the "count" limit of reminder/recall. The system will automatically exclude patients who have met the R/R count limit as specified in their demographics.					
6EF-RR-2.19	<p>Solution must have the ability to manually review a patient list for a reminder/recall notification.</p> <p>STC ONE® Reminder/Recall allows authorized users to manually review a patient list for a reminder/recall notification. After selecting the desired criteria, the user will select Generate Patient List. The next screen allows the users to remove patients based on a variety of criteria, filter through the results, and exclude patients as needed.</p>	x				
6EF-RR-2.22	Solution must have the ability to generate a reminder/recall notifications for patients with an active status for their organization.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	<p>STC ONE® allows authorized users to generate reminder/recall notifications for patients with an active status for their organization. STC ONE® Reminder/Recall includes patients with an active status, by default however the user may check a box that allows them to include inactive patients as well.</p>					
6EF-RR-2.23	<p>Solution must have the ability to generate reports that include reminder/recall history for specific date range.</p> <p>STC ONE® allows authorized users to generate reports that include reminder/recall history for specific date ranges. The Reminder Recall Success report can be limited by a specific date range and displays the Date, Attempt Type, Number Recalled, and Number Returned for each Success Rate range (<= 30 days, 60 days, and 90 days) for reminder/recalls.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
6EF-RR-2.24	<p>Solution must have the ability to make all reminder/recall data accessible to authorized users for a predetermined period of time.</p> <p>STC ONE® supports the ability to make reminder/recall data accessible for a predetermined period. Access to Reminder/Recall is managed through user permissions or through the Reminder/Recall Scheduler which can be restricted when needed.</p>	x				
6EF-CR-3.1 (Coverage Reports)	<p>Solution must have the ability to generate report(s) displaying information on immunization coverage rate(s) among select populations.</p> <p>STC ONE® allows authorized users to generate report(s) displaying information on immunization coverage rate(s) among select populations. The Coverage Rate Report, which is part of the core report module can be used to view coverage rates by user-defined criteria.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
6EF-CR-3.2	<p>Solution must have the ability to generate report(s) for organizations and facilities per CDC Immunization Quality Improvement for Providers program guidance on immunization coverage among an organization/facility patient population.</p> <p>STC ONE® SMaRT AFIX allows authorized users to generate coverage reports on patient population by vaccine type per CDC IQIP requirements.</p>	x				
6EF-CR-3.3	<p>Solution must have the ability to generate report(s) on immunization coverage for a user-defined geographic area.</p> <p>The STC ONE® Coverage Rate Report provides information on immunization coverage for a user-defined geographic area including district, county, and zip code.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
6EF-CR-3.4	<p>Solution must have the ability to generate report(s) on immunization coverage for a patient cohort.</p> <p>The STC ONE® Coverage Rate Report provides information on immunization coverage for a patient cohort such as VFC Status, District, Race, etc.</p>	x				
6EF-CR-3.6	<p>Solution must have the ability to generate report(s) displaying immunization coverage trends over time, over a selected timeframe.</p> <p>STC ONE® Reports can generate reports displaying immunization coverage trends over time. This functionality will be available in 2024 prior to contract.</p>	x				
6EF-CR-3.7	<p>Solution must have the ability to generate report(s) that display the number of missed opportunities for vaccination.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® allows authorized users to generate report(s) that display the number of missed opportunities for vaccination. This can be achieved using the SMaRT AFIX/IQIP module or the Coverage Rate Report.					
6EF-CR-3.8	<p>Solution must have the ability to generate report(s) displaying the number of patients late up to date for immunization, but up to date as of today.</p> <p>STC ONE® allows authorized users to generate report(s) displaying the number of patients late up to date for immunization, but up to date as of today. This can be achieved using the SMaRT AFIX/IQIP module or the Coverage Rate Report.</p>	x				
6EF-CR-3.9	<p>Solution must have the ability to generate report(s) that display the number of invalid vaccine doses.</p> <p>STC ONE® allows authorized users to generate report(s) that display the number of invalid</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	vaccine doses. This can be achieved using the SMaRT AFIX/IQIP module or the Coverage Rate Report.					
6EF-CR-3.10	<p>Solution must have the ability to generate report(s) displaying vaccine exemption rates</p> <p>The STC ONE® School Module allows authorized users to generate report(s) displaying vaccine exemption rates by school, district, or state. There are various access levels and permissions that permit this activity.</p>	x				
6EF-CR-3.11	<p>Solution must have the ability to generate report(s) displaying immunization coverage by user-defined parameters.</p> <p>STC ONE® allows authorized users to generate report(s) displaying immunization coverage by user-defined parameters in a variety of ways. The Coverage Rate Report, as part of the core report module, can display immunization coverage by a variety of user-defined parameters. Self-Service</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	Reporting will also support user-defined coverage rate reports.					
6EF-CR-3.12	<p>Solution must have the ability to generate report(s) displaying immunization coverage by vaccine type.</p> <p>STC ONE® Reports allows authorized users to generate report(s) displaying immunization coverage by vaccine type.</p>	x				
6EF-CR-3.13	<p>Solution must have the ability to generate report(s) displaying immunization coverage by age range.</p> <p>STC ONE® Reports allows authorized users to generate report(s) displaying immunization coverage by age range.</p>	x				
6EF-CR-3.14	Solution must have the ability to generate report(s) displaying immunization coverage by ethnicity.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® Reports allows users to generate reports displaying immunization coverage by ethnicity. This feature will be available by go live.					
6EF-CR-3.15	<p>Solution must have the ability to generate report(s) displaying immunization coverage by race.</p> <p>STC ONE® Reports allow authorized users to generate report(s) displaying immunization coverage by race using the Coverage Rate Report.</p>	x				
6EF-CR-3.16	<p>Solution must have the ability to generate report(s) displaying immunization coverage by patient sex.</p> <p>STC ONE® allows authorized users to generate report(s) displaying immunization coverage by patient sex using the Coverage Rate Report.</p>	x				
	Manage Patient Immunization Record Requirements					

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
7MPIR-PS-1.1 (Patient Search)	<p>Solution must have the ability to search for patient records.</p> <p>STC ONE® allows authorized users to search for patient records. The Patient Search/Add function allows for patient search by a variety of user-defined parameters.</p>	x				
7MPIR-PS-1.2	<p>Solution must have the ability to search patient record based on one or multiple user-defined parameters.</p> <p>STC ONE® allows authorized users to search patient records based on one, or multiple user-defined parameters. The Patient Search/Add function allows for patient search by First Name or Initial, Last Name or Initial, Birth Date, WIC ID, Patient ID, Chart Number, MN, SSN, Guardian First Name, Mothers Maiden Name and more.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
7MPIR-PS-1.3	<p>Solution must have the ability to re-search for a patient record by modifying existing search parameters.</p> <p>STC ONE® supports the ability to re-search for a patient record by modifying existing search parameters. Once initial search results are received a user may continue to add to the previous criteria and search again, or they may clear the original search and start over.</p>	x				
7MPIR-PS-1.4	<p>Solution must have the ability to display the list of returned possible patient matches per Michigan policy.</p> <p>STC ONE® supports the ability to display the list of returned possible patient matches per jurisdictional policy. Once a patient search is completed the results are displayed with First Name, Middle Name, Last Name, Birth Date, City, Guardian First Name, Guardian Last Name.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
7MPIR-PS-1.5	<p>Solution must have the ability to select a patient record from the list of possible patient matches.</p> <p>STC ONE® supports the ability to select a patient record from the list of possible patient matches. To select a patient record from the Patient Search Results the user must click on the any of the patient fields in the results.</p>	x				
7MPIR-AEPD-2.1 (Add, Edit Patient Demographics)	<p>Solution must have the ability to add demographic information to a patient record.</p> <p>STC ONE® allows authorized users to add demographic information to a patient record. Demographic information can be displayed in accordance with jurisdictional preference by adjusting the Patient Demographics Display Settings.</p>	x				
7MPIR-AEPD-2.2	Solution must have the ability to create a new patient record.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® allows authorized users to create a new patient record. A new patient record can only be created manually AFTER a patient search is completed. The user must click on the "Add a new patient" button and the user can begin entering information on the Patient. New patient records are created automatically via HL7 or batch upload if no patient match is found.					
7MPIR-AEPD-2.3	<p>Solution must have the ability to identify source of new patient record or administration.</p> <p>STC ONE® allows authorized users to identify the source of a new patient record. This is automatically captured via HL7 and can be manually recorded as well. The source information is present on each patient maintenance and vaccination on the Vaccination screen.</p>	x				
7MPIR-AEPD-2.4	Solution must have the ability to edit demographic information in a patient record.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® allows authorized users to edit demographic information in a patient record. The last user to update a patient record is tracked and displayed on the Demographic page.					
7MPIR-AEPD-2.6	<p>Solution must have the ability to display the user who created the permanent comment in a patient's record.</p> <p>STC ONE® can display the entry date, Last Update, Entered By and Last Updated By information which is visible on the Patient Demographics. STC ONE® contains functionality to store permanent information specific to a patient that should be considered such as exemptions, contraindications, and precautions. When entered, this information will display the user that added the information. In addition, every patient record contains an open comment field to use as needed.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
7MPIR-AEPD-2.7	<p>Solution must have the ability to prevent a patient record from being saved unless required fields are completed, per Michigan policy.</p> <p>STC ONE® will prevent a patient record from being saved unless all required fields are completed, per jurisdictional policy. When save is selected on a patient record and the required fields are not completed the user will see, in red font at the top of the screen, the exact fields that are required to be submitted before the record can be saved. The record will not be saved until these fields are completed.</p>	x				
7MPIR-AEPD-2.8	<p>Solution must have the ability to automatically notify a user when attempting to submit an incomplete patient record.</p> <p>STC ONE® will automatically notify a user when attempting to submit an incomplete patient record. When save is selected on a patient record and the required fields are not completed the</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	user will see, in red font at the top of the screen, the exact fields that are required to be submitted before the record can be saved.					
7MPIR-AEPD-2.9	<p>Solution must have the ability to store CDC-endorsed core data elements for all patient records.</p> <p>STC ONE® can store all CDC-endorsed core data elements for all patient records except for "Patient Alias Middle Name". All other CDC Endorsed data elements are present.</p>	x				
7MPIR-AEPD-2.10	<p>Solution must have the ability to store multiple of reported names for each patient to include: first name, middle name, last name, alias, maiden name.</p> <p>STC ONE® can store multiple reported names for each patient to include: first name, middle name, last name, alias, and Mother's name: maiden last. Patient maiden name is not a CDC-endorsed patient demographic element.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
7MPIR-AEPD-2.13	<p>Solution must have the ability to identify effective dates for use of a patient address.</p> <p>STC ONE® can capture multiple addresses for each patient. The ability to identify effective dates for use of a patient address is on the roadmap for development.</p>				x	
7MPIR-AEPD-2.14	<p>Solution must have the ability to store all historic addresses for a patient.</p> <p>STC ONE® maintains an audit record for each change made to a patient record which includes addresses.</p>	x				
7MPIR-AEPD-2.16	<p>Solution must have the ability to flag patient address as a verified United States Postal Service address (e.g., via Smarty Streets).</p> <p>STC ONE® can flag patient address as a verified United States Postal Service address. This can be done manually by clicking the Valid button when</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	adding a new address or automatically using the Smarty address validation.					
7MPIR-AEPD-2.18	<p>Solution must have the ability to automatically create a unique patient ID number.</p> <p>STC ONE® will automatically create a unique patient ID number. When a patient record is created and saved, the patient ID is generated and attached to the record.</p>	x				
7MPIR-AEPD-2.19	<p>Solution must have the ability to automatically associate patient ID number to the patient's record.</p> <p>STC ONE® will automatically associate patient ID number to the patient's record. When a patient record is created and saved, the patient ID is generated and attached to the record.</p>	x				
7MPIR-AEPD-2.20	Solution must have the ability to track patients of all ages per Michigan law or policy.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® can track patients of all ages per jurisdictional law or policy. Immunization information for patients of any age can be captured in the IIS as well as prohibited from being stored in the IIS based on state law.					
7MPIR-AEPD-2.21	<p>Solution must have the ability to require a parent/guardian name for minor children.</p> <p>STC ONE® allows jurisdictions to define which fields are required, including guardian information for a minor child. With both manual entry and HL7, an error message will be generated if the required fields are not completed.</p>	x				
7MPIR-AEPD-2.22	Solution must have the ability to store a patient's occupation.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® has the ability to store a patient's occupation. An occupation can be selected on the patient demographics page from a pick list.					
7MPIR-AEPD-2.24	<p>Solution must have the ability to store multiple patient identifiers.</p> <p>STC ONE® can store multiple patient identifiers such as multiple MRNs, Passport #, Visa #, Medicaid ID, SSN, etc.</p>	x				
7MPIR-AEPD-2.25	<p>Solution must have the ability to assign patient records to a cohort.</p> <p>STC ONE® supports the ability to assign patient records to a cohort. This can be done in the user maintenance page by selecting a campaign or population group. Patients are automatically made a part of a cohort based on their demographic information such as Program participation (i.e., Medicaid).</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
7MPIR-AEPD-2.26	<p>Solution must have the ability to assign patient records to multiple cohorts.</p> <p>STC ONE® supports the ability to assign patient records to multiple cohorts. This can be done in the user maintenance page where a patient can be added to a campaign as well as a population group.</p>	x				
7MPIR-AEPD-2.27	<p>Solution must have the ability to view patient records by cohort.</p> <p>STC ONE® Manage Population and Reports allows authorized users to view patient records by cohort.</p>	x				
7MPIR-AEPD-2.28	<p>Solution must have the ability to remove patient records from a cohort.</p> <p>STC ONE® supports the ability to remove patient records from a cohort by removing them from a campaign or adjusting the patient demographics.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
7MPIR-PS-3.1 (Patient Status)	<p>Solution must have the ability to manage patient status at the organization/facility level.</p> <p>STC ONE® can manage patient status at the organization/facility level. STC ONE® follows the latest MIROW guidelines for Active/Inactive status. It is maintained with a 1:1 relationship. Patient status is held at the state, county, and organizational level. Statuses include Active, Inactive, and Deceased.</p>	x				
7MPIR-PS-3.2	<p>Solution must have the ability to store active patient status at the organization/facility level.</p> <p>STC ONE® has the ability to store active patient status at the organization/facility level. STC ONE® follows the latest MIROW guidelines for Active/Inactive status. It is maintained with a 1:1 relationship. Patient status is held at the state, county, and organizational level. Statuses include Active, Inactive, and Deceased.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
7MPIR-PS-3.3	<p>Solution must have the ability to store inactive patient status at the organization/facility level.</p> <p>STC ONE® has the ability to store inactive patient status at the organization/facility level. STC ONE® follows the latest MIROW guidelines for Active/Inactive status. It is maintained with a 1:1 relationship. Patient status is held at the state, county, and organizational level. Statuses include Active, Inactive, and Deceased.</p>	x				
7MPIR-PS-3.4	<p>Solution must have the ability to edit active patient status at the organization/facility level</p> <p>STC ONE® has the ability to edit active patient status at the organization/facility level. STC ONE® follows the latest MIROW guidelines for Active/Inactive status. It is maintained with a 1:1 relationship. Patient status is held at the state, county, and organizational level. Statuses include Active, Inactive, and Deceased.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
7MPIR-PS-3.5	<p>Solution must have the ability to edit inactive patient status at the organization/facility level.</p> <p>STC ONE® has the ability to edit inactive patient status at the organization/facility level. STC ONE® follows the latest MIROW guidelines for Active/Inactive status. It is maintained with a 1:1 relationship. Patient status is held at the state, county, and organizational level. Statuses include Active, Inactive, and Deceased.</p>	x				
7MPIR-PS-3.6	<p>Solution must have the ability to store reason for inactive status of patients at the organizational/facility level.</p> <p>STC ONE® has the ability to store reason for inactive status of patients at the organizational/facility level using the comments field on the patient record. This requirement can be enhanced further through additional development.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
7MPIR-PS-3.8	<p>Solution must have the ability to manage patient status at the geographic jurisdictional level.</p> <p>STC ONE® has the ability to manage patient status at the geographic jurisdictional level. Patient status can be held at the state, county, and organizational level.</p>	x				
7MPIR-PS-3.9	<p>Solution must have the ability to store active patient status at the geographic jurisdiction level.</p> <p>STC ONE® has the ability to store active patient status at the geographic jurisdiction level. Patient status can be held at the state, county, and organizational level.</p>	x				
7MPIR-PS-3.10	<p>Solution must have the ability to store inactive patient status at the geographic jurisdictional level.</p> <p>STC ONE® has the ability to store inactive patient status at the geographic jurisdictional level.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	Patient status can be held at the state, county, and organizational level.					
7MPIR-PS-3.11	<p>Solution must have the ability to edit active patient status at the geographic jurisdictional level.</p> <p>STC ONE® has the ability to edit active patient status at the geographic jurisdictional level. Patient status can be held at the state, county, and organizational level.</p>	x				
7MPIR-PS-3.12	<p>Solution must have the ability to edit inactive patient status at the geographic jurisdictional level.</p> <p>STC ONE® has the ability to edit inactive patient status at the geographic jurisdictional level. Patient status can be held at the state, county, and organizational level.</p>	x				
7MPIR-PC-4.1 (Patient Consent)	Solution must have the ability to manage patient consent per Michigan policy.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® has the ability to manage patient consent per jurisdictional policy. STC ONE® offers different options for consent to include both opt-in and opt-out.					
7MPIR-PC-4.2	<p>Solution must have the ability to update patient consent on a patient's record.</p> <p>STC ONE® has the ability to update patient consent on a patient's record. STC ONE® has the ability to opt-out or opt-in patient records and STC ONE® has the ability to opt-in patient records that have previously been opted out.</p>	x				
7MPIR-PC-4.3	Solution must have the ability to opt out a patient from participating in the IIS, record to be retained but unviewable and able to be restored if the patient opts back in at a later point in time.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	<p>STC ONE® has the ability to opt out a patient from participating in the IIS. This can be configured in a variety of ways to meet Michigan policy such as:</p> <p>Opt-Out: Patient information is converted to anonymous (not able to search by patient name, etc.)</p> <p>SIIS Opt-Out: Patient is opt out and only the owning organization can search for the patient.</p> <p>SIIS opt-out + Local Access enabled: when local access is also enabled there is the ability to choose who can search for the record including: by owning facility, owning organization, not searchable, or all users.</p>					
7MPIR-PC-4.4	<p>Solution must have the ability to enable access to a patient record per consent designation.</p> <p>STC ONE® has the ability to enable access to a patient record per consent designation.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® has restrictions on what users can access regarding opted out records.					
7MPIR-PC-4.5	<p>Solution must have the ability to enable updates to a patient record per consent designation.</p> <p>STC ONE® has the ability to enable updates to a patient record per consent designation. This information can be updated any time on the patient demographics screen.</p>	x				
7MPIR-AEPI-5.1 (Add, Edit Patient Immunization)	<p>Solution must have the ability to add vaccination event information to a patient record.</p> <p>STC ONE® has the ability to add, edit and delete vaccination event information to a patient record. In the Vaccinations View/Add screen authorized users can perform these actions:</p> <p>View additional details about vaccinations, including comments Edit and/or delete vaccination information Add new vaccinations (shot administration)</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	Add historical vaccination information Add smallpox history prior to 1990 Add chickenpox disease (this is a state-configurable option) Add contraindications (Special Considerations) Add exemptions View vaccination forecast (if the option is enabled)					
7MPIR-AEPI-5.2	Solution must have the ability to edit vaccine information in a patient record. STC ONE® has the ability to edit vaccine information in a patient record. This is done in the Vaccinations View/Add screen; however, the user must have entered the vaccination information to update it. Jurisdictional admin can make any change to any vaccination with the appropriate permissions. This prevents unintended changes to patient vaccinations.	x				
7MPIR-AEPI-5.3	Solution must have the ability to mark vaccine information in a patient record for deletion.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® has the ability to mark vaccine information in a patient record for deletion. Only an authorized user can delete vaccination information.					
7MPIR-AEPI-5.4	<p>Solution must have the ability to restrict the ability to mark vaccine information in a patient record for deletion to administering site or to admin site.</p> <p>STC ONE® has the ability to restrict user access to prevent a user from marking vaccine information for deletion. Only an authorized user from the facility that administered a vaccine, or a system administrator can edit or delete the vaccine information.</p>	x				
7MPIR-AEPI-5.6	Solution must have the ability to capture vaccine eligibility by vaccine dose for publicly purchased vaccine.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® has the ability to capture vaccine eligibility by vaccine dose for publicly purchased vaccines. This is required for all vaccinations entered as administered.					
7MPIR-AEPI-5.7	<p>Solution must have the ability to store vaccine eligibility by vaccine dose for publicly purchased vaccine.</p> <p>STC ONE® has the ability to store vaccine eligibility by vaccine dose for publicly purchased vaccines. This is stored in the Vaccination Detail Page.</p>	x				
7MPIR-AEPI-5.8	<p>Solution must have the ability to report multiple doses administered to the same patient on the same administration date via the UI.</p> <p>STC ONE® has the ability to report multiple doses administered to the same patient on the same administration date via the UI. Multiple doses of different vaccines can easily be added on the</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	same administration date in the Vaccination View/Add Screen.					
7MPIR-AEPI-5.9	<p>Solution must have the ability to store all CDC-endorsed core data elements related to vaccine events.</p> <p>STC ONE® has the ability to store all CDC-endorsed core data elements related to vaccine events in the Vaccinations section of STC ONE®.</p>	x				
7MPIR-AEPI-5.10	<p>Solution must have the ability to enter vaccination substandard or otherwise compromised flag.</p> <p>STC ONE® has the ability to enter vaccination substandard or otherwise compromised flag. If a vaccination is administered outside of the ACIP Recommended and Catchup Schedules, if the lot added to the record is nonviable or expired, the patient record will contain a visual indicator. The</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	Vaccination Detail will also list the reason for the vaccination being listed as invalid.					
7MPIR-AEPI-5.11	<p>Solution must have the ability to view submitted vaccination event information on a patient's record.</p> <p>STC ONE® has the ability to view submitted vaccination event information on a patient's record. Once the patient is located, the user clicks Vaccinations and with the appropriate access will see all vaccination information. This can also be obtained in a variety of reports.</p>	x				
7MPIR-AEPI-5.12	<p>Solution must have the ability to store adverse reactions in accordance with Vaccine Recommendations and Guidelines of the ACIP.</p> <p>STC ONE® has the ability to store adverse reactions in accordance with Vaccine Recommendations and Guidelines of the ACIP. The Vaccination Detail page provides a way to Add/Edit Adverse Reactions for that specific</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	vaccine. The options align with CDC recommendations.					
7MPIR-AEPI-5.13	<p>Solution must have the ability to flag an adverse reaction as having been reported to CDC Vaccine Adverse Event Reporting System (VAERS).</p> <p>STC ONE® allows authorized users to document vaccine specific information, such as reporting to VAERS, in the Vaccination Details comments field. Additional development is available to enhance this functionality.</p>	x				
7MPIR-AEPI-5.14	<p>Solution must have the ability to store patient vaccination event funding eligibility information.</p> <p>STC ONE® has the ability to store patient vaccination event funding eligibility information. Funding source can be added to any vaccination in the Vaccination Detail screen.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
7MPIR-AEPI-5.16	<p>Solution must have the ability to ensure that the default lot number is from the oldest lot when entering an administered dose from inventory.</p> <p>STC ONE® has the ability to ensure that the default lot number is from the oldest lot when entering an administered dose from inventory. When the lot selection appears the expiration date of every lot can be viewed and selected accordingly.</p>	x				
7MPIR-AEPI-5.17	<p>Solution must have the ability to record administration of vaccination regardless of whether the vaccine has since expired in inventory.</p> <p>STC ONE® has the ability to record administration of vaccination regardless of whether the vaccine has since expired in inventory. Although expired vaccines will not display in the Lot number picklist, they can be manually entered into the patient record. They will then be marked as a</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	Compromised Vaccination on the vaccination record.					
7MPIR-AEPI-5.18	<p>Solution must have the ability to track vaccinations that require adjuvant.</p> <p>STC ONE® has the ability to track vaccines that require adjuvant such as Daptacel, HPV, etc.</p>	x				
7MPIR-PER-6.1 (Print/Export Record)	<p>Solution must have the ability to securely print a patient immunization record.</p> <p>STC ONE® has the ability to securely print a patient immunization record. An immunization record may be printed from several places including the Vaccinations View/Add screen, the Vaccinations Summary, and various reports.</p>	x				
7MPIR-PER-6.2	Solution must have the ability to securely print a patient immunization record with recent lead testing results and recommendation if needed based on results.		x			

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® has the ability to securely print a patient immunization record that includes lead testing results. An immunization record may be printed from several places including the Vaccinations View/Add screen, the Vaccinations Summary, and various reports.					
7MPIR-PER-6.3	<p>Solution must have the ability to include evaluated history in the printable version of the patient record.</p> <p>STC ONE® has the ability to include evaluated history in the printable version of the patient record. Every patient record contains available historical information.</p>	x				
7MPIR-PER-6.4	<p>Solution must have the ability to include the forecast in the printable version of the patient record.</p> <p>STC ONE® has the ability to include the forecast in the printable version of the patient record. This can be done in several places throughout the</p>	x				

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	application. The forecast may also contain status of immunization due such as "Due Now," "Past Due," and "Not Due Yet."					
7MPIR-PER-6.5	<p>Solution must have the ability to include immunity in the printable version of the patient record.</p> <p>STC ONE® has the ability to include immunity in the printable version of the patient record. This is automatically included in the patient record once printed.</p>	x				
7MPIR-PER-6.6	<p>Solution must have the ability to securely export a patient immunization record.</p> <p>STC ONE® has the ability to securely export a patient immunization record. The patient record can be exported in a variety of different formats with user-defined information.</p>	x				

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Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
7MPIR-PER-6.7	<p>Solution must have the ability to securely print a patient immunization record with recent blood lead testing results and recommendation if needed based on results.</p> <p>STC ONE® has the ability to securely print a patient immunization record that includes lead testing results. An immunization record may be printed from several places including the Vaccinations View/Add screen, the Vaccinations Summary, and various reports.</p>		x			
7MPIR-MV-7.1 (Mass Vaccination)	<p>Solution must have the ability to support mass vaccination operations.</p> <p>STC ONE® has the ability to support mass vaccination operations using the Mass Immunizations Module. The Mass Immunizations (MI) module is used in the field to conduct quick entry of patient demographic and vaccination information, including inventory for dispensed medication gathered in mass immunization</p>	x				

A	B	C				
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	<p>situations. The application interface is optimized for speedy entry of an appropriately limited set of data elements. Reports, reminder/recall, and other assessments are conducted from the central registry, once loaded with the field data. Depending on the user's access (authorization) level, the following tasks can be performed with this module:</p> <p>Search for patients Create and edit patient demographics (first name, last name, address, city, state, etc.) Add vaccinations or medication distributions Set up the vaccine inventory Set up personal defaults per patient, vaccine lot inventory, and automatic population of city, state, and zip code Run and print reports.</p>					
7MPIR-MV-7.2	Solution must have the ability to rapidly capture patient demographic information offline during mass vaccination clinic for later upload/saving.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
7MPIR-MV-7.3	<p>Solution must have the ability to rapidly capture vaccine information offline during mass vaccination clinic for later upload/saving.</p> <p>The STC ONE® Mass Immunizations Module has the ability to rapidly capture patient demographic information offline during mass vaccination clinic for later upload/saving.</p>	x				
7MPIR-MV-7.4	<p>Solution must have the ability to support rapid capture of patient demographic information during mass vaccination clinic.</p> <p>The STC ONE® Mass Immunizations Module has the ability to support rapid capture of patient demographic information during mass vaccination clinic. Demographic data fields can be predefined, or the virtual waiting room may be utilized to expedite this process.</p>	x				

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Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
7MPIR-MV-7.5	<p>Solution must have the ability to support rapid capture of vaccine information during mass vaccination clinic.</p> <p>The STC ONE® Mass Immunizations Module supports the rapid capture of vaccine information during mass vaccination clinic. STC ONE® allows users to predefine vaccine data fields for efficient user entry of information. The mass immunization module allows users to quickly add vaccines. Vaccine lots can be prepopulated for the provider to ease the use of recording.</p>	x				
7MPIR-MV-7.6	<p>Solution must have the ability to administer vaccines during public health emergency without impacting the patient's status at the organization/facility level.</p> <p>STC ONE® allows users to administer vaccines during public health emergency without impacting the patient's status at the organization/facility level. The Mass</p>	x				

A	B	C				
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	Immunizations Module captures immunization information without impacting patient ownership.					
	Manage Vaccine Inventory Requirements					
8MVI-VIS-1.1 (Vaccine Inventory Search)	<p>Solution must have the ability to search inventory by user-defined parameters.</p> <p>STC ONE® has the ability to search inventory by user-defined parameters. Users can search their own facility/org inventory using the Search/Add Inventory functionality, while jurisdictional admins can search using this or the Inventory transaction analysis.</p>	x				
8MVI-VIS-1.2	<p>Solution must have the ability to search the inventory by funding source.</p> <p>STC ONE® has the ability to search the inventory by funding source. Users can search their own facility/org inventory using the Search/Add Inventory functionality and selecting the appropriate funding source.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
8MVI-VIS-1.3	<p>Solution must have the ability to search inventory by vaccine type.</p> <p>STC ONE® has the ability to search inventory by vaccine type. Users can search their own facility/org inventory using the Search/Add Inventory functionality and selecting the desired vaccine type.</p>	x				
8MVI-VIS-1.4	<p>Solution must have the ability to search inventory by vaccine lot number.</p> <p>STC ONE® has the ability to search inventory by vaccine lot number. Users can search their own facility/org inventory using the Search/Add Inventory functionality and entering the specific lot number.</p>	x				
8MVI-VIS-1.5	<p>Solution must have the ability to search inventory by vaccine NDC code.</p>	x				

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	STC ONE® has the ability to search inventory by vaccine NDC code. Users can search their own facility/org inventory using the Search/Add Inventory functionality and entering the NDC number.					
8MVI-AEVI-2.1 (Add, Edit Vaccine Inventory)	<p>Solution must have the ability to manage vaccine inventory.</p> <p>STC ONE® Inventory Management provides robust functionality to manage vaccine inventory. The goal of the stand- alone application is to manage inventories for all of the providers in the IIS. This allows state and local health jurisdiction administrators to have electronic visibility to all providers in the state. Other features include provider agreements and reports.</p>	x				
8MVI-AEVI-2.2	<p>Solution must have the ability to support visualization of current vaccine inventory.</p> <p>STC ONE® Inventory Management provides the ability to support visualization of current vaccine</p>	x				

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Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	inventory. Users can view inventory using Search/Add Inventory or Reconciliation. In addition, the Inventory Management Dashboard shows high level information on inventory.					
8MVI-AEVI-2.3	<p>Solution must have the ability to edit inventory funding source at the lot level.</p> <p>STC ONE® has the ability to edit inventory funding source at the lot level. Authorized users can edit funding source using the Search/Add Inventory function which allows for inventory search and editing.</p>	x				
8MVI-AEVI-2.4	<p>Solution must have the ability to edit inventory funding source at the vaccine level.</p> <p>STC ONE® has the ability to edit inventory funding source at the vaccine level. All vaccine inventory is required to be designated as public or private. Jurisdictions may designate other funding sources as needed.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
8MVI-AEVI-2.5	<p>Solution must have the ability to add vaccine information to inventory.</p> <p>STC ONE® has the ability to add vaccine information to inventory. Search/Add Inventory allows users to manually add vaccine information. Vaccines can also be added to the inventory by receiving a vaccine order.</p>	x				
8MVI-AEVI-2.7	<p>Solution must have the ability to view current inventory list by facility.</p> <p>STC ONE® has the ability to view current inventory list by facility using the Inventory Management reconciliation screen.</p>	x				
8MVI-AEVI-2.8	<p>Solution must have the ability to view current inventory list by organization.</p> <p>STC ONE® has the ability to view current inventory list by organization using the Inventory Management reconciliation screen.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
8MVI-AEVI-2.9	<p>Solution must have the ability for jurisdictional admin to edit organization/facility inventory.</p> <p>STC ONE® has the ability for jurisdictional admin to edit organization/facility inventory using the Inventory Management reconciliation screen.</p>	x				
8MVI-AEVI-2.10	<p>Solution must have the ability to borrow vaccine from lots belonging to one funding source to lots belonging to another funding source.</p> <p>STC ONE® has the ability to borrow vaccine from lots belonging to one funding source to lots belonging to another funding source. Vaccine borrowing can be documented through reconciliation or the Inventory Search/Add screen.</p>	x				
8MVI-AEVI-2.11	<p>Solution must have the ability to reclassify funding source of borrowed vaccine from private to public or vice versa for replacement cases.</p>	x				

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Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® has the ability to reclassify funding source of borrowed vaccine from private to public or vice versa for replacement cases. Funding source can be reclassified in the Inventory Search/Add Screen when borrowing occurs.					
8MVI-AEVI-2.12	<p>Solution must have the ability to assign sites to other sites, where the parent site can view inventory status, recent ordering, and usage of the sub assigned sites.</p> <p>STC ONE® allows users to be assigned at the organization level (parent) for them to have access to inventory, ordering and other information for all child facilities.</p>	x				
8MVI-AEVI-2.13	<p>Solution must have the ability to handle fund type split ordering.</p> <p>STC ONE® contains functionality to appropriately handle fund type split which includes indicators</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	in inventory management as well as the ability to generate the fund type split file.					
8MVI-AEVI-2.14	<p>Solution must have the ability to view storage capability.</p> <p>STC ONE® Cold Storage provides the ability to view storage capability. Authorized users can add and edit cold storage units (refrigerators and freezers) and upload temperature logs.</p>	x				
8MVI-AEVI-2.15	<p>Solution must have the ability to document vaccine storage and handling events such as temperature excursions.</p> <p>STC ONE® has the ability to document vaccine storage and handling events such as temperature excursions. In STC ONE® vaccine can be adjusted to reflect the outcome of a temperature excursion and can also be reconciled using the specific reason associated with the temperature excursion.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
8MVI-AEVI-2.16	<p>Solution must have the ability to store storage capability.</p> <p>STC ONE® Cold Storage has the ability to store storage capability. Authorized users can add and edit multiple cold storage units (refrigerators and freezers) and specify type.</p>	x				
8MVI-VO-3.1 (Vaccine Ordering)	<p>Solution must have the ability for rule-based logic to recommend vaccine order quantity.</p> <p>STC ONE® has the ability for rule-based logic to recommend vaccine order quantity. This algorithm can be set by jurisdictional admin in Administration Settings.</p>	x				
8MVI-VO-3.3	<p>Solution must have the ability to pre-populate order with recommended quantities based on inventory, doses administered and reported to IIS.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® allows the user creating the order to enter and edit the order quantity. To ensure that all relevant information is reviewed prior to completing the order the Doses Requested is not pre-populated. Instead, the order screen shows the Doses Administered and Doses on Hand so the user can determine what quantity is needed. Additional enhancements to this functionality can be provided.					
8MVI-VO-3.4	<p>Solution must have the ability to edit pre-populated order quantity.</p> <p>STC ONE® allows the user creating the order to enter and edit the order quantity. To ensure that all relevant information is reviewed prior to completing the order the Doses Requested is not pre-populated. Instead, the order screen shows the Doses Administered and Doses on Hand so the user can determine what quantity is needed. Additional enhancements to this functionality can be provided.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
8MVI-VO-3.5	<p>Solution must have the ability to order vaccines.</p> <p>STC ONE® Inventory Management has the ability to order vaccines. In STC ONE® users can create vaccine orders within the application for jurisdictional admin review.</p>	x				
8MVI-VO-3.6	<p>Solution must have the ability for jurisdictional admin to activate vaccines available for ordering.</p> <p>STC ONE® has the ability for jurisdictional admin to activate vaccines available for ordering. Jurisdictional admin can define vaccine order sets and apply the order sets to specific organizations and facilities.</p>	x				
8MVI-VO-3.7	<p>Solution must have the ability for jurisdictional admin to inactivate vaccines available for ordering.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® has the ability for jurisdictional admin to inactivate vaccines available for ordering. This can be done in vaccine settings.					
8MVI-VO-3.8	<p>Solution must have the ability to order publicly purchased vaccines.</p> <p>STC ONE® has the ability to order publicly purchased vaccines. This permission is granted to an organization or facility on the Maintenance page.</p>	x				
8MVI-VO-3.10	<p>Solution must have the ability to update delivery hours to receive shipments.</p> <p>STC ONE® has the ability to update delivery hours to receive shipments. This can take place during the order process and is included in the ordering workflow.</p>	x				
8MVI-VO-3.11	Solution must have the ability to enter a reason for vaccine orders outside the recommended order quantity.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® has the ability to enter a reason for vaccine orders outside the recommended order quantity. STC ONE® allows for an order exception where a provider can specify the reason for an order outside the order threshold.					
8MVI-VO-3.12	<p>Solution must have the ability to search and view past vaccine orders by facility within a specified timeframe.</p> <p>STC ONE® has the ability to search and view past vaccine orders by facility within a specified timeframe. The Search History under Orders & Returns allows for search by submission date, receipt date, approval date or denial date.</p>	x				
8MVI-VO-3.13	Solution must have the ability to verify contact information during each order without leaving ordering workflow.	x				

A	B	C				
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	STC ONE® has the ability to verify contact information during each order without leaving ordering workflow.					
8MVI-VO-3.14	<p>Solution must have the ability to update contact information during each order without leaving ordering workflow.</p> <p>STC ONE® has the ability to update contact information during each order without leaving ordering workflow.</p>	x				
8MVI-VO-3.15	<p>Solution must have the ability to save an unsubmitted order.</p> <p>STC ONE® has the ability to save an unsubmitted order. Once an order is created the user may select Save or Submit.</p>	x				
8MVI-VO-3.16	Solution must have the ability to update organization/facility contact information before submitting a vaccine order.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® has the ability to update organization/facility contact information before submitting a vaccine order. This can be done during each order without leaving the ordering workflow.					
8MVI-VO-3.17	<p>Solution must have the ability to cancel unsubmitted or unprocessed vaccine orders.</p> <p>STC ONE® has the ability to cancel unsubmitted or unprocessed vaccine orders. A previously saved order can be removed as needed.</p>	x				
8MVI-VO-3.18	<p>Solution must have the ability to edit unsubmitted or unprocessed vaccine orders.</p> <p>STC ONE® has the ability to edit unsubmitted or unprocessed vaccine orders. A previously saved order can be opened and edited as needed.</p>	x				
8MVI-VO-3.19	Solution must have the ability to save an unsubmitted order after rejection.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® Inventory Management allows an order to be saved prior to submission. An order, once rejected, cannot be resubmitted. A new order must be created.					
8MVI-VO-3.20	<p>Solution must have the ability to verify order information before order submitted.</p> <p>STC ONE® has the ability to verify order information before the order is submitted. All vaccine order information including shipping information is viewable as the user is creating the order.</p>	x				
8MVI-VO-3.21	<p>Solution must have the ability for jurisdictional admin to reject a vaccine order.</p> <p>STC ONE® has the ability for jurisdictional admin to reject a vaccine order. A State Approver can review orders in the Approve Order functionality and reject or approve orders.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
8MVI-VO-3.22	<p>Solution must have the ability for jurisdictional admin to select a reason code when rejecting an order.</p> <p>STC ONE® has the ability for jurisdictional admin to select a reason code when rejecting an order. A reason code is required any time an order is rejected.</p>	x				
8MVI-VO-3.23	<p>Solution must have the ability to edit an order after rejection.</p> <p>STC ONE® Inventory Management allows users to resubmit a new order after it has been rejected.</p>	x				
8MVI-VO-3.24	<p>Solution must have the ability to resubmit an order after rejection.</p> <p>STC ONE® Inventory Management allows users to resubmit a new order after it has been rejected.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
8MVI-VO-3.25	<p>Solution must have the ability to electronically notify the facility of a rejected order.</p> <p>STC ONE® has the ability to electronically notify the facility of a rejected order by use of an alert that displays on the Inventory Management dashboard.</p>	x				
8MVI-VO-3.26	<p>Solution must have the ability to track the shipping status of orders.</p> <p>STC ONE® has the ability to track the shipping status of orders. The vaccine order status will reflect when the order has been exported to VTrckS as well as when the shipping log has been updated. The tracking number will also display in the vaccine order.</p>	x				
8MVI-VO-3.31	<p>Solution must have the ability to search for past vaccine returns within a specified timeframe.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® has the ability to search for past vaccine returns within a specified timeframe. Returns can be searched using Search History which allows for search by Submit Date, Receipt Date, Approval Date or Denial Date.					
8MVI-VO-3.32	<p>Solution must have the ability to view past vaccine returns within a specified time frame.</p> <p>STC ONE® has the ability to view past vaccine returns within a specified time frame. Returns can be searched using Search History which allows for search by Submit Date, Receipt Date, Approval Date or Denial Date.</p>	x				
8MVI-VO-3.33	<p>Solution must have the ability to pre-book vaccine orders.</p> <p>STC ONE® has the ability to pre-book vaccine orders. States that have the Prebooking feature enabled can collect orders from providers and import spreadsheet files to automatically create</p>	x				

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Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	the orders for the vaccines in Inventory Management.					
8MVI-VO-3.34	<p>Solution must have the ability for jurisdictional admin to allocate vaccine inventory per user defined parameters.</p> <p>STC ONE® has the ability for jurisdictional admin to allocate vaccine inventory per user defined parameters. The Prebooking Percentage Allocation page allows authorized users to set the percentage used for calculating the allocation during the prebooking approval process.</p>	x				
8MVI-VO-3.35	<p>Solution must have the ability to activate vaccine ordering functionality for all designated organizations/facilities during a public health emergency.</p> <p>STC ONE® has the ability to activate vaccine ordering functionality for all designated organizations/facilities during a public health</p>	x				

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	emergency. Order Management allows admin to assign an order set to multiple providers at once.					
8MVI-VO-3.36	<p>Solution must have the ability for jurisdictional admin to create order sets.</p> <p>STC ONE® has the ability for jurisdictional admin to create order sets and make them available to all or specified organizations/facilities. Admins may create order sets under Order Management.</p>	x				
8MVI-VO-3.37	<p>Solution must have the ability to upload vaccine orders to VTRCKS.</p> <p>STC ONE® allows authorized users to generate the inventory, master provider, order and returns files for import into VTrckS according to CDC specifications.</p>	x				
8MVI-RAO-4.1 (Review/Approve Order)	Solution must have the ability for jurisdictional admin to review order.	x				

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	STC ONE® has the ability for jurisdictional admin to review orders. The Approvals & Management menu category and links display for users with local or state order approver permissions. This is where orders can be reviewed.					
8MVI-RAO-4.3	<p>Solution must have the ability for jurisdictional admin to approve order.</p> <p>STC ONE® has the ability for jurisdictional admin to approve orders. The Approvals & Management menu category and links display for users with local or state order approver permissions.</p>	x				
8MVI-RAO-4.4	<p>Solution must have the ability for jurisdictional admin to adjust order.</p> <p>STC ONE® has the ability for jurisdictional admin to adjust orders. In STC ONE® in order to retain the original request, the order approver cannot change the Order Quantity but instead adjusts the Quantity Approved field.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
8MVI-RAO-4.5	<p>Solution must have the ability for jurisdictional admin to electronically accept VFC vaccine into inventory.</p> <p>STC ONE® has the ability for jurisdictional admin to electronically accept VFC vaccine into inventory. When the order is received it automatically populates the inventory.</p>	x				
8MVI-RAO-4.6	<p>Solution must have the ability to accept each vaccine product in the IIS after shipment is received.</p> <p>STC ONE® has the ability to accept each vaccine product in the IIS after shipment is received. Orders can be accepted by vaccine or by the order as a whole.</p>	x				
8MVI-VDD-5.1 (Vaccine Dose Decrementing)	Solution must have the ability to automatically decrement vaccine doses from inventory when matched vaccine doses are reported as administered	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® has the ability to automatically decrement vaccine doses from inventory when matched vaccine doses are reported as administered. As long as vaccination information matches, and the appropriate lot is selected the inventory will decrement.					
8MVI-VDD-5.2	<p>Solution must have the ability to automatically match vaccine doses reported as administered to vaccine doses in inventory to facilitate dose decrementing.</p> <p>STC ONE® has the ability to automatically match vaccine doses reported as administered to vaccine doses in inventory to facilitate dose decrementing. As long as vaccination information matches, and the appropriate lot is selected the inventory will decrement.</p>	x				
8MVI-VDD-5.3	Solution must have the ability to automatically decrement vaccine inventory in real-time via HL7 messaging.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® has the ability to automatically decrement vaccine inventory in real-time via HL7 messaging. As long as vaccination information matches, the inventory will decrement.					
8MVI-VDD-5.4	<p>The Solution must have the ability to automatically decrement vaccine inventory in real-time via UI data entry.</p> <p>STC ONE® has the ability to automatically decrement vaccine inventory in real-time via UI data entry. As long as vaccination information matches, and the appropriate lot is selected the inventory will decrement.</p>	x				
8VMI-VIR-6.1 (Vaccine Inventory Reconciliation)	<p>Solution must have the ability to reconcile vaccine doses currently in physical storage with vaccine doses reflected in system inventory.</p> <p>STC ONE® has the ability to reconcile vaccine doses currently in physical storage with vaccine</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	doses reflected in system inventory. Vaccine Reconciliation allows authorized users to view inventory, print inventory and reconcile with physical inventory.					
8VMI-VIR-6.2	<p>Solution must have the ability to document reductions in vaccine inventory due to outgoing vaccine transfers.</p> <p>STC ONE® has the ability to document reductions in vaccine inventory due to outgoing vaccine transfers. Users can create a transfer to another provider. The State has the option to review and approve these orders. When the transaction is approved and received by the receiving provider both inventories are updated.</p>	x				
8VMI-VIR-6.3	<p>Solution must have the ability to electronically document reductions in vaccine inventory due to outgoing vaccine wastage.</p> <p>STC ONE® has the ability to electronically document reductions in vaccine inventory due to</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	outgoing vaccine wastage. Users can reconcile their inventory using several wastage reasons.					
8VMI-VIR-6.4	<p>Solution must have the ability to enter current number of vaccine doses on-hand in physical storage.</p> <p>STC ONE® has the ability to enter current number of vaccine doses on-hand in physical storage. Inventory Reconciliation is required prior to submission of an order to ensure current inventory on hand is updated.</p>	x				
8VMI-VIR-6.5	<p>Solution must have the ability to track and manage doses for vaccines: on hand, administered, wasted, expired, ordered, recalled, returned, transferred.</p> <p>STC ONE® has the ability to track and manage doses for vaccines: on hand, administered, wasted, expired, ordered, recalled, returned, and transferred.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
8VMI-VIR-6.6	<p>Solution must have the ability to enable removal of recalled lots from active inventory.</p> <p>STC ONE® has the ability to enable removal of recalled lots from active inventory.</p>	x				
8VMI-VIR-6.8	<p>Solution must have the ability to account for VTRCKS vaccine orders in inventory.</p> <p>STC ONE® Inventory Management allows state administrators to import VTrckS shipping files that will then populate existing orders.</p>	x				
8VMI-VIR-6.10	<p>Solution must have the ability to support inventory for non-vaccines, such as therapeutics (antivirals) and ancillary items by a state administrative user using NDC or other unique identifiers and descriptions.</p> <p>STC ONE® Inventory Management can support inventory for non-vaccines using a variety of unique identifiers and configurations.</p>		x			

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
8VMI-VIR-6.11	<p>Solution must have the ability to handle variable yield vaccines: adjust automatic decrement formula for vaccine inventory to handle variable yield scenarios such as when vials hold more doses than labeled or when the administration route adjusts yield from a vial as seen in COVID and MPOX.</p> <p>STC ONE® is able to handle variable yield vaccines which can be adjusted easily in Inventory Management.</p>	x				
8MVI-VT-7.2 (Vaccine Transfers)	<p>Solution must have the ability for jurisdictional admin to initiate VFC vaccine transfers.</p> <p>STC ONE® has the ability for jurisdictional admin to initiate VFC vaccine transfers. Jurisdictional admin can create vaccine transfers for any facility or organization.</p>	x				
8MVI-VT-7.4	Solution must have the ability for jurisdictional admin to reject vaccine transfers.	x				

A	B	C				
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	STC ONE® has the ability for jurisdictional admin to reject vaccine transfers. If enabled, all transfers may require approval by jurisdictional admin.					
8MVI-VT-7.5	<p>Solution must have the ability to search and view past vaccine transfers within a specified timeframe with detail on transferring and receiving facilities.</p> <p>STC ONE® has the ability to search and view past vaccine transfers within a specified timeframe. The result includes information on the sending and receiving facilities. Search History allows for past transfers to be searched for and viewed.</p>	x				
8MVI-VW-8.1 (Vaccine Wastage)	<p>Solution must have the ability to manage vaccine wastage.</p> <p>STC ONE® has the ability to manage vaccine wastage. The Vaccine Wastage Overview graph</p>	x				

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Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	that displays on the VOMS dashboard allows authorized users to easily view and keep track of vaccine wastage, as well as assess progress in reducing the facility's vaccine wastage. Expired, wasted, and spoiled vaccines are shown. Wastage can be reconciled, viewed and exported.					
8MVI-VW-8.2	<p>Solution must have the ability to determine the total cost of wasted vaccine by user-defined parameters.</p> <p>STC ONE® has the ability to determine the total cost of wasted vaccine by user-defined parameters. This can be calculated using the Inventory Transaction Report.</p>	x				
8MVI-VW-8.3	<p>Solution must have the ability for jurisdictional admin to modify inventory quantity to reflect wastage.</p> <p>STC ONE® has the ability for jurisdictional admin to modify inventory quantity to reflect wastage.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	The Inventory Management Reconciliation screen allows for inventory to be reduced by selecting an appropriate wastage reason.					
8MVI-VW-8.4	<p>Solution must have the ability for jurisdictional admin to assign reason for inventory wastage.</p> <p>STC ONE® has the ability for a jurisdictional admin to indicate vaccine wastage. Users can reconcile inventory using a variety of wastage reasons.</p>	x				
8MVI-VW-8.5	<p>Solution must have the ability to determine the total doses of vaccine wasted by user-defined parameters.</p> <p>STC ONE® has the ability to determine the total doses of vaccine wasted by user-defined parameters. This is provided in the Wastage Report. Users can reconcile inventory using a variety of wastage reasons.</p>	x				

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Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
8MVI-VE-9.1 (Vaccine Expiration)	<p>Solution must have the ability to manage vaccine expiration.</p> <p>STC ONE® has the ability to manage vaccine expiration. Inventory displays visual indicators when a vaccine is near expiration or has expired. In addition, inventory can be reconciled as expired.</p>	x				
8MVI-VE-9.4	<p>Solution must have the ability for jurisdictional admin to modify inventory quantity removed from available inventory.</p> <p>STC ONE® has the ability for jurisdictional admin to modify inventory quantity removed from available inventory. This can be achieved in Reconciliation or Search/Add Inventory.</p>	x				
	Data Access Requirements					
9DA-SR-1.1 (Standard Reports)	Solution must have the ability to generate a page-per-patient report that includes history and forecast.	x				

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	<p>STC ONE® has the ability to generate a page-per-patient report that includes history and forecast. The patient record will display the forecast as well as history. In addition, the School Module will allow for multiple records to be printed that include history and forecast on a page per patient report.</p>					
9DA-SR-1.2	<p>Solution must have the ability to generate a data quality report displaying information on the quality of submitted data.</p> <p>STC ONE® has the ability to generate a data quality report displaying information on the quality of submitted data. The STC ONE® Patient and Vaccination Data Quality reports will produce a report to determine the completeness of data in the IIS by listing the number of desired fields missing, sortable by field for specific time period.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
9DA-SR-1.3	<p>Solution must have the ability to generate a report that provides information on patient and vaccine matching and deduplication.</p> <p>STC ONE® has the ability to generate a report that provides information on patient and vaccine matching and deduplication. The Merge History Report allows for users to define search parameters such as Merge Type, organization, or date range.</p>	x				
9DA-SR-1.4	<p>Solution must have the ability to generate a report that provides information on data quality of data at rest.</p> <p>STC ONE® has the ability to generate a report that provides information on data quality of data at rest. The STC ONE® Patient and Vaccination Data Quality reports will provide this information. Additional reports can be produced by our Analytics team.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
9DA-SR-1.5	<p>Solution must have the ability to generate data quality reports for HL7 submissions.</p> <p>STC ONE® has the ability to generate data quality reports for HL7 submissions. The STC ONE® Provider Detail Error Report will provide this information.</p>	x				
9DA-SR-1.6	<p>Solution must have the ability to generate VFC reports.</p> <p>STC ONE® has the ability to generate VFC reports. The STC ONE® Vaccine for Children Report includes this information.</p>	x				
9DA-SR-1.7	<p>Solution must have the ability to generate a practice-level patient data report for VFC enrolled sites.</p> <p>STC ONE® has the ability to generate VFC provider practice profiles. The VFC Profile report will provide this information, in addition, this</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	information is automatically calculated for a provider during re-enrollment.					
9DA-SR-1.8	<p>Solution must have the ability to generate a dose administered report to support accountability for publicly-purchased vaccine.</p> <p>STC ONE® has the ability to generate a doses administered report for VFC enrolled sites and private organizations.</p>	x				
9DA-SR-1.9	<p>Solution must have the ability to generate a dose administered report for VFC enrolled sites.</p> <p>STC ONE® has the ability to generate a doses administered report for VFC enrolled sites and private organizations. The Vaccine Administered Report, Patient Detail and several others can provide this information in a variety of formats.</p>	x				
9DA-SR-1.10	Solution must have the ability to generate VFC provider practice profiles.	x				

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	STC ONE® can generate VFC provider practice profiles. The VFC Profile report will provide this information, in addition, this information is automatically calculated for a provider during re-enrollment.					
9DA-SR-1.11	<p>Solution must have the ability to generate a report showing the total number of select vaccines administered each month by facility.</p> <p>STC ONE® Vaccination Totals report can be run for select facilities for each month as needed.</p>	x				
9DA-SR-1.12	<p>Solution must have the ability to generate a report displaying a change in vaccine administration patterns over a selected timeframe.</p> <p>A report displaying a change in vaccine administration patterns over time cannot currently be generated within STC ONE®; however, this requirement can be met through the STC Analytics team who can deliver this type</p>				x	

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Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	of report based on the frequency and criteria established by MDHHS. This functionality is on the roadmap for future development.					
9DA-SR-1.13	<p>Solution must have the ability to generate duplicate/merge record reports.</p> <p>STC ONE® has the ability to generate duplicate/merge record reports. The STC ONE® Merge History Report provides information for any records automatically or manually merged. The report provides the Patient ID, Merge Reason, User Name, Time Stamp and Merged Patient and Eliminated Patient information.</p>	x				
9DA-SR-1.14	<p>Solution must have the ability to generate reports about IIS users.</p> <p>STC ONE® has the ability to generate reports about IIS users. STC ONE® has a section specifically for User Management that includes multiple reports. User reports include Users Logged In, User Activity Tracking, Bad Login</p>	x				

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Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	Report, and the User Report (user defined criteria).					
9DA-SR-1.15	<p>Solution must have the ability to generate vaccine management reports.</p> <p>STC ONE® has the ability to generate vaccine management reports. The Vaccine Management section of STC ONE® Reports contains a variety of reports that can be run by user-defined criteria such as the Inventory Transaction Report, Order History Comparison and Aggregate Wastage. There are many other vaccine management reports available for use.</p>	x				
9DA-SR-1.16	<p>Solution must have the ability to generate a report listing/identifying patient who received a recalled vaccine.</p> <p>STC ONE® has the ability to generate a report listing/identifying patient who received a recalled vaccine. The STC ONE® Lot Usage and Recall Report will provide this information and allows</p>	x				

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Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	the user to select specific lots, enter date range, and select a specific Organization and Facility.					
9DA-SR-1.17	<p>Solution must have the ability to generate a report of patients declining or refusing vaccinations.</p> <p>STC ONE® has the ability to generate a report of patients declining or refusing vaccinations. The STC ONE® Vaccination Deferrals Report will provide this information. The Vaccination Deferrals Report can be run with or without detail. The Detailed version will specify patients, the vaccine, the dose, date, and organization.</p>	x				
9DA-SR-1.19	<p>Solution must have the ability to generate VFC accountability reports for managing VFC inventories and orders.</p> <p>STC ONE® has the ability to generate VFC accountability reports for managing VFC inventories and orders. These reports include but are not limited to the VFC Accountability Log,</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	Inventory Transaction Report, Monthly Inventory Reconciliation Audit Report and more.					
9DA-SR-1.20	<p>Solution must have the ability to generate vaccine inventory reports.</p> <p>STC ONE® has the ability to generate vaccine inventory reports. Vaccine Management reports on inventory include but are not limited to: Inventory Transaction Report, Inventory Adjustment Report, Inventory Submission Report and more.</p>	x				
9DA-SR-1.21	<p>Solution must have the ability to generate a report that provides/displays information about current inventory on hand.</p> <p>STC ONE® has the ability to generate a report that provides/displays information about current inventory on hand. STC ONE® Inventory Management allows for inventory to be printed</p>	x				

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Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	from the reconciliation screen and is also displayed on the Inventory Dashboard.					
9DA-SR-1.22	<p>Solution must have the ability to generate a report that provides/displays information about inventory transactions.</p> <p>STC ONE® has the ability to generate a report that provides/displays information about inventory transactions. The STC ONE® Inventory Transaction Report will provide detailed information about every dose that has been in the system.</p>	x				
9DA-SR-1.23	<p>Solution must have the ability to generate report(s) that display information about vaccine order history.</p> <p>STC ONE® has the ability to generate report(s) that display information about vaccine order history. The STC ONE® Order History Comparison Report will provide this information.</p>	x				

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Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
9DA-SR-1.24	<p>Solution must have the ability to generate report(s) that display information about vaccine wastage and returns.</p> <p>STC ONE® has the ability to generate report(s) that display information about vaccine wastage and returns. Reports include Inventory Transaction and Aggregate Wastage.</p>	x				
9DA-SR-1.25	<p>Solution must have the ability to generate a report that displays the vaccine orders submitted to VTrckS within a specific timeframe.</p> <p>STC ONE® Reports allows users to generate reports that display vaccine orders submitted to VTrckS within a specific time frame.</p>	x				
9DA-SR-1.26	<p>Solution must have the ability to generate a report providing information about influenza pre-book orders.</p>			x		

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	STC ONE® can be customized to meet this requirement. The STChealth Analytics team can currently generate a report providing information about influenza pre-book orders. This report can be fully customized to jurisdiction-specific needs and delivered at any frequency requested.					
9DA-SR-1.27	<p>Solution must have the ability to query vaccine ordering patterns over a selected timeframe to indicate trends.</p> <p>STC ONE® Reports has the ability to query vaccine ordering patterns over a selected timeframe to indicate trends. The Order History Comparison report can provide this information.</p>	x				
9DA-SR-1.28	<p>Solution must have the ability to query vaccine usage (administrations and wastages) patterns over a selected timeframe to indicate trends.</p> <p>STC ONE® Reports has the ability to query vaccine usage patterns over a selected</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	timeframe to indicate trends for a single, multiple, or all organizations/facilities.					
9DA-SR-1.29	<p>Solution must have the ability to generate reports that provide information about organizations and facilities.</p> <p>STC ONE® has the ability to generate reports that provide information about organizations and facilities. There are several reports that can provide this information. For example, the Provider contact and Physician/Vaccination Detail.</p>	x				
9DA-SR-1.30	<p>Solution must have the ability for jurisdictional admin to generate report that lists immunizing facilities.</p> <p>STC ONE® has the ability for jurisdictional admin to generate a report that lists immunizing facilities at the state level. The Provider Contact</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	Report can be run without limitations or with user defined criteria to obtain this information.					
9DA-SR-1.31	<p>Solution must have the ability for jurisdictional admin to generate a report that provides information on organizational/facility enrollment.</p> <p>STC ONE® has the ability for jurisdictional admin to generate a report that provides information on organizational/facility enrollment. STC ONE® includes a Pandemic Enrollment Report, as well as a management view of provider enrollment status.</p>	x				
9DA-SR-1.32	<p>Solution must have the ability for jurisdictional admin to access utilization of report/usage statistics.</p> <p>STChealth provides utilization/usage reports to customers during account management reviews. This can be ran as needed in STC ONE® Reports.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
9DA-SR-1.33	<p>Solution must have the ability to generate reports that provide information about students and their immunization histories for school compliance.</p> <p>The STC ONE® School Nurse Module has the ability to generate reports that provide information about students and their immunization histories for school compliance. The School Module contains numerous reports to support school users with verifying immunization status such as the Immunization Detail Action Report, Action Report Notice, Kindergarten Survey, Patient Detail and more.</p>	x				
9DA-SR-1.34	<p>Solution must have the ability to generate report of student exemptions by type (medical, religious)</p> <p>The STC ONE® School Nurse Module has the ability to generate report of student exemptions by type (medical, religious). The STC ONE®</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	School Immunization Report and Patient Detail Report will provide this information.					
9DA-SR-1.35	<p>Solution must have the ability to generate a record of students' immunizations for school purposes.</p> <p>The STC ONE® School Nurse Module has the ability to generate a record of students' immunizations for school purposes. There are several reports that can be run by user-defined criteria to meet any need.</p>	x				
9DA-SR-1.36	<p>Solution must have the ability to generate exclusion letters stating which vaccine(s) a student needs to come into compliance with requirements and be permitted to attend school.</p> <p>The STC ONE® School Nurse Module has the ability to generate exclusion letters stating which vaccine(s) a student needs to come into compliance with requirements and be permitted to attend school. The Action Report Notice/Letter</p>	x				

A	B	C				
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	will generate letters with content that is defined by the jurisdiction.					
9DA-SR-1.37	<p>Solution must have the ability to generate reports for individuals vaccinated during a mass vaccination event.</p> <p>STC ONE® has the ability to generate reports for individuals vaccinated during a mass vaccination event. In STC ONE® certain reports can be run based on the campaign and tier in order to generate this information.</p>	x				
9DA-SR-1.38	<p>Solution must have the ability to generate doses administered reports for priority groups during a public health emergency.</p> <p>STC ONE® has the ability to generate doses administered reports for priority groups during a public health emergency. In STC ONE® certain reports can be run based on the campaign and tier in order to generate this information.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
9DA-SR-1.39	<p>Solution must have the ability to generate a report that provides information about the status of the system in terms of total entities.</p> <p>STC ONE® has the ability to generate a report that provides information about the status of the system in terms of total entities. The Registry Statistics report provides this information.</p>	x				
9DA-AHQR-2.1 (Ad Hoc Queries & Reports)	<p>Solution must have the ability to generate queries and reports based on user-defined parameters.</p> <p>STC ONE® has the ability to generate queries and reports based on user-defined parameters. The STC ONE® core reports module contains user driver menu options. Additional functionality that will be available before contract will satisfy an ad hoc query request by allowing a user to configure a cohort and report output.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
9DA-AHQR-2.2	<p>Solution must have the ability to schedule an ad hoc query to run on a predetermined interval (i.e., daily, weekly, monthly, quarterly or annual basis).</p> <p>STC ONE® has the ability to schedule an ad hoc query to run on a predetermined interval. STC ONE® contains stock reports which can be scheduled to run once or on a reoccurring basis.</p>	x				
9DA-AHQR-2.3	<p>Solution must have the ability to generate reports with a user-defined report format.</p> <p>STC ONE® has the ability to generate reports with a user-defined report format. Reports can be generated as a PDF or exported as a CSV file. In addition, Self Service Reporting, which will be available precontract, will further satisfy this requirement.</p>	x				
9DA-AHQR-2.4	<p>Solution must have the ability to generate reports across geographic hierarchy levels.</p>	x				

A	B	C				
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	STC ONE® has the ability to generate reports across geographic hierarchy levels. The STC ONE® core reports module contains user driven menu options including options for Organization, Facility, Zip Code, County. In addition, these reports could be generated by our Analytics team.					
9DA-AHQR-2.5	<p>Solution must have the ability to generate data to inform the public via website dashboards or similar means.</p> <p>STC ONE® has the ability to generate data to inform the public in a variety of ways. The STChealth Data Analytics team also has the ability to generate more customized and website ready dashboards if necessary.</p>	x				
9DA-AHQR-2.6	<p>Solution must have the ability to store saved report templates.</p> <p>In STC ONE® templates can be stored for Reminder Recall Reports. Templates can be</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	created, saved, modified and inactivated as needed.					
9DA-AHQR-2.7	<p>Solution must have the ability to modify saved report templates.</p> <p>In STC ONE® templates can be stored for Reminder Recall Reports. Templates can be created, saved, modified and inactivated as needed.</p>	x				
9DA-AHQR-2.8	<p>Solution must have the ability to inactivate (archive) saved report templates.</p> <p>In STC ONE® templates can be stored for Reminder Recall Reports. Templates can be created, saved, modified and inactivated as needed.</p>	x				
9DA-AHQR-2.9	<p>Solution must have the ability to modify a query.</p> <p>STC ONE® has the ability to modify a query. Standard Reports contain a variety of ways that a</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	user can modify a query. In addition, functionality will be available pre contract that will provide enhanced capability around this requirement.					
9DA-AHQR-2.10	<p>Solution must have the ability to delete a query.</p> <p>STC ONE® Reports will allow users to a query. This functionality will be available precontract.</p>	x				
9DA-AHQR-2.11	<p>Solution must have the ability to save an ad hoc query.</p> <p>STC ONE® does not have the ability to save an ad hoc query. This functionality will be available precontract.</p>	x				
9DA-PER-3.1 (Print/Export Reports)	<p>Solution must have the ability to export IIS data for use in other systems.</p> <p>STC ONE® has the ability to export IIS data for use in other systems. Authorized users can create export profiles to identify data that is desired for</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	export. The DTT Export allows the Profile to be applied immediately or scheduled.					
9DA-PER-3.2	<p>Solution must have the ability to export data in user-defined formats including, but not limited to, .csv, .xlsx, and .pdf.</p> <p>STC ONE® has the ability to export data in user-defined formats. The STC ONE® DTT functionality allows an authorized user to create export profiles to identify data that is desired for export in a variety of formats.</p>	x				
9DA-PER-3.3	<p>Solution must have the ability to export aggregate level de-identified data.</p> <p>STC ONE® has the ability to export aggregate level de-identified data. There are a variety of reports that can be exported or printed that contain aggregate level de-identified data.</p>	x				
9DA-PER-3.4	Solution must have the ability to export record level de-identified data.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® has the ability to export record level de-identified data. There are a variety of reports that can be exported or printed that contain record level de-identified data.					
9DA-PER-3.5	<p>Solution must have the ability to print reports.</p> <p>The STC ONE® has the ability to print reports. All reports can be printed as they can be generated as a PDF, or they can be exported as CSV.</p>	x				
9DA-CA-4.1 (Consumer Access)	<p>Solution must have the ability for authorized consumers to directly access their personal IIS data per jurisdictional policy.</p> <p>The STC ONE® consumer application, MyIR Mobile has the ability for authorized consumers to directly access their personal IIS data per jurisdictional policy. MyIR Mobile in partnership the State Health Department allows patients to review their immunization history, get reminders</p>	x				

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Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	for future immunizations, and even print their own official records.					
9DA-CA-4.2	<p>Solution must have the ability for authorized consumer to print and digitally export forecast.</p> <p>The STC ONE® consumer application, MyIR Mobile allows an authorized consumer to print and export their forecast.</p>	x				
9DA-CA-4.3	<p>Solution must have the ability for authorized consumer to print and export patient immunization record, with lead testing results and recommendations if applicable.</p> <p>The STC ONE® consumer application, MyIR Mobile has the ability for authorized consumer to print or export patient immunization record. Verified patients may easily print their immunization record from the application.</p>		x			

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Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
9DA-CA-4.4	<p>Solution must have the ability for authorized consumer to print or export an official immunization history, with lead testing results and recommendations if applicable.</p> <p>The STC ONE® consumer application, MyIR Mobile has the ability for authorized consumers to print an official immunization history from within the application without support from the jurisdiction.</p>		x			
9DA-CA-4.5	<p>Solution must have the ability for parent/guardian to print immunization records, with lead testing results and recommendations if applicable, specific to the blood lead level.</p> <p>The STC ONE® consumer application, MyIR Mobile has the ability for a parent/guardian to print an official immunization history with lead results from within the application.</p>		x			

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
9DA-CA-4.6	<p>Solution must have the ability for parent/guardian to print immunization forecast for their children.</p> <p>The STC ONE® consumer application, MyIR Mobile has the ability for a parent/guardian to print an immunization forecast for their children.</p>	x				
9DA-CA-4.7	<p>Solution must have the ability for authorized consumer to retrieve a verifiable digital vaccine credential without assistance from IIS or immunization program staff.</p> <p>The STC ONE® consumer application, MyIR Mobile has the ability for authorized consumer to retrieve a verifiable digital vaccine credential without assistance from IIS or immunization program staff. This is specifically met by the digital vaccine credentials such as the SMART Health Card and the COVID-19 scannable QR code.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
9DA-CA-4.11	<p>Solution must have the ability for authorized consumer to view patient immunization record.</p> <p>The STC ONE® consumer application, MyIR Mobile has the ability for authorized consumers to view their patient immunization record. Once the user is verified, they have access to all of their immunization information including forecast.</p>	x				
9DA-CA-4.15	<p>Solution must have the ability for patient/patient representative to opt out of reminder/recall notifications.</p> <p>STC ONE® Consumer Access allows users to interact with a chat bot, chat with a live agent or submit a request for assistance. These can all be configured to meet jurisdictional needs including the ability to request opt in or out of reminder recall.</p>	x				
9DA-CA-4.16	Solution must have the ability for patient/patient representative to opt out of reminder/recall	x				

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	<p>notifications for their children or those whom they serve as guardian.</p> <p>STC ONE® Consumer Access allows users to interact with a chat bot, chat with a live agent or submit a request for assistance. These can all be configured to meet jurisdictional needs including the ability to request opt in or out of reminder recall for themselves or for those they serve as guardians for.</p>					
	Nonfunctional (NF) Requirements					
10NF-P-TB-1.1 (Performance - Time Behavior)	<p>The Solution must support a responsive user interface.</p> <p>STC ONE® is able to support a responsive user interface. STC's always on, cloud environment supports responsive interactions and requests. This facilitates effective reporting and data ingestion.</p>	x				

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Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
10NF-P-TB-1.2	<p>Solution must support application launch, i.e., time between user initiation and application start, in less than 10 seconds.</p> <p>STC ONE® is able to support application launch, i.e., time between user initiation and application start, in less than 10 seconds.</p>	x				
10NF-P-TB-1.3	<p>Solution must support response to a user navigation action (e.g., mouse movement, keypresses, navigation) in less than 1 second.</p> <p>STC ONE® is able to support response to a user navigation action (e.g., mouse movement, keypresses, navigation) in less than 1 second.</p>	x				
10NF-P-TB-1.4	<p>Solution must support response to process submitted information via direct data entry in less than 4 seconds.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® is able to support response to process submitted information via direct data entry in less than 4 seconds.					
10NF-P-TB-1.5	<p>Solution must support generation of a standard, pre-configured report in less than 30 seconds.</p> <p>STC ONE® is able to support generation of a standard, pre-configured report in less than 30 seconds.</p>	x				
10NF-P-TB-1.6	<p>Solution must support responsive data exchange system interfaces.</p> <p>STC ONE® is able to support responsive data exchange system interfaces. STC's always on, cloud environment supports responsive interactions and requests. This facilitates effective reporting and data ingestion.</p>	x				
10NF-P-TB-1.7	Solution must support electronic response to a submitted HL7 message in 5 seconds or less, 95% of the time.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® is able to support electronic response to a submitted HL7 message in 5 seconds or less, 95% of the time.					
10NF-P-C-2.1 (Performance - Capacity)	<p>Solution must support up to 5,000 concurrent users of the user interface without performance degradation.</p> <p>STC ONE® is able to support unlimited concurrent users of the user interface without performance degradation. If performance degradation does occur, we are able to do additional scaling (push of a button).</p>	x				
10NF-P-C-2.2	<p>Solution must support multiple users viewing the same data at the same time.</p> <p>STC ONE® is able to support multiple users viewing the same data at the same time.</p>	x				

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Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
10NF-P-C-2.3	<p>Solution must support users using the same function at the same time without degrading IIS performance.</p> <p>STC ONE® is able to support users using the same function at the same time without degrading IIS performance.</p>	x				
10NF-P-C-2.4	<p>Solution must support efficient processing of HL7 messages without performance degradation, as per jurisdictional capacity needs.</p> <p>STC ONE® is able to support efficient processing of HL7 messages without performance degradation, as per jurisdictional capacity needs.</p>	x				
10NF-P-C-2.5	<p>Solution must support processing of up to 100 HL7 VXU messages per minute without performance degradation.</p> <p>STC ONE® is able to support efficient processing of 1 million daily HL7 messages without</p>	x				

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	performance degradation. This was greatly exceeded during the COVID-19 Pandemic.					
10NF-P-C-2.6	<p>Solution must support processing of 500 HL7 QBP messages per minute without performance degradation.</p> <p>STC ONE® is able to support processing of 500 HL7 messages per minute without performance degradation.</p>	x				
10NF-P-C-2.7	<p>Solution must support permanent storage of records as per jurisdictional policy.</p> <p>STC ONE® is able to support permanent storage of records as per jurisdictional policy. All data/documents are stored indefinitely.</p>	x				
10NF-P-C-2.8	Solution must support storage of unlimited number of organization records.	x				

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	STC ONE® is able to support storage of unlimited number of organization records.					
10NF-P-C-2.9	<p>Solution must support storage of unlimited number of user records.</p> <p>STC ONE® is able to support storage of unlimited number of user records.</p>	x				
10NF-P-C-2.10	<p>Solution must support storage of unlimited number of patient records.</p> <p>STC ONE® is able to support storage of unlimited number of patient records.</p>	x				
10NF-P-C-2.11	<p>Solution must support storage of unlimited number of patient immunization records.</p> <p>STC ONE® is able to support storage of unlimited number of patient immunization records.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
10NF-P-RU-3.1 (Performance - Resource Utilization)	<p>Solution must support resource-intensive tasks without degrading IIS performance.</p> <p>STC ONE® is able to support resource-intensive tasks without degrading IIS performance.</p>	x				
10NF-P-RU-3.2	<p>Solution must support user queries via the user interface without degrading IIS performance.</p> <p>STC ONE® is able to support user queries via the user interface without degrading IIS performance.</p>	x				
10NF-P-RU-3.3	<p>Solution must support generation of ad hoc reports without degrading IIS performance.</p> <p>STC ONE® is able to support generation of ad hoc reports without degrading IIS performance.</p>	x				
10NF-P-RU-3.4	<p>Solution must support data extracts without degrading IIS performance, including HEDIS reporting.</p>	x				

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	STC ONE® is able to support data extracts without degrading IIS performance including HEDIS reporting.					
10NF-U-A-4.1 (Usability - Accessibility)	<p>The Solution must meet the following: Create Accessible Software & Websites Section508.gov.</p> <p>STC ONE® meets 508 standards where possible given the legacy code. All modernization efforts incorporate 508 compliance as a core underlying principle and allow for greater levels of 508 compliance to be reached.</p>	x				
10NF-U-O-5.1 (Usability - Operability)	<p>The Solution must support best practices for web application session management (e.g., cookies, cache, etc) Per OWASP Web Security Testing Guide OWASP Foundation.</p> <p>STC ONE® is able to support best practices for web application session management (e.g.,</p>	x				

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	cookies, cache, etc.) as recommended by the Open Web Application Security Project (OWASP).					
10NF-U-O-5.2	<p>Solution must support the ability to execute Boolean searches.</p> <p>STC ONE® has the ability to execute Boolean searches. Boolean searches are leveraged in the code, not for users to select.</p>	x				
10NF-U-O-5.3	<p>Solution must support the ability to execute wildcard searches.</p> <p>STC ONE® has the ability to execute wildcard searches using the % character.</p>	x				
10NF-U-UEP-6.1 (Usability - User error protection)	<p>Solution must minimize data entry errors.</p> <p>STC ONE® includes validation checks for real time data entry users to minimize data entry errors.</p>	x				

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Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
10NF-U-UEP-6.2	<p>Solution must assist in entering data correctly via picklists, drop-down boxes, or other easy-to-use options such as predictive text.</p> <p>STC ONE® can assist in entering data correctly via picklists, drop-down boxes, or other easy-to-use options such as predictive text. Some of these pick lists are agency defined while others are vendor defined.</p>	x				
10NF-U-UEP-6.3	<p>Solution must indicate required fields for data entry.</p> <p>STC ONE® will indicate required fields for data entry by presenting required fields in red bold font. In addition, if a user attempts to save a record with required fields left blank, they will receive a warning that lists which specific fields must be completed.</p>	x				
10NF-U-UEP-6.4	Solution must ability to provide alert when required fields are left blank.	x				

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	STC ONE® has the ability to provide alerts when required fields are left blank.					
10NF-U-UEP-6.5	<p>Solution must support cross-field checks to ensure accuracy of information where dependencies exist (e.g., warning that a child patient may be receiving an adult vaccine).</p> <p>STC ONE® is able to support cross-field checks to ensure accuracy of information where dependencies exist (e.g., warning that a child patient may be receiving an adult vaccine). In STC ONE® there are multiple drop list scenarios where a secondary drop list will populate based on the selection of the first list. There are validation warnings throughout the data entry validation workflow.</p>	x				
10NF-U-UEP-6.7	Solution must support differentiation between warning messages (rework is recommended prior	x				

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	<p>to entry being continued) and error messages (error must be fixed prior to continuing).</p> <p>STC ONE® is able to support differentiation between warning messages (rework is recommended prior to entry being continued) and error messages (error must be fixed prior to continuing).</p>					
10NF-R-A-8.1 (Reliability - Availability)	<p>Solution must support availability of the system as per jurisdictional needs.</p> <p>STC ONE® follows a standard SLA outlining availability. Should the jurisdiction what greater availability a High Availability option is available.</p>	x				
10NF-R-A-8.2	<p>Solution must support access to the web application 99.9% of the time.</p> <p>STC ONE® is able to support access to the web application 99.9% of the time, with the High Availability SLA option.</p>	x				

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Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
10NF-R-A-8.3	<p>Solution support processing of and response to HL7 messages 99.9% of the time.</p> <p>STC ONE® is able to support processing of and response to HL7 messages 99.9% of the time.</p>	x				
10NF-R-R-9.1 (Reliability - Recoverability)	<p>Solution must have the ability to backup the IIS data as per jurisdictional policy.</p> <p>STC ONE® IIS data is backed up in accordance with jurisdictional policy. STC ONE® provides standardized backup and recovery procedures through the secure AWS environment.</p>	x				
10NF-R-R-9.2	<p>Solution must support redundancy of the IIS as per jurisdictional recovery plan.</p> <p>STC ONE® is able to support redundancy of the IIS as per jurisdictional recovery plan as there are various options.</p>	x				
10NF-R-R-9.3	Solution must support real-time failover.	x				

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	STC ONE® is able to support real-time failover. Although the STC ONE® Essentials package does not meet this, there are options available should the jurisdictional needs require this.					
10NF-R-R-9.4	<p>Solution must support the recovery of backed up data as needed.</p> <p>STChealth will support the recovery of backed up data as needed. Data backup schedules shall be maintained to ensure integrity of data and timely availability in accordance with the SLA.</p>	x				
10NF-R-R-9.5	<p>Contractor system backup must occur every 24hrs or less for critical data such as immunization records and transactions.</p> <p>STC's Recovery Time Objective (RTO), the duration of time in which service must be restored after a disaster, is 24 hours, contingent upon service provider availability.</p>	x				

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Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
10NF-R-R-9.6	<p>Contractor must support the restoration of IIS data after an outage or loss.</p> <p>STChealth will support the restoration of IIS data after an outage or loss in accordance with the SLA.</p>	x				
10NF-R-FT-10.1 (Reliability - Fault tolerance)	<p>Contractor must support the efficient roll back of software changes as needed.</p> <p>STC ONE® is able to support the efficient roll back of software changes as needed. All environments are bound by version. In the event of a rollback, the environment as a whole is destroyed, and a previous version of the environment/application is restored.</p>	x				
10NF-S-FT-11.1 (Security - Non-repudiation)	<p>Contractor must support audit logs for security purposes.</p> <p>STC ONE® is able to support audit logs for security purposes. STC meets and exceeds the</p>	x				

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Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	requirements for the logging and retention requirements. All transactions are time and date stamped. Those materials are accessible in conjunction with STC Staff members.					
10NF-S-A-11.2	<p>Solution must have the ability to maintain audit logs for specified time per jurisdictional policy.</p> <p>STC ONE® has the ability to maintain audit logs for specified time per jurisdictional policy. STC meets and exceeds the requirements for the logging and retention requirements. All transactions are time and date stamped. Those materials are accessible in conjunction with STC Staff members.</p>	x				
10NF-S-A-11.3	<p>Solution must have the ability for jurisdictional admin to search audit log by function performed.</p> <p>STC ONE® has the ability for jurisdictional admin to search audit log by function performed with support from STC.</p>	x				

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Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
10NF-S-A-11.4	<p>Solution must have the ability for jurisdictional admin to search audit log by date and time period.</p> <p>STC ONE® has the ability for jurisdictional admin to search audit log by date and time period with support from STC.</p>	x				
10NF-S-A-11.5	<p>Solution must have the ability for jurisdictional admin to search audit log by date range.</p> <p>STC ONE® has the ability for jurisdictional admin to search audit log by date range with support from STC.</p>	x				
10NF-S-A-11.6	<p>Solution must have the ability for jurisdictional admin to search audit log by user defined parameters.</p> <p>STC ONE® has the ability for jurisdictional admin to search audit log by user defined parameters with support from STC.</p>	x				

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Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
10NF-S-A-11.7	<p>Solution must have the ability for jurisdictional admin to search audit log by patient identifiers.</p> <p>STC ONE® has the ability for jurisdictional admin to search audit log by patient identifiers with support from STC.</p>	x				
10NF-S-A-11.8	<p>Solution must have the ability for jurisdictional admin to filter audit log search by user defined parameters.</p> <p>STC ONE® has the ability for jurisdictional admin to filter audit log search by user defined parameters with support from STC.</p>	x				
10NF-S-A-11.9	<p>Solution must have the ability for jurisdictional admin to sort audit log search results.</p> <p>STC ONE® has the ability for jurisdictional admin to sort audit log search results with support from STC.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
10NF-S-A-11.10	<p>The Solution must store audit data related to data changes in the system.</p> <p>STC ONE® is able to store audit data related to data changes in the system.</p>	x				
10NF-S-A-11.11	<p>The Solution must store 'date received' for data modified in the system.</p> <p>STC ONE® is able to store 'date received' for data modified in the system.</p>	x				
10NF-S-A-11.12	<p>The Solution must store 'time received' for data modified in the system.</p> <p>STC ONE® is able to store 'time received' for data modified in the system.</p>	x				
10NF-S-A-11.13	<p>The Solution must store 'date updated' for data modified in the system.</p>	x				

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Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® is able to store 'date updated' for data modified in the system.					
10NF-S-A-11.14	<p>The Solution must store 'time updated' for data modified in the system.</p> <p>STC ONE® is able to store 'time updated' for data modified in the system.</p>	x				
10NF-S-A-11.15	<p>The Solution must store user associated with data modified in the system.</p> <p>STC ONE® is able to store user associated with data modified in the system.</p>	x				
10NF-S-I-12.1 (Security - Integrity)	<p>The Solution must have the ability to electronically notify the system administrator of unauthorized activity.</p> <p>STC ONE® will not permit application level unauthorized activity due to the user tracking associated with changes. Any change without an authorized user would fail. We actively monitor</p>	x				

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Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	for intrusion and partner with specialized security firms to ensure best in class protection.					
10NF-S-I-12.2	<p>The Solution must store audit data related to user access/viewing of patient records in the system.</p> <p>STC ONE® is able to store audit data related to user access/viewing and all other transactions made within the system.</p>	x				
10NF-S-I-12.3	<p>The Solution must store date of user access to a patient record.</p> <p>STC ONE® is able to store date of user access to a patient record.</p>	x				
10NF-S-I-12.4	<p>The Solution must store time of user access to a patient record.</p> <p>STC ONE® is able to store time of user access to a patient record.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
10NF-S-I-12.5	<p>The Solution must store user ID of user access to a patient record.</p> <p>STC ONE® is able to store user ID of user access to a patient record.</p>	x				
10NF-S-I-12.6	<p>The Solution must automatically enforce session timeout for a user when idle period is reached.</p> <p>STC ONE® is able to automatically enforce session timeout for a user when idle period is reached. Sessions are terminated automatically based on a configuration which is defaulted to 30 minutes.</p>	x				
10NF-S-I-12.9	<p>The Solution must have the ability for system administrator to terminate user connections.</p> <p>STC ONE® has the ability for system administrator to terminate user connections.</p>	x				
10NF-S-I-12.10	The Solution must have the ability to maintain firewalls per AIRA's Security Guidance	x				

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Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	<p>Considerations for Immunization Information Systems document.</p> <p>STC ONE® has the ability to ability to maintain firewalls per AIRA's Security Guidance Considerations for Immunization Information Systems document. We meet and exceed Security Guidance Considerations and leverage both infrastructure and application firewalls.</p>					
10NF-S-I-12.11	<p>The Solution must have the ability to maintain firewalls for protection of the hosting network.</p> <p>STC ONE® has the ability to maintain firewalls for protection of the hosting network. AWS technology is leveraged to ensure protection of the systems.</p>	x				
10NF-S-I-12.12	<p>The Solution must have the ability to maintain firewalls for protection of the hosting environment.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® has the ability to ability to maintain firewalls for protection of the hosting environment. AWS technology is leveraged to ensure protection of the systems.					
10NF-S-I-12.13	<p>The Solution must have the ability to electronically notify the system admin of unauthorized activity.</p> <p>STC ONE® will not permit unauthorized activity due to the user tracking associated with changes. Any change without an authorized user would fail. We actively monitor for intrusion and partner with specialized security firms to ensure best in class protection.</p>	x				
10NF-S-I-12.14	<p>The Solution must have the ability to support anti-virus protection at current critical patch levels in the hosting environment.</p> <p>STC ONE® does not necessitate the ability to support anti-virus protection at current critical patch levels in the hosting environment as the</p>	x				

A	B	C				
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	servers themselves are not interacted with in a way that requires this. All environments are ephemeral and redeployed frequently from images.					
10NF-S-A-13.1 (Security - Authenticity)	<p>The Solution must have the ability to track all attempted accesses that fail identification, authentication and authorization requirements.</p> <p>STC ONE® has the ability to track all attempted accesses that fail identification, authentication and authorization requirements if the jurisdiction elects to use an upstream SSO, those log events would reside in the upstream IDP.</p>	x				
10NF-S-A-13.2	<p>The Solution must have the ability to track all accesses that successfully comply with identification, authentication and authorization requirements.</p> <p>STC ONE® has the ability to track all accesses that successfully comply with identification, authentication and authorization requirements</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	through use of the applications built in directory if the jurisdiction elects to use an upstream SSO, those log events would reside in the upstream IDP.					
10NF-S-I-14.1 (Security - Confidentiality)	<p>The Contractor must safeguard electronic personally identifiable information by implementing the appropriate technical best practices.</p> <p>STC ONE® is able to Safeguard electronic personally identifiable information by implementing the appropriate technical best practices. STC ONE® ensures that data is encrypted at rest, stored, and in transit. STC utilizes AWS' 256 GCM from an at rest perspective, and TLS 1.2 & TLs 1.3 from an in-transit perspective.</p>	x				
10NF-S-I-14.2	Solution must support masking of passwords as they are typed or entered into the user interface.	x				

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Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® is able to support masking of passwords as they are typed or entered into the user interface.					
10NF-S-I-14.3	<p>Solution must ability to encrypt personally identifiable information at rest,</p> <p>STC ONE® is able to ability to encrypt personally identifiable information at rest. STC ONE® ensures that data is encrypted at rest, stored, and in transit. STC utilizes AWS' 256 GCM from an at rest perspective, and TLS 1.2 & TLs 1.3 from an in-transit perspective.</p>	x				
10NF-S-I-14.4	<p>Solution must have the ability to decrypt personally identifiable information at rest.</p> <p>STC ONE® is able to decrypt personally identifiable information at rest. STC ONE® ensures that data is encrypted at rest, stored, and in transit. STC utilizes AWS' 256 GCM from</p>	x				

A	B	C				
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	an at rest perspective, and TLS 1.2 & TLs 1.3 from an in-transit perspective.					
10NF-S-I-14.5	<p>Solution must have the ability to encrypt personally identifiable information during transmission.</p> <p>STC ONE® has the ability to encrypt personally identifiable information during transmission. STC ONE® ensures that data is encrypted at rest, stored, and in transit. STC utilizes AWS' 256 GCM from an at rest perspective, and TLS 1.2 & TLs 1.3 from an in-transit perspective.</p>	x				
10NF-S-I-14.6	<p>Solution must have the ability to decrypt personally identifiable information during transmission.</p> <p>STC ONE® is able to ability to decrypt personally identifiable information at rest. STC ONE® ensures that data is encrypted at rest, stored, and in transit. STC utilizes AWS' 256 GCM from</p>	x				

A	B	C				
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	an at rest perspective, and TLS 1.2 & TLs 1.3 from an in-transit perspective.					
10NF-M-A-15.1 (Maintainability - Analyzability)	Contractor must support event logging. STC ONE® is able to support event logging.	x				
10NF-P-A-16.1 (Portability - Adaptability)	Solution must support use of web browsers per jurisdictional policy. STC ONE® can support use of web browsers per jurisdictional policy. The STC ONE® recommended browser is Chrome, however the application supports the latest release of all browsers such as Chrome, Firefox, Safari, Edge, and Internet Explorer.	x				
10NF-P-A-16.2	Solution must support use of current version of web browsers. STC ONE® can support use of current versions of web browsers. The STC ONE® recommended browser is Chrome, however the application	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	supports the latest release of all browsers such as Chrome, Firefox, Safari, Edge, and Internet Explorer.					
10NF-P-A-16.3	<p>Solution must support use of last prior version of web browsers.</p> <p>STC ONE® can support use of last prior versions of web browsers. The STC ONE® recommended browser is Chrome, however the application supports the latest release of all browsers such as Chrome, Firefox, Safari, Edge, and Internet Explorer.</p>	x				
10NF-P-A-16.4	<p>Solution must support a responsive design that renders properly on multiple devices.</p> <p>STC ONE® supports a responsive design that renders properly on multiple devices. The STC ONE® platform is fully functional on smartphones, tablets, laptops, and desktops but certain UI formatting does not adjust for mobile device optimized viewing, but this functionality</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	will be accounted for with modernization efforts which are currently underway. In addition, STChealth's consumer application, MyIR does adhere to responsive design behavior.					
10NF-P-A-16.5	<p>Solution must support web client use on a desktop.</p> <p>STC ONE® is able to support web client use on a desktop.</p>	x				
10NF-P-A-16.6	<p>Solution must support web client use on a laptop.</p> <p>STC ONE® is able to support web client use on a laptop.</p>	x				
10NF-P-A-16.7	<p>Solution must support web client use on a tablet.</p> <p>STC ONE® is able to support web client use on a tablet.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
10NF-P-A-16.8	<p>Solution must support web client use on a smartphone.</p> <p>STC ONE® is able to support web client use on a smartphone.</p>	x				
10NF-P-I-17.1 (Portability - Adaptability)	<p>Solution must be containerized (e.g., Docker or Kubernetes) to support easy installation and system updates.</p> <p>STC ONE® can be containerized (e.g., Docker or Kubernetes) to support easy installation and system updates. STChealth utilizes best in class containerization tools including Docker and Kubernetes, as we continue to modernize, we are taking a micro-services-based approach.</p>	x				
	State Specific Requirements					
11SS-EDM-1.1 (SOM Electronic Document Management (EDM))	The Solution will utilize a DTMB approved enterprise document management solution (e.g., IBM FileNet) for enterprise Electronic Document Management.					x

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STChealth's documentation center functionality is embedded in the platform. It is not a third-party solution.					
11SS-SC-ADM-2.1 (School/Childcare - Administrative)	<p>The Solution must have the ability to generate and store a childcare license number consisting of nine digits.</p> <p>STC ONE® will generate a unique id for each facility, regardless of type. Additional fields are also available to add childcare license number.</p>	x				
11SS-SC-ADM-2.2	<p>The Solution will need a district and building code consisting of five digits each.</p> <p>STC ONE® captures information for school districts in the School District Maintenance page which can capture district and building codes as needed.</p>		x			

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
11SS-SC-ADM-2.3	<p>The Solution assesses child/student record for C=Complete, I=Incomplete, P=Provisional based on school and childcare requirements.</p> <p>STC ONE® will assess every child/student immunization record for C=Complete, I=Incomplete, or P=Provisional based on Michigan school and childcare requirements.</p>	x				
11SS-SC-ADM-2.4	<p>The Solution will calculate annual series completion rates for students to be 90% for November 1st and February 1st; 95% compliant for each school building and public-school districts and 90% for childcare center.</p> <p>STC ONE® is able to calculate series completion rates for students by class, school/childcare facility, district and county.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
11SS-SC-ADM-2.5	<p>The Solution must have the same functionality for migrant programs based on a different report period.</p> <p>STC ONE® will work with Michigan to ensure our STC ONE® School Nurse module will be able to accommodate migrant programs.</p>		x			
11SS-SC-ADM-2.6	<p>The Solution have the capability of defining grades C=childcare, Schools=Grades K-12, and Special Education (SE), Careers and Technical Education (CTE), and Academic Exchange (AE), and others as needed.</p> <p>STC ONE® is able to create grades manually or via upload as needed to appropriately and efficiently manage schools and childcare facilities.</p>	x				
11SS-SC-ADM-2.7	Solution must have Kindergarten Round-up Functionality.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® provides robust functionality that can be used to assess student readiness for Kindergarten Round-up. This includes student roster upload and reports to assess immunization status.					
11SS-SC-ADM-2.8	<p>Solution must be able to have letters to parents translated in English and Spanish.</p> <p>STC ONE® allows authorized users to define the content for parent letters in any language they choose.</p>	x				
11SS-SC-ADM-2.9	<p>Solution must have blood lead information for Head Starts.</p> <p>STC ONE® can include blood lead information for any facility type requested by Michigan.</p>		x			
11SS-SC-ADM-2.10	The Solution must have reports that need to be broken down by K=kindergarten, O=other, and 7th grade.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® allows school reports to be run using user-defined criteria including a Kindergarten and 7 th grade report.					
11SS-SC-ADM-2.11	<p>The Solution must capability to separate out by county and jurisdiction.</p> <p>STC ONE® is able to separate and report immunization information by county and jurisdiction.</p>	x				
11SS-SC-ADM-2.12	<p>The Solution must have the capability of marking a child with McKinney Vento.</p> <p>STC ONE® has the capability to add a note to a patient indicating they are with McKinney Vento. A custom field specifically for this indicator can be added prior to go live.</p>			x		
11SS-SC-ADM-2.13	The Solution must have the capability of separating between private and public schools.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® has the capability to separate between private and public school on the School Maintenance page. This is a criterion available when running reports.					
11SS-SC-ADM-2.14	<p>The Solution must have the capability of marking a student with FERPA consent.</p> <p>STC ONE® has the capability to add a note to a patient indicating that FERPA consent has been obtained. A custom field specifically for this indicator can be added prior to go live.</p>			x		
11SS-SC-ADM-2.15	<p>The Solution must have the capability of tier system state, local health department, and building/center.</p> <p>STC ONE® has the capability to have a tier system that includes state, local health department and building/center.</p>	x				
11SS-SC-ADM-2.16	The Solution must have a one-way data pull from IIS to schools/childcares.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® has the capability to easily establish a query connection with school systems that meet the HL7 requirements.					
11SS-SC-ACS-3.1 (School/Childcare - Access)	<p>The Solution must have the ability to hyperlink to website www.mcir.org for resources.</p> <p>The STC ONE® landing page can be customized to include a hyperlink to any website or resource needed.</p>	x				
11SS-SC-ACS-3.2	<p>The Solution must provide ability for end user to authenticate and access application through SOM MILogin for Workers for State of Michigan employees.</p> <p>The integration of STC ONE® with an SSO system such as the SOM MILogin for Workers for State of Michigan employees, has been established successfully for two of our existing customers. We can work with Michigan to understand your</p>		x			

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	security needs and workflow to ensure the experience for the end-users is seamless.					
11SS-SC-ACS-3.3	<p>The Solution must provide ability for end user to authenticate and access application through SOM MILogin for Business for Contractors.</p> <p>The integration of STC ONE® with an SSO system such as the SOM MILogin for Workers for State of Michigan employees, has been established successfully for two of our existing customers. We can work with Michigan to understand your security needs and workflow to ensure the experience for the end-users is seamless.</p>		x			
11SS-SC-ACS-3.4	<p>The Solution must have the ability to link or display Provider Agreement Terms and Conditions.</p> <p>STC ONE® contains functionality for a Confidentiality Agreement (user-level) as well as Provider Registration.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
11SS-SC-ACS-3.5	<p>The Solution must have the ability to access main page of immunization system.</p> <p>STC ONE® is permission-based and authorized users can access and easily navigate to any desired screens.</p>	x				
11SS-SC-ACS-3.6	<p>Solution must have the ability for State Admin to modify a site between facility types, to include Childcare, Headstart, Kindergarten, Public, Private, School, etc.</p> <p>STC ONE® allows system/state administrators to modify any site information as needed on the Organization and/or Facility Maintenance page.</p>	x				
11SS-SC-ACS-3.7	<p>Solution must have the ability for State Admin to view in Test or Production between how the system assesses the same child according to:</p> <p>School Assessment rules</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	<p>Childcare Assessment rules HeadStart Assessment (recent update to Federal Requirements - Blood lead levels)</p> <p>STC ONE® Test and Production environments allow state admin to observe how the system assesses the same child according to state assessments.</p>					
11SS-SC-R-4.1 (School/Childcare - Reporting)	<p>The Solution must give the State Administrator the ability to Create Compliancy Report by Building or Compliancy.</p> <p>STC ONE® allows state administrators to run a variety of user-designed reports including coverage assessment by user-defined criteria. Michigan-specific reports can be scoped and made available prior to go live.</p>			x		
11SS-SC-R-4.2	The Solution must give the State Administrator the ability to Create Series Report for specific county or all counties.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® allows state administrators to create reports based on any desired immunization series by county or state.					
11SS-SC-R-4.3	<p>The Solution must give the State Administrator the ability to Create Master Labels for specific county or all counties.</p> <p>STC ONE® can be customized to provide this capability. Information can be exported currently in order to create mail merge labels or envelopes.</p>			x		
11SS-SC-R-4.4	<p>The Solution must give the State Administrator the ability to Create Mailing Labels for specific county or all counties.</p> <p>STC ONE® can be customized to provide this capability. Information can be exported currently in order to create mail merge labels or envelopes.</p>			x		
11SS-SC-R-4.5	The Solution must give the State Administrator the ability to Create Status Report for specific county or all counties.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® Reports allows users to create reports on a variety of user-defined criteria including reports at the county and state level. The specific data elements of the desired report will need to be evaluated to determine if customization is required.					
11SS-SC-R-4.6	<p>The Solution must give the State Administrator the ability to generate a Vision Report for specific county or all counties.</p> <p>STC ONE® Reports allow users to create reports on a variety of user-defined criteria including reports at the county and state level. Any vision functionality developed will be incorporated into reports.</p>			x		
11SS-SC-R-4.7	The Solution must give the State Administrator the ability to Create Waiver Report for specific county or all counties.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® Reports allow users to create reports on a variety of user-defined criteria including waiver reports at the county and state level.					
11SS-SC-R-4.8	<p>The Solution must give the State Administrator the ability to Create Invalid Grade Report for specific county or all counties.</p> <p>STC ONE® Reports allow users to create reports on a variety of user-defined criteria. The specific data elements of the desired report will need to be evaluated to determine if customization is required.</p>	x				
11SS-SC-R-4.9	<p>The Solution must give the State Administrator the ability to Create Open Buildings Report for specific county or all counties.</p> <p>STC ONE® Reports allow users to create reports on a variety of user-defined criteria. The specific data elements of the desired report will need to</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	be evaluated to determine if customization is required.					
11SS-SC-R-4.10	<p>The Solution must give the State Administrator the ability to Create McKinney Vento Statewide or specific county.</p> <p>STC ONE® Reports allow users to create reports on a variety of user-defined criteria. Customization will be required to include this indicator in Reports however this will be done prior to go live.</p>			x		
11SS-SC-R-4.11	<p>The Solution must give the LHD Administrator the ability to create all State administrator reports except McKinney Vento.</p> <p>STC ONE® Reports allows LHD Administrators to run administrator reports except McKinney Vento upon completion of the McKinney Vento indicator on the patient record.</p>			x		

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
11SS-SC-R-4.12	<p>The Solution must give the School or Childcare User the ability to Create Alpha List of Students to include or not to include mailing address.</p> <p>STC ONE® School Module allows users to create student lists based upon a variety of criteria. Results can then be exported and used as needed. The specific data elements of the desired report will need to be evaluated to determine if customization is required.</p>	x				
11SS-SC-R-4.13	<p>The Solution must give the School or Childcare User the ability to Create IP-100/IP-101 by Summary or Detail.</p> <p>STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.</p>			x		
11SS-SC-R-4.14	The Solution must give the School or Childcare User the ability to Create Letters to Parents	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	<p>broken down by Warning, Exclusion, Custom by English and Spanish.</p> <p>STC ONE® School Module allows users to create parent letters based upon a variety of criteria. Including by immunization status. The content of letters may be translated as needed.</p>					
11SS-SC-R-4.15	<p>The Solution must give the School or Childcare User the ability to Create Incompletes by Summary or Detail.</p> <p>STC ONE® School Module allows users to create student lists based upon a variety of criteria.</p>	x				
11SS-SC-R-4.16	<p>The Solution must give the School or Childcare User the ability to Create Provisionals Report.</p> <p>STC ONE® School Module allows users to create student lists based upon a variety of criteria.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
11SS-SC-R-4.17	<p>The Solution must give the School or Childcare User the ability to Create Waivers Report.</p> <p>STC ONE® School Module allows users to create student lists based upon a variety of criteria.</p>	x				
11SS-SC-R-4.18	<p>The Solution must give the School or Childcare User the ability to Create Future Vaccine Need Report.</p> <p>STC ONE® School Module allows users to create student lists based upon a variety of criteria including vaccine forecast.</p>	x				
11SS-SC-R-4.19	<p>The Solution must give the School or Childcare User the ability to Create Birth Certificates Report</p> <p>STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.</p>			x		

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
11SS-SC-R-4.20	<p>The Solution must give the School or Childcare User the ability to Create Last Physical Report.</p> <p>STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.</p>			x		
11SS-SC-R-4.21	<p>The Solution must give the School or Childcare User the ability to Create Vision Screenings Report.</p> <p>STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.</p>			x		
11SS-SC-R-4.22	<p>The Solution must give the School or Childcare User the ability to Create CA-60 Labels.</p> <p>STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.</p>			x		

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
11SS-KOHA-5.1 (Kindergarten Oral Health Assessment (KOHA))	<p>MCIR Solution will need an indicator flag in the immunization record to indicate if an oral health screening has occurred. This is for school sites to be able to see in conjunction with the Public Health Code that requires all kindergarteners have an oral health screening. This will be a clickable box/flag for the schools to enter if a screening has occurred or from Local Health Department (LHD) users. This data can also be populated with a data connection from the KOHA system for a yes style flag. Ideally this data that can be exported or sent to the KOHA system to update their flags.</p> <p>STC ONE® can be customized to include an oral health screening indicator as needed. In addition, data from and to the KOHA system can be transmitted using the DTT or by establishing a data exchange. Cost is included in the pricing proposal.</p>					
11SS-KOHA-5.2	Solution must have the ability for a clickable box/indicator flag on a patient record for the schools			x		

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	<p>or LHD users to enter if an oral health screening has occurred.</p> <p>STC ONE® can be customized to include an oral health screening indicator as needed.</p>					
11SS-W-6.1 (Waiver)	<p>The Solution must have the ability to create, store, modify and delete school and childcare immunization waivers electronically.</p> <p>STC ONE® allows authorized users to create, modify and delete school and childcare immunization waivers. The capability to store waivers will require customization which will be created prior to go live.</p>			x		
11SS-W-6.2	<p>The Solution must have the ability to support digital signature on waiver form and preserve the waiver as a legal document.</p>			x		

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.					
11SS-W-6.3	<p>The Solution must have the ability to print the waiver forms.</p> <p>STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.</p>			x		
11SS-W-6.4	<p>The Solution must have the ability for jurisdictional admin to update waiver form template as needed, including the year, header, and contents.</p> <p>STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.</p>			x		
11SS-W-6.5	The Solution must have the ability to use waivers appropriately in school assessment and apply them only to the appropriate school year.			x		

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.					
IISS-W-6.6	<p>The Solution must not count Childcare Waivers when a child is promoted to Kindergarten. A new School Waiver signed by parent/guardian is required.</p> <p>STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.</p>		x			
11SS-L-7.1 (Lead)	The Solution must have the ability to display blood lead test results on patient record and any recommendations, similar to the clinical decision support for vaccines, such as what the levels mean or at what levels a visit to a care provider is recommended.		x			

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® will display blood lead test results on patient records as well as any clinical decision support for proper vaccine administration. STChealth will work with Michigan to ensure the desired configuration.					
11SS-HV-8.1 (Hearing/Vision)	The Solution must have the ability to display hearing and vision test results on patient record and immunization report. STC ONE® will display hearing and vision test results on patient records. STChealth will work with Michigan to ensure the desired configuration.		x			
11SS-WIC-9.1 (WIC)	The Solution must have the ability to display WIC ID on patient record and immunization report. STC ONE® can be configured to display WIC ID on the patient record and immunization report. STChealth will work with Michigan to ensure the desired configuration.		x			

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
11SS-PHBPP-10.1 (PHBPP)	<p>The Solution must have the ability to support perinatal hepatitis B prevention efforts, including access, data, and reports for hepatitis B investigators.</p> <p>STC ONE® Disease Management includes a case management tool for Perinatal Hepatitis-B that is used to identify and track Hepatitis B positive pregnant women to ensure that their infants receive the necessary post-exposure follow-up to protect them from Hepatitis B. The module helps States monitor and support Hep-B positive pregnant women before birth and their infant's post-birth through vaccine queries of the STC ONE® IIS and notifications regarding vaccine needs that are identified.</p>	x				
11S-MCD-11.1 (Medicaid - MyHealth Public Portal and MyHealth Button)	The Solution must support data querying and information response connection with the Medicaid public portal.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® Data Exchange supports HL7 inbound query requests for patient immunization history. Both HL7 versions, 2.3.1 and 2.5.1, are supported. It also supports quality reporting and extensive customization of the field level message validation process. Beyond system capability more comprehensive support to establish the connection is available at an additional cost.					
11S-MCD-11.2	<p>The Solution must have the ability for a Medicaid member registered in the MyHealth Portal/Button system to retrieve their immunizations records from MCIR's database.</p> <p>STC ONE® Data Exchange supports HL7 inbound query requests for patient immunization history. Both HL7 versions, 2.3.1 and 2.5.1, are supported. This feature allows users of alternate systems to access the information stored in the IIS on their patient record.</p>		x			
11S-MCD-11.3	The Solution must have the ability for a Medicaid member registered in the MyHealth Portal/Button		x			

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	<p>system to retrieve their blood lead results from MCIR's database.</p> <p>STC ONE® Data Exchange supports HL7 inbound query requests for patient immunization history. Both HL7 versions, 2.3.1 and 2.5.1, are supported. This feature allows users of alternate systems to access the information stored in the IIS on their patient record.</p>					
11SS-NBS-12.1 (Newborn Screening (NBS))	The Solution must have the ability to display newborn screening test results on patient record.			x		
11SS-NBS-12.2	<p>The Solution must have the ability to display newborn screening test results on immunization report.</p> <p>STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.</p>			x		

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
11SS-NBS-12.3	<p>The Solution must ability for providers to view blood spot screening results.</p> <p>STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.</p>			x		
11SS-NBS-12.4	<p>The Solution must have the ability for the NBS Program to upload birth certificates and NBS data to MCIR weekly.</p> <p>STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.</p>			x		
11SS-NBS-12.5	<p>The Solution must have the ability to add the NBS patient ID in to the MCIR record.</p> <p>STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.</p>			x		

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
11SS-NBS-12.6	<p>The Solution must have the ability to generate a link between MCIR and LifeCycle (Contractor for LifeCycle: PerkinElmer).</p> <p>STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.</p>			x		
11SS-NBS-12.7	<p>The Solution must have the ability to generate an EHDl tab on the patient record with NBS information.</p> <p>STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.</p>			x		
11SS-NBS-12.8	<p>The Solution must have the ability for NBS technicians and staff at contracted coordinating centers to use MCIR to access demographic information, including names, primary care providers, addresses, and phone numbers.</p>			x		

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.					
11SS-NBS-12.9	<p>The Solution must have the ability to search for a person by child and mother demographics.</p> <p>STC ONE® allows users to search by a variety of fields including but not limited to First, Last, and Middle Name, Birth Date, Mother's Maiden Name, Street, City, State, Zip Code, Patient ID, Guardian, and more.</p>	x				
11SS-NBS-12.10	<p>The Solution must have the ability to search for a person by NBS patient ID.</p> <p>STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.</p>			x		
11SS-NBS-12.11	The Solution must have the ability to search for alternate patient demographics (such as mom's maiden names).	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® allows users to search by a variety of fields including but not limited to First, Last, and Middle Name, Birth Date, Mother's Maiden Name, Street, City, State, Zip Code, Patient ID, Guardian, and more.					
11SS-NBS-12.12	<p>The Solution must have the ability to generate an error file after file upload, that shows which records did not successfully upload.</p> <p>STC ONE® produces an error file after each file upload to ensure awareness of successful and unsuccessful files.</p>	x				
11SS-NBS-12.13	<p>The Solution must have the ability add patient IDs manually to if they are not automatically uploaded.</p> <p>STC ONE® allows the addition of patient IDs and other patient information manually as needed.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
11SS-NBS-12.14	<p>The Solution must have the ability to overwrite records with updated NBS patient IDs.</p> <p>STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.</p>			x		
11SS-NBS-12.15	<p>The Solution must have the ability to mark two (or more) records as duplicate.</p> <p>The STC ONE® deduplication has the ability to mark two or more records as duplicates for manual review.</p>	x				
11SS-SCD-13.1 (Sickle Cell)	<p>The Solution must have the ability to create case in sickle cell module based on screening values in NBS Laboratory Information Management System.</p> <p>STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.</p>			x		

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
11SS-SCD-13.2	<p>The Solution must have the ability for the weekly upload to generate a sickle cell trait letter.</p> <p>STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.</p>			x		
11SS-SCD-13.3	<p>The Solution must have the ability to assign and reassign sickle cell trait cases based on geographic area.</p> <p>STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.</p>			x		
11SS-SCD-13.4	<p>The Solution must have the ability to print sickle cell trait letters.</p> <p>STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.</p>			x		

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
11SS-SCD-13.6	<p>The Solution must have the ability to generate report of sickle cell trait letters by date with number of patients and reception.</p> <p>STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.</p>			x		
11SS-SCD-13.7	<p>The Solution must have the ability to upload confirmatory test results to patient records.</p> <p>STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.</p>			x		
11SS-SCD-13.8	<p>The Solution must have the ability for Sickle Cell users to input patient reported information from Health Status Assessments.</p> <p>STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.</p>			x		

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
11SS-SCD-13.9	<p>The Solution must have the ability to manually add an adult or person born outside of Michigan as a case in the sickle cell module.</p> <p>STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.</p>			x		
11SS-EHDI-14.1 (Early Hearing Detection and Intervention (EHDI))	<p>The Solution must have the ability to display hearing status on any immunization report that displays immunization status.</p> <p>STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.</p>			x		
11SS-EHDI-14.2	<p>The Solution must have the ability to access real-time demographics including name of baby, primary care provider, address, and phone number.</p>			x		

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.					
11SS-EHDI-14.3	<p>The Solution must have the ability to view current provider information for the patient.</p> <p>STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.</p>			x		
11SS-EHDI-14.4	<p>The Solution must have the ability to view identification number (kit number) of child.</p> <p>STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.</p>			x		
11SS-EHDI-14.5	The Solution must have the ability to view death notifications in real-time.			x		

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.					
11SS-EHDI-14.6	<p>The Solution must have the ability for providers to view hearing results.</p> <p>STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.</p>			x		
11SS-EHDI-14.7	<p>The Solution must have the ability to view records linked with the Perkin Elmer patient ID.</p> <p>STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.</p>			x		
11SS-EHDI-14.8	The Solution must have the ability to support providers from audiologists, public health department, primary care providers, Michigan Hands & Voices Guide by Your Side program, and			x		

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	<p>the Maternal and Infant Health Program (MIHP) staff.</p> <p>STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.</p>					
11SS-EHDI-14.9	<p>The Solution must have the ability for EHDI staff to manually link records as needed for providers to view hearing results so EHDI can provide access to hearing results right away.</p> <p>STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.</p>			x		
11SS-EHDI-14.10	<p>The Solution must have a process for providers to request MCIR access through regional contacts so providers can access hearing results.</p>			x		

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.					
11SS-EHDI-14.11	<p>The Solution must have the ability to search in system based on Perkin Elmer Patient ID.</p> <p>STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.</p>			x		
11SS-EHDI-14.12	<p>The Solution must have the ability for providers to access EHDI contact information within patient records.</p> <p>STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.</p>			x		
11SS-EHDI-14.13	The Solution must have the ability for the system to notify/flag users of overall hearing results and if patient needs follow-up testing.			x		

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.					
11SS-EHDI-14.14	<p>The Solution must have the ability for the system to provide appropriate next steps for providers based on hearing status results flag.</p> <p>STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.</p>			x		
11SS-EHDI-14.15	<p>The Solution must have the ability for the system to display EHDI follow-up and action steps reference document (https://mcir.org/wp-content/uploads/2014/09/EHDI_Follow-Up_4-18-2011.pdf).</p> <p>STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.</p>			x		

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
11SS-EHDI-14.16	<p>The Solution must have the ability for EHDI staff to assess provider (clinic/doctor) demographic information including but not limited to address, phone, fax, and email addresses.</p> <p>STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.</p>			x		
11SS-EHDI-14.17	<p>The Solution must have the ability for EHDI staff to have a role within the system that allows for access similar to current system.</p> <p>STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.</p>			x		
Optional Requirements						
	Optional Administrative System Requirements					

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
1AS-SC-2.14	<p>The Solution should have the ability to validate accurate assignment of address to an individual through electronic means (e.g., LexisNexis).</p> <p>STChealth has the Smarty integration to validate addresses in STC ONE®. In addition, we have established partnerships with LexisNexis and Experian for project benefit.</p>	x				
1AS-SC-2.17	<p>The Solution should have the ability to configure an authorization agreement as per jurisdictional policy.</p> <p>STC ONE® has the ability to configure an authorization agreement (IIS Agreement) as per jurisdictional policy. The provider enrollment feature allows the jurisdiction, in collaboration with the admin, to configure the specifics of the authorization agreement. Fields are standardized for VFC participants however any state legal language is customizable.</p>		x			

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
1AS-SC-2.18	<p>The Solution should have the ability to configure a user agreement as per jurisdictional policy.</p> <p>STC ONE® has the ability to configure a User Agreement that must be accepted by a user upon first login and after any update. In STC ONE® the user agreement is referred to as Confidentiality Agreement. A Confidentiality Agreement may be setup for all IIS Users with a separate one available for School Nurse Module users. The text in these agreements can be fully defined by the Agency without Vendor support. In addition, the jurisdictional admin may require the agreement to be agreed to upon initial login.</p>		x			
1AS-SC-2.20	<p>The Solution should have the ability to provide optional calendar to select a date in a web client.</p> <p>STC ONE® provides a pick calendar for date fields.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
1AS-SC-2.31	<p>The Solution should have the ability to auto-populate existing user information in the IIS with the information on the enrollment form when creating a new facility in the IIS.</p> <p>STC ONE® has the ability to auto-populate some existing user information in the IIS with the information on the enrollment form when creating a new facility in the IIS.</p>	x				
1AS-SC-2.32	<p>The Solution should have the ability to auto-populate the organization information in the IIS with information on the enrollment form when creating a new organization in the IIS.</p> <p>STC ONE® has the ability to auto-populate some of the organization information in the IIS with the information on the enrollment form when creating a new organization in the IIS. If an Organization does not yet exist in the application for the practice named in the application, a Create Organization link appears in the column of</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	the same name. The Organization Maintenance [Add] page opens, with fields pre-populated with the information from the application.					
1AS-SC-2.34	<p>The Solution should have the ability to apply effective dates to vaccine rules.</p> <p>The STC ONE® forecasting algorithm has the ability to apply effective dates to vaccine rules.</p>	x				
1AS-SC-2.40	<p>The Solution should have the ability to open multiple screens simultaneously within the application.</p> <p>STC ONE® allows a user to open multiple tabs when using the online application.</p>	x				
1AS-SA-4.3	The Solution should have the ability for jurisdictional admin to add system alerts for specific IIS users to view when logging into application.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® has the ability for jurisdictional admin to add system alerts for specific IIS users to view when logging into the application. Alerts and notifications can be found within STC ONE® in several different workflows. These are configurable and often customizable to best enable timely information to be disseminated to all providers or certain provider types or groups as is appropriate for the situation. Also, electronic notifications can be sent when a user forgets their password.					
	Optional Managed Organization Requirements					
2MO-AEIO-2.4	<p>The Solution should have the ability for applicant from unauthorized organization to save partially complete IIS enrollment information.</p> <p>STC ONE® requires that an enrollment form be completed in its entirety at the time of submission. This approach ensures that the authorized individual is completing and aware of all components in the enrollment as opposed to a separate individual completing the enrollment</p>					x

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	and the authorized user just coming in to submit. This supports efforts around identity verification. Additional development is available to further meet this requirement.					
2MO-AEIO-2.5	<p>The Solution should have the ability for applicant from unauthorized organization to return to a partially complete IIS enrollment information.</p> <p>STC ONE® requires that an enrollment form be completed in its entirety at the time of submission. This approach ensures that the authorized individual is completing and aware of all components in the enrollment as opposed to a separate individual completing the enrollment and the authorized user just coming in to submit. This supports efforts around identity verification. Additional development is available to further meet this requirement.</p>					x
2MO-AEIO-2.11	The Solution should have the ability to capture electronic signature for enrollment, for an authorization agreement.	x				

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	STC ONE® has the ability to capture electronic signature for enrollment, for an authorization agreement. The Agreement Signatory is able to enter their name and title.					
2MO-AEIO-2.36	<p>The Solution should have the ability to indicate if an organization/facility is a site where vaccines are stored for redistribution.</p> <p>STC ONE® has the ability to indicate if an organization/facility is a site where vaccines are stored for redistribution. This is achieved by designating an organization as a depot which then allows for redistribution of vaccines to other sites.</p>	x				
2MO-AEIO-2.41	The Solution should have the ability to retrieve organization/facility information from scanned forms and automatically fill required data fields with retrieved information.			x		

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STChealth will work with Michigan to define workflows and data elements necessary to meet this requirement.					
2MO-VFC/VPE-3.13	<p>The Solution should have the ability for the jurisdictional vaccine program admin to add comments during the vaccine program enrollment approval process.</p> <p>STC ONE® allows for jurisdictional vaccine program admin to add comments internally and externally during the enrollment approval process. While reviewing an enrollment form, the jurisdictional admin has a box for "Approver Comments" at the top of the Provider Agreement Add/Edit Screen. Additionally, this field is presented again on the Provider Agreement Approval Screen.</p>	x				
2MO-VFC/VPE-3.14	The Solution should have the ability to require the vaccine program facility to indicate the number of vaccine storage units being monitored.	x				

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	<p>STC ONE® has the ability to require the vaccine program facility to indicate the number of vaccine storage units being monitored. Our Cold Storage feature allows for the documentation of information on multiple storage units during the enrollment process. The information captured includes unit information as well thermometer information.</p>					
2MO-VFC/VPE-3.15	<p>The Solution should have the ability to require the vaccine program facility to indicate the types of vaccine storage units being monitored.</p> <p>STC ONE® has the ability to require the vaccine program facility to indicate the types of vaccine storage units being monitored. Our Cold Storage feature allows for each unit type to be designated as a Fridge, Freezer or Ultra Cold Freezer during the enrollment process.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
2MO-VFC/VPE-3.25	<p>The Solution should have the ability for IIS staff to retrieve electronic files from organization/facility file folder.</p> <p>The STC ONE® Document Center is accessible from within the application and allows jurisdictional admin to store documents for global access. Additional development to allow for the ability to save and retrieve documents from a specific organization/facility file folder are included in the cost proposal for development. Delivery of this feature would be prior to go live.</p>			x		
2MO-VFC/VPE-3.26	<p>The Solution should have the ability to automatically validate clinician license number against Professional Licensing Agency record database.</p> <p>With customization, clinician license numbers can be validated against Professional Licensing Agency record database. Clinicians with the valid need to administer/view immunization</p>			x		

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	information can include a variety of medical professionals from nurses and dentists to family practitioner; all that have different licensing boards which would require multiple integrations that are not currently in place. This requirement could be met with additional discovery and development. This item has not been priced. As implementation discussions occur this can be added to the scope for delivery post go live.					
2MO-VFC/VPE-3.28	<p>The Solution should have the ability to electronically notify a facility VFC/vaccine program coordinator of an upcoming need for VFC/vaccine program re-enrollment.</p> <p>STC ONE® has the ability to electronically notify a facility VFC/vaccine program coordinator of an upcoming need for VFC/vaccine program re-enrollment. Based on the expiration date of the previous enrollment or manually by the jurisdictional admin, an alert will present on the Vaccine Dashboard indicating re-enrollment is</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	required. In addition, an email can be manually pushed using the message functionality.					
2MO-O/FO-4.3	<p>The Solution should have the ability to send electronic communications directly from the IIS.</p> <p>STC ONE® has the ability to send electronic communications directly from the IIS using the messaging or alerts functionality. The messaging function allows jurisdictional admin to create a message by selecting one or multiple organization/facilities.</p>	x				
2MO-O/FO-4.4	<p>The Solution should have the ability to send electronic communications directly from the IIS to multiple recipients.</p> <p>STC ONE® has the ability to send electronic communications directly from the IIS to multiple recipients using the messaging or alerts functionality. The messaging function allows</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	jurisdictional admin to create a message by selecting one or multiple organization/facilities.					
2MO-O/FO-4.5	<p>The Solution should have the ability to notify more than one user at a participating vaccine program facility of any vaccine program notification.</p> <p>STC ONE® has the ability to notify more than one user at a participating vaccine program facility of any vaccine program notification using the messaging or alerts functionality. The messaging function allows jurisdictional admin to create a message by selecting one or multiple organization/facilities.</p>	x				
2MO-O/FO-4.6	The Solution should have the ability for the jurisdictional vaccine program admin to customize vaccine program enrollment alerts to participating vaccine program facilities when needed.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	<p>STC ONE® has the ability for the jurisdictional vaccine program admin to customize vaccine program enrollment alerts to participating vaccine program facilities when needed. This can be done in Inventory Management using the Define Accountability/Compliance Requirements functionality to specify description of requirement and days between alerts. In addition, the Message function can be used as needed to email provider or send in-system messages.</p>					
2MO-O/FO-4.7	<p>The Solution should have the ability for the jurisdictional vaccine program admin to modify the date for online renewal electronic notifications for each participating vaccine program facility.</p> <p>STC ONE® has the ability for the jurisdictional vaccine program admin to modify the date for online renewal electronic notifications for each participating vaccine program facility by changing the days prior to expiration of the enrollment.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
2MO-O/FO-4.8	<p>The Solution should have the ability to electronically notify the jurisdictional vaccine program admin of vaccine program follow-up activities for a new vaccine program facility enrolled for 6 months.</p> <p>STC ONE® has the ability to electronically notify the jurisdictional vaccine program admin of vaccine program follow-up activities for a new vaccine program facility enrolled for 6 months using the messaging functionality. This can be done in Inventory Management using the Define Accountability/Compliance Requirements functionality to specify description of requirement and days between alerts. A custom message can also be sent to one or multiple organization/facility regarding follow-up activities.</p>	x				
	Optional Managed User Requirements					
3MU-US-1.5	The Solution should have the ability to sort users by user defined criteria.	x				

A	B	C				
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	STC ONE® has the ability to sort users by Username, First Name, Last Name, Organization, Facility, Access Level, Active Status. The results of the User Search can be filtered by Username, First Name, Last Name, Organization, Facility, Access Level and Inactive Status. The User Report is exportable and can then be filtered by any criteria selected to be included in the report.					
3MU-US-2.0	<p>The Solution should have the ability to view and select sites by Facility or User Type (for example, group all LHDs, Schools, etc.)</p> <p>STC ONE® has the ability to view and select sites by Facility or User Type.</p>	x				
3MU-AEIU-2.5	The Solution should have the ability for jurisdictional admin to inactivate multiple accounts in one transaction.	x				

A	B	C				
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	STC ONE® has the ability for jurisdictional admin to deactivate multiple accounts in one transaction. This can be achieved by using the "Inactivate Multiple Users and/or Physicians & Vaccinators functionality under Administration Settings.					
3MU-AEIU-2.7	<p>The Solution should have the ability to store reason for inactivation of user account.</p> <p>STC ONE® has the ability to store reason for inactivation of user account through use of the comment field in the user maintenance page.</p>	x				
3MU-AEIU-2.9	<p>The Solution should have the ability to electronically notify a user that their account is locked (inaccessible) as per jurisdictional security policy.</p> <p>STC ONE® has the ability to electronically notify a user that their account is locked (inaccessible) as per jurisdictional security policy. Upon an attempt to login, if the user account is inactive</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	the user receives the following message "Account is disabled, contact your administrator."					
3MU-AEIU-2.10	<p>The Solution should have the ability to electronically notify a user that their account is inactive.</p> <p>STC ONE® has the ability to electronically notify a user that their account is inactive. Upon an attempt to login, if the user account is inactive the user receives the following message "Account is disabled, contact your administrator." In addition, the Message functionality may be used.</p>	x				
3MU-AEIU-2.11	<p>The Solution should have the ability to capture clinician activity status (out of state, loss of certification, change of practice status, other).</p> <p>STC ONE® allows for admin to capture clinician activity status (out of state, loss of certification, change of practice status, other) using the</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	comments field in the user maintenance page or in comments if the user is inactivated.					
3MU-PM-4.5	<p>The Solution should have the ability for jurisdictional admin to configure the periodic intervals for generation of notifications to authorized users of their pending account password expiration.</p> <p>The ability to generate electronic notification at periodic intervals to authorized users of their pending account password expiration is available through the STChealth's modern user functionality which is expected to be available by go live or shortly after go live.</p>	x				
	Optional Interoperability Requirements					
4IO-OB-2.2	The Solution should have the ability to track an organization's/facility's progress through the onboarding process.	x				

A	B	C				
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	STC ONE® provides onboarding status tracking is provided in the built-in data exchange module. STC ONE® Data Exchange has a project tracker feature that allows for the identification of project stages.					
4IO-OB-2.6	<p>The Solution should have the ability to electronically alert the vendor/organization when the certificate for transport is going to expire in a defined time period.</p> <p>STC ONE® does not currently have the ability to electronically alert the vendor/organization when the certificate for transport is going to expire. Functionality can be reviewed for future consideration.</p>			x		
4IO-OB-2.7	<p>The Solution should have the ability to store digital certificate information.</p> <p>STC ONE® has the ability to store digital certificate information. DevOps can manage and</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	apply certs for each jurisdiction during their maintenance windows.					
4IO-OB-2.11	<p>The Solution should have the ability to provide test message submission summary report to the EHR vendor.</p> <p>STC ONE® Data Exchange has the ability to provide test message submission summary report to the EHR vendor. This report is referred to as the Provider Detail Error Report which can be sent ad hoc or scheduled for reoccurring delivery.</p>	x				
4IO-OB-2.12	<p>The Solution should have the ability for EHR vendor to view details regarding the processing of test data in terms of errors and warnings in the messages.</p> <p>STC ONE® Data Exchange generates the Provider Detail Error Report (PDER) which provides the ability for EHR vendor to view details regarding the processing of test data in terms of errors and warnings in the messages. The PDER details</p>	x				

A	B	C				
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	errors and warnings in an easy-to-understand format. Additionally, errors and warnings are populated in the ACK message.					
4IO-IF-3.4	<p>The Solution should have the ability to view/schedule appointments for patient immunizations within the IIS or within an interfacing application.</p> <p>STC ONE® allows for the ability to document and view the next appointment date in the patient demographics. Scheduling can be achieved through additional development or integration.</p>			x		
4IO-IF-3.8	<p>The Solution should have the ability to batch export vaccine inventory for submission to VTrcks.</p> <p>STC ONE® has the ability to batch export vaccine inventory for submission to VTrckS in accordance with ExIS specifications. When approved orders are exported from STC ONE® the system generates VTrckS Provider Data Files this</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	includes the order inventory, order and master profile information.					
4IO-IF-3.9	<p>The Solution should have the ability to batch export vaccine ordering information for submission to VTrckS.</p> <p>STC ONE® has the ability to batch export vaccine ordering information for submission to VTrckS in accordance with ExIS specifications. When approved orders are exported from STC ONE® the system generates VTrckS Provider Data Files this includes the order inventory, order and master profile information.</p>	x				
4IO-IF-3.20	<p>The Solution should have the ability to prevent updates to IIS records.</p> <p>STC ONE® has the ability to prevent updates to IIS records in regard to Vital Records data. This data is flagged and there are business rules around Vital Records data to ensure key fields don't get overwritten by other provider data. In</p>	x				

A	B	C				
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	addition, interfaces can be established that are query only to prevent updates to the IIS.					
4IO-DE-4.7	<p>The Solution should have the ability to accept last prior version of HL7 messages.</p> <p>STC ONE® has the ability to accept last prior version of HL7 messages. STC ONE® follows HL7 2.5.1 based on CDC recommendation, however it can also accept HL7 2.3.1.</p>	x				
4IO-DE-4.8	<p>The Solution should have the ability to manually correct a submitted record and resubmit for processing.</p> <p>STC ONE® has the ability to manually correct a submitted record and resubmit for processing. This can be done in STC ONE® Data exchange by importing the Data for resubmission.</p>	x				
	Optional Data Quality Requirements					

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
5DQ-PMD-1.5	<p>The Solution should have the ability to generate electronic notification of potential duplicates for manual review.</p> <p>STC ONE® includes a queue within the system that will automatically indicate the records that need manual review.</p>	x				
	Optional Evaluation Forecast Requirements					
6EF-CDS-1.13	<p>The Solution should have the ability to display vaccine-specific contraindications according to CDC lists of vaccine contraindications.</p> <p>STC ONE® displays vaccine-specific contraindications that are defined by the CDC on the patient vaccinations screen.</p>	x				
6EF-CDS-1.16	The Solution should have the ability to generate a forecast of specific vaccines required for individuals who travel outside the U.S.	x				

A	B	C				
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	STC ONE® has the ability to generate a forecast of specific vaccines required for individuals who travel outside the US.					
6EF-CDS-1.17	<p>The Solution should have the ability to maintain historical records of effective dates of previous forecast schedules.</p> <p>The STC ONE® has the ability to maintain historical records of effective dates of previous forecast schedules. This is maintained in the forecast algorithm.</p>	x				
6EF-CDS-1.18	<p>The Solution should have the ability to review an immunization schedule that was appropriate at the time of administration.</p> <p>The STC ONE® forecast algorithm makes it unnecessary to review a previous immunization schedule as it automatically applies the schedule that was in effect when the vaccine was administered.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
6EF-CDS-1.19	<p>The Solution should have the ability to apply an immunization schedule that was appropriate at the time of administration.</p> <p>The STC ONE® forecast algorithm has the ability to apply an immunization schedule that was appropriate at the time of administration. This is done automatically.</p>	x				
6EF-CDS-1.22	<p>The Solution should have the ability to save test cases for reuse during user acceptance testing.</p> <p>STC ONE® has the ability to create test cases for reuse during user acceptance testing. This can be done in the STC ONE® TEST environment prior to upgrading the STC ONE® PROD environment.</p>	x				
6EF-CDS-1.23	<p>The Solution should have the ability to compare the expected results of the forecasting test case to the actual results observed by the tester.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® has the ability to compare the expected results of the forecasting test case to the actual results observed by the tester.					
6EF-RR-2.13	<p>The Solution should have the ability to generate vaccine recall notices by facility for substandard lots based on vaccine name, vaccination date range, lot number.</p> <p>STC ONE® has the ability to generate vaccine recall notices by facility for substandard lots based on vaccine name, vaccination date range, lot number. In STC ONE® this ability is available in Reminder/Recall as well as the Lot Usage and Recall Report.</p>	x				
6EF-RR-2.14	<p>The Solution should have the ability to generate vaccine recall notices by administering provider for substandard lots based on vaccine name, vaccination date range, lot number.</p> <p>STC ONE® has the ability to generate vaccine recall notices by administering provider. The Lot</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	Recall Report does contain the administering provider information. A list of patients administered a specific lot by PCP can be run using the Patient Detail report. This requirement could also be met through our Data Analytics team or additional development.					
6EF-RR-2.18	<p>The Solution should have the ability to generate a list of phone numbers for patients needing reminder/recall.</p> <p>STC ONE® Reminder/Recall has the ability to generate a list of phone numbers for patients needing reminder/recall. The Patient Recall Group Listing includes the patients name, birthday, guardian, phone number and chart number as well as the vaccinations due.</p>	x				
6EF-RR-2.20	The Solution should have the ability to flag patients to exclude before sending a reminder/recall notification.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® Reminder/Recall has the ability to flag patients to exclude before sending a reminder/recall notification. The patient can be excluded by unchecking the box next to their name in the R/R produced patient list. STC ONE® also includes a field on the patient record where the user can designate not to include the patient in any reminder/recall notices.					
6EF-RR-2.21	<p>The Solution should have the ability to establish a time interval between reminder recall notices (e.g., 90 days or 60 days).</p> <p>STC ONE® has the ability to establish a time interval between reminder recall notices. The Reminder/Recall Scheduler allows the user to specify who can access the report, who will receive the report and can be scheduled to run by day of month, month, day, etc.</p>	x				
6EF-RR-2.25	The Solution should have the ability to aggregate multiple notices going to the same address into one notification.					x

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	To safeguard PHI, Reminder/Recall notifications in STC ONE® are individual based.					
6EF-CR-3.5	<p>The Solution should have the ability to view and modify list of patients to be included in immunization coverage report.</p> <p>STC ONE® does not require patients to be selected for inclusion in the coverage rate report. To ensure an accurate coverage rate all active patients should be included in the report. Patients that are inactivated or deceased are automatically removed. If this is what is truly needed, we can meet this requirement through additional development.</p>	x				
	Optional Managed Patient Immunization Record Requirements					
7MPIR-AEPD-2.5	The Solution should have the ability to insert permanent comments in a patient's record that can be viewed based on role/permission.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® has the ability to insert permanent comments in a patient's record that can be viewed based on role/permission. Only users with the appropriate access level and permissions can view patient information.					
7MPIR-AEPD-2.11	<p>The Solution should have the ability to store multiple patient addresses.</p> <p>STC ONE® has the ability to store multiple patient addresses. An additional address can simply be entered and created. The patient demographic screen then allows for the selection of the primary address but still captures the previously entered addresses.</p>	x				
7MPIR-AEPD-2.12	<p>The Solution should have the ability to support multiple patient address type designations (e.g., primary address, vacation address).</p> <p>STC ONE® has the ability to support multiple patient address type designations. STC ONE®</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	requires that an address be indicated as primary or not, when entered					
7MPIR-AEPD-2.15	<p>The Solution should have the ability to store country information related to where the patient was born.</p> <p>STC ONE® has the ability to store country information related to where the patient was born using a drop-down menu. Information could also be added in the comments field.</p>	x				
7MPIR-AEPD-2.17	<p>The Solution should have the ability to record date patient address last verified as a United States Postal Service address (e.g., via SmartyStreets).</p> <p>STC ONE® has the ability to record date patient address last verified as a United States Postal Service address through the SmartyStreets integration.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
7MPIR-AEPD-2.21	<p>The Solution should have the ability to store mother's HBsAg status for a patient.</p> <p>The STC ONE® Disease Reporting module has the ability to store mother's HBsAg status for a patient by adding to the vaccination record.</p>	x				
7MPIR-AEPD-2.23	<p>The Solution should have the ability to designate patient as belonging to a priority group for vaccination.</p> <p>STC ONE® contains the functionality to designate patient as belonging to a priority population group. During a Mass Vaccination Event, patients can be identified and preloaded into the virtual waiting room based on their priority group which can be set in a variety of ways.</p>	x				
7MPIR-PS-3.7	The Solution should have the ability to edit multiple patients' status in one action.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® has the ability to edit multiple patients' status in one action using Inactivate Multiple Users and/or Physicians & Vaccinators.					
7MPIR-PS-3.13	<p>The Solution should have the ability to store reason for inactive status of patients at the geographic jurisdictional level.</p> <p>STC ONE® has the ability to store reason for inactive status of patients at the organizational/facility level using the comments field on the patient record. This requirement can be enhanced further through additional development.</p>	x				
7MPIR-PS-3.14	<p>The Solution should have the ability to restrict access to patient records that have been placed in an inactive status.</p> <p>Patient information in STC ONE® is viewable by all authorized users in the system unless the patient has opted out. In this scenario, only authorized users are able to view the patient</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	record. Permissions to restrict access to individual patient information is available as well.					
7MPIR-PS-3.15	<p>The Solution should have the ability to restrict edits to patient records that have been placed in an inactive status.</p> <p>STC ONE® allows patients in an inactive status to be updated by all authorized users of the system unless the patient has opted out. In this scenario, only certain users are able to view the patient record. Additional development is available to further meet this need.</p>	x				
7MPIR-AEPI-5.5	<p>The Solution should have the ability to add reason for deletion of vaccine information in a patient record.</p> <p>STC ONE® has the ability to add reason for deletion of vaccine information in a patient record. This information can be documented in the comments field of the patient details prior to the deletion or in the comments field on the</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	Patient Maintenance page. This requirement can be enhanced with additional development.					
7MPIR-AEPI-5.15	<p>The Solution should have the ability to print form for signature of vaccine refusal by patient for each individual vaccine antigen.</p> <p>STC ONE® allows for deferrals (refusal) to be documented on the patient record by vaccine which requires a deferral reason to be selected. This functionality is state-configurable. A form is not produced for signature however additional development is available.</p>			x		
7MPIR-PER-6.8	<p>The Solution should have the ability to export a patient record in user-defined format.</p> <p>STC ONE® has the ability to export a patient record in user-defined format through use of the Data Translation Tool which allows for a customized format of field output.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
7MPIR-MV-7.7	<p>The Solution should have the ability for jurisdictional admin to flag/indicate org/facility participation in mass vaccination event.</p> <p>STC ONE® allows for an "Additional Status" to be selected for an Organization/Facility in the Org/Facility Maintenance page that is Agency configurable that can be used to indicate participation in a mass vaccination event.</p>		x			
	Optional Managed Vaccine Inventory Requirements					
8MVI-AEVI-2.6	<p>The Solution should have the ability to support barcode scanning system to electronically upload vaccine inventory to the IIS.</p> <p>STC ONE® has the ability to support barcode scanning system to electronically upload vaccine inventory to the IIS. Inventory can be added in the Search/Add Inventory page by scanning a barcode.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
8MVI-VO-3.2	<p>The Solution should have the ability to alert user when "reorder recommendation" inventory level is reached.</p> <p>STC ONE® Inventory Management can be enhanced to include an alert on the Dashboard to indicate when reorder is recommended.</p>			x		
8MVI-VO-3.9	<p>The Solution should have the ability to view all orders by user-defined parameters.</p> <p>STC ONE® has the ability to view all orders by user-defined parameters. Search History under Orders & Returns allows for a view of all orders as does the Inventory Transaction Report.</p>	x				
8MVI-VO-3.27	<p>The Solution should have the ability to verify packing slip information after order is shipped.</p> <p>STC ONE® has the ability to verify packing slip information after order is shipped. The order information can be printed and compared to the</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	packing slip. The order can then be updated to reflect any minor differences prior to accepting the order into the virtual inventory.					
8MVI-VO-3.28	<p>The Solution should have the ability to receive electronic notification when order quantity received does not match vaccine order.</p> <p>STC ONE® Inventory Management does not have the ability to receive electronic notification when order quantity received does not match vaccine order.</p>					x
8MVI-VO-3.29	<p>The Solution should have the ability to receive electronic notification when vaccine order received is damaged.</p> <p>STC ONE® Inventory Management allows providers to mark inventory received as damaged when necessary. An alert can be developed to notify administrators when this occurs if necessary.</p>			x		

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
8MVI-VO-3.30	<p>The Solution should have the ability to request shipping label(s) for nonviable vaccine subject to return.</p> <p>STC ONE® has the ability to request shipping label(s) for nonviable vaccine subject to return. These can be generated only if the nonviable vaccine is eligible for return in accordance with the CDC guidelines.</p>	x				
8MVI-RAO-4.2	<p>The Solution should have the ability to support a rules-based decision logic to approve or reject order if above or below recommended order quantity.</p> <p>STC ONE® has the ability to support a rules-based decision logic to approve or reject order if above or below recommended order quantity. In STC ONE® the jurisdictional admin can specify the algorithm for recommended order quantity which is a queue to order approvers to approve or deny an order. To ensure that providers are able</p>			x		

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	to request orders outside of the recommended order quantity for valid clinic activities or influx the approve/deny decision is not automatically applied.					
8VMI-VIR-6.7	<p>The Solution should have the ability to print a reconciliation worksheet.</p> <p>STC ONE® has the ability to print a reconciliation worksheet. Users may print the Inventory Reconciliation Screen which generates in PDF.</p>	x				
8VMI-VIR-6.9	<p>The Solution should have the ability to connect with EHR or EMRs or otherwise allow those systems to update inventory levels for both vaccines and non-vaccines to keep the IIS and the EHR/EMRs aligned in inventory levels.</p> <p>STC ONE® has the ability to connect to any EHR or EMR system that meets the required HL7 specifications for 2.5.1 or 2.3.1.</p>	x				
8MVI-VT-7.1	The Solution should have the ability for jurisdictional admin to approve vaccine transfers.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® Inventory Management gives administrators the option of approving all vaccine transfers created.					
8MVI-VT-7.3	<p>The Solution should have the ability to accept VFC vaccine transfers.</p> <p>STC ONE® Inventory Management allows authorized users to create a vaccine transfer which, when approved and completed, will automatically reconcile the sending and receiving facility's inventory.</p>	x				
8MVI-VT-7.6	<p>The Solution should have the ability for jurisdictional admin to allow for direct vaccine transfer between facilities without jurisdictional pre-approval, but with jurisdictional visibility/oversight.</p> <p>STC ONE® Inventory Management gives administrators the option of approving all vaccine transfers created. In addition, transfers can be</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	configured to eliminate admin approval but still allow admins to maintain visibility of the transfer.					
8MVI-VE-9.2	<p>The Solution should have the ability to alert users to vaccine nearing expiration.</p> <p>STC ONE® has the ability to alert users to vaccine nearing expiration. The Inventory Management dashboard contains alerts regarding vaccines near expiration. In addition, the reconciliation screen has a visual marker of expired inventory or vaccines near expiration.</p>	x				
8MVI-VE-9.3	<p>The Solution should have the ability to provide alerts for inventory already expired.</p> <p>STC ONE® has the ability to provide alerts for inventory already expired. In STC ONE®, expired vaccine has a red indicator. In addition, the reconciliation screen has a visual marker of expired inventory.</p>	x				
	Optional Data Access Requirements					

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
9DA-SR-1.18	<p>The Solution should have the ability to generate a report to calculate a facility's average vaccine usage.</p> <p>STC ONE® Analytics has the ability to generate a report to calculate a facility's average vaccine usage. In addition, there are various reports within the application that can be exported to calculate average use.</p>	x				
9DA-AHQR-2.12	<p>The Solution should have the ability to create a map using geocodes for statistical reporting.</p> <p>STC ONE® Analytics has the ability to create a map using geocodes for statistical reporting. Maps can be fully customized to jurisdiction-specific needs and delivered at any frequency requested.</p>			x		
9DA-CA-4.8	The Solution should have the ability for authorized consumer to view immunization forecast.	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	The STC ONE® consumer application, MyIR Mobile has the ability for authorized consumers to view immunization forecast. Once the user is verified, they have access to all of their immunization information including forecast.					
9DA-CA-4.9	<p>The Solution should have the ability for authorized consumer to view patient information.</p> <p>The STC ONE® consumer application, MyIR Mobile has the ability for authorized consumers to view patient information. Once the user is verified, they have access to all of their immunization information including forecast.</p>	x				
9DA-CA-4.10	<p>The Solution should have the ability for authorized consumer to update contact, address, and demographic information for themselves and as a parent or guardian for their children.</p> <p>The Solution should have the ability for authorized consumer to update contact,</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	address, and demographic information for themselves and as a parent or guardian for their children.					
9DA-CA-4.12	<p>The Solution should have the ability for authorized consumer to view immunization records for their children or those whom they serve as guardian.</p> <p>STC ONE® Consumer Access allows verified consumers to view records for their children or others whom they serve as guardian.</p>	x				
9DA-CA-4.13	<p>The Solution should have the ability for patient/patient representative to opt in for reminder/recall notifications.</p> <p>STC ONE® Consumer Access allows users to interact with a chat bot, chat with a live agent or submit a request for assistance. These can all be configured to meet jurisdictional needs including</p>		x			

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	the ability to request opt in or out of reminder recall.					
9DA-CA-4.14	<p>The Solution should have the ability for patient/patient representative to opt in for reminder/recall notifications for their children or those whom they serve as guardian.</p> <p>STC ONE® Consumer Access allows users to interact with a chat bot, chat with a live agent or submit a request for assistance. These can all be configured to meet jurisdictional needs including the ability to request opt in or out of reminder recall.</p>		x			
9DA-CA-4.17	<p>The Solution should have the ability for a patient or parent guardian to see a list of IIS registered vaccination providers in their area using zip code (zip code entered by user, not from record).</p> <p>STC ONE® Consumer Access does not currently have the ability for a patient or parent guardian to see a list of IIS registered vaccination providers in</p>			x		

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	their area using zip code. This functionality can be provided prior to go live.					
	Optional Nonfunctional Requirements					
10NF-U-A-4.2	<p>The Solution should display system text in other languages upon user selection (Minimum requirement of English and Spanish, please specify any other display languages).</p> <p>Multi-language is not a current feature on MyIR®, however this capability will be available to all customers by quarter 1, 2024, prior to the completion of any new STC ONE® implementations. Once implemented, a menu that drops down from the top right-hand corner of the webpage used to access the consumer application will be available allowing the consumer to select from a variety of available</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	<p>languages. The language options are currently expected to include (US-Spanish,</p> <p>Burmese, Arabic, Punjabi, Mandarin, and Hakha Chan) but more languages can be requested and added to the system. Once the user has selected the language the webpage will reload, and all associated webpages will be presented in their chosen language. Only PDF documents and secured documents transferred from providers will be unable to be translated.</p>					
10NF-U-UEP-6.6	<p>The Solution should support spell check functionality with medical terminology for all free-text fields.</p> <p>STC ONE® has the ability to provide alert when required fields are left blank however does not currently support spell check. This functionality is available and can be provided at additional cost.</p>			x		

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
10NF-U-UF-7.1 (Performance - User interface)	<p>The Solution should support alerts related to user interface response time.</p> <p>STC ONE® is able to support alerts related to user interface response time based on browser functionality. All modernization efforts include containing additional alert functionality within the user interface of the application.</p>	x				
10NF-U-UF-7.2	<p>The Solution should support user feedback with a simple indicator for response times between 2-4 seconds.</p> <p>STC ONE® is able to support user feedback with a simple indicator for response times between 2-4 seconds.</p>	x				
10NF-U-UF-7.3	<p>The Solution should support user feedback with expected response time and percent-done indicator for response times greater than 4 seconds.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	STC ONE® is able to support user feedback with expected response time and percent-done indicator for response times greater than 4 seconds.					
10NF-U-UF-7.4	<p>The Solution should support users in stopping an operation expected to take longer than 10 seconds.</p> <p>STC ONE® is able to support users in stopping an operation expected to take longer than 10 seconds.</p>	x				
10NF-U-UF-7.5	<p>The Solution should support users in performing other tasks while waiting for the system to complete tasks expected to take longer than 10 seconds.</p> <p>STC ONE® is able to support users in performing other tasks while waiting for the system to complete tasks expected to take longer than 10 seconds.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
10NF-S-I-12.7	<p>The Solution should have the ability for automatic session timeout to be customized per jurisdictional policy.</p> <p>STC ONE® does not have the ability for automatic session timeout to be customized per jurisdictional policy. The default, regardless of jurisdiction is 30 minutes.</p>					x
10NF-S-I-12.8	<p>The Solution should have the ability to notify the user the session will expire.</p> <p>STC ONE® does not have the ability to notify the user the session will expire.</p>					x
10NF-M-A-15.2	<p>The Solution should have the ability for system admin to enable event logging on all servers.</p> <p>Event logging is automatically enabled on all STC ONE® instances.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
10NF-M-A-15.3	<p>The Solution should ability for system admin to enable event logging on all devices.</p> <p>Event logging is automatically enabled on all STC ONE® instances.</p>	x				
10NF-M-A-15.4	<p>The Solution should ability for system admin to disable event logging on all devices.</p> <p>Event logging cannot be disabled as it is essential to maintain a record of all system events such as login attempts, process creation and more.</p>					x
10NF-M-A-15.5	<p>The Solution should have the ability for system admin to limit access to event logs, including System, Application, Web and Database logs.</p> <p>STC ONE® has the ability for system admin to limit access to event logs, including System, Application, Web and Database logs. STC ONE® supports the restriction of user access through RBAC.</p>	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
10NF-P-I-17.2	<p>The Solution should have the ability to be containerized for cloud-based environments.</p> <p>STC ONE® can be containerized (e.g., Docker or Kubernetes) to support easy installation and system updates. STChealth utilizes best in class containerization tools including Docker and Kubernetes, as we continue to modernize, we are taking a micro-services-based approach.</p>	x				
	Optional State Specific Requirements					
11SS-KOHA-5.3	<p>The Solution should have the ability to populate checkbox from exported data from the KOHA system.</p> <p>STChealth can work with Michigan to define and scope this functionality if needed. This work is not included in the cost proposal.</p>			x		
11SS-W-6.6	The Solution should have the ability for providers to enter a medical waiver and for that waiver to appear on IIS records to help indicate	x				

A	B	C				
Business Specification Number	Business Specification	Current Capability	Requires Configuration	Requires Customization	Future Enhancement	Not Available
	<p>contraindications and as clinical information for providers.</p> <p>STC ONE® has the ability for providers to enter a medical waiver which can appear on IIS records to help indicate contraindications and as clinical information for providers.</p>					
11SS-SCD-13.5	<p>The Solution should have the ability to record follow up information on patients for contact by phone or physical mail.</p> <p>STC ONE® contains fields for authorized users to record follow up information for patients as needed.</p>	x				

SCHEDULE B - PRICING

1. Hosting, Licensing & Support Service Fees.

The pricing is a SaaS Model with ongoing monthly payments in the areas; pricing is a tiered model based on the price considerations under Attachment 2. The below table shows the SaaS fees post implementation which are scheduled to go into effect starting month 17th or after any Go-Live date, whichever comes first.

Table A. Annual Hosting, Licensing, & Support Service Fees

Cost Areas	8-months of Hypercare & 4-months standard Ongoing Success	12-months Ongoing Success	12-months Ongoing Success
Total Cost + 1% Administrative Fees	\$1,852,990.78	\$1,809,303.56	\$1,905,741.77

**Table B. Monthly Breakdown
SaaS Monthly Payment Invoice Schedule**

	8-months of Hypercare & 4-months standard Ongoing Success Monthly Payment	12-months Ongoing Success	12-months Ongoing Success
Total Cost + the 1% Administration Fees – Monthly Payments	\$154,415.90	\$150,775.30	\$158,811.81

Table C. SaaS Packages Breakdown

Cost Areas	8-months of Hypercare & 4-months standard Ongoing Success	12-months Ongoing Success	12-months Ongoing Success
Subscription Products			
STC ONE Essentials Package Annual Costs (SaaS Model)	\$1,040,625.00	\$1,103,062.50	\$1,169,246.25

Enterprise Version Based on Population Size and Data Volumes	\$200,000.00	\$200,000.00	\$200,000.00
Product documentation and Customer Hub	Included	Included	Included
Standard Document Management	Included	Included	Included
Customer Success & Product Support (Help Desk)	Included	Included	Included
QA	Included	Included	Included
STC ONE Essentials Reports & Analytics	Included	Included	Included
LMS	\$50,000.00		
Provider Support Managed Services	\$83,333.33		
Hypercare Services (Enhanced Support Services)	Included		
Training Services & LMS	Included		
Third-Party Software License Costs	Included	Included	Included
DevSecOps	Included	Included	Included
Cloud Hosting Fees	Included	Included	Included
Maintenance Fees	Included	Included	Included
SaaS STC ONE Essentials - Enterprise Solution	\$1,373,958.33	\$1,303,062.50	\$1,369,246.25

Table D. Subscription Licensing Cost

Subscription License and Price			
Cost Areas	8-months of Hypercare & 4-months standard Ongoing Success	12-months Ongoing Success	12-months Ongoing Success
Added SaaS Component Costs			
Read Replica for Data Pipeline	\$ 89,436.00	\$ 94,802.16	\$ 100,490.29
Additional Modules Already Meeting Requirements			

School Nurse Module	\$ 18,000.00	\$ 19,080.00	\$ 20,224.80
Oral Health -	\$ 45,000.00	\$ 47,700.00	\$ 50,562.00
Lead Module -	\$ 65,000.00	\$ 68,900.00	\$ 73,034.00
Advanced Analytics Package	\$ 75,000.00	\$ 79,500.00	\$ 84,270.00
Newborn Screening Module SaaS	\$ 120,750.00	\$ 127,995.00	\$ 135,674.70
Additional MCIR Enhancements to meet Requirements in Table 1 of the Business Specification ongoing SaaS	\$ 47,500.00	\$ 50,350.00	\$ 53,371.00
Onboarding (forms) Create Master Labels Create Mailing labels School Waivers Flu Pre-booking Report McKinney Vento FERPA consent Compliance Report by Building or Compliance McKinney Vento reports Create IP-100/IP-101 Create Birth Certificates Report Create Last Physical report Create CA-60 labels			

Licensing and Hosting costs will be paid after installation, configuration, and State testing and acceptance of the core solution.

2. Implementation Fees.

All costs associated with Implementation Services are included below (e.g. configuration, customization, migration, integration, testing, etc.) (the “Implementation Fees”). All costs are firm fixed.

All implementation fees are inclusive of the items listed within Table A during the implementation period, which comprises the initial anticipated contract period of October 1, 2024, through

September 30, 2026. While the totals are displayed in Table A above, the payment schedule is as follows.

- All SaaS fees are billed monthly.
- During implementation the system set-up and training is all covered under 40% of the annual SaaS fee as illustrated in Table A and billed monthly in the arears
- All project change management implementation tasks are billed monthly.
- All new enhancements or professional services will require a change notice which includes a quote and statement of work. .

See the WBS structure for the planned deliverable dates and schedule. Payments and the invoice schedule are in the table below for the implementation fees and payment schedule for each key component and activity for the initial 16-month implementation period.

Table E. Summary of Implementation

Initial Contract Period & Implementation Oct 1, 2024 - Jan 31, 2026		
Cost Areas	Targeted 12-month Implementation	Continued implementation, Go-live transition with 4 months of Hypercare SaaS
Implementation Project and Change Management Tasks -billed at 1/12 first 12 months or 1/4 (month 13 - 16) increments Plus 1% admin	\$1,099,486.00	\$80,800.00
New Development Plus 1% admin	\$1,728,362.50	\$56,644.17
SaaS Items billed at 1/12 first 12 months or 1/4 (month 13 - 16) increments plus 1% admin fee	\$1,113,474.50	\$516,130.54
Total Cost + 1% Administrative Fees	\$3,941,323.00	\$653,574.70
Total first 16 Months	\$4,594,897.70	

Table F. Implementation Breakdown:

Initial Contract Period & Implementation Oct 1, 2024 - Jan 31, 2026	
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Cost Areas	Targeted 12-month Implementation	Continued implementation, Go-live transition with 4 months of Hypercare SaaS
Subscription Products	Annual License Subscription Fee - Unlimited Users	
STC ONE Essentials Package Annual Costs (SaaS Model) at 40% of the Ongoing Annual SaaS During Implementation and 100% at go live currently targeted for December 2025	\$416,250.00	\$346,875.00
Enterprise Version Based on Population Size and Data Volumes	\$200,000.00	\$66,666.67
Product documentation and Customer Hub	Included	Included
Standard Document Management	Included	Included
Customer Success & Product Support (Help Desk)	Included	Included
QA	Included	Included
STC ONE Essentials Reports & Analytics	Included	Included
LMS	Included	Included
Provider Support Managed Services	Included	Included
Hypercare Services (Enhanced Support Services)	Included	Included
Training Services & LMS	Included	Included
Third-Party Software License Costs	Included	Included
DevSecOps	Included	Included
Cloud Hosting Fees	Included	Included
Maintenance Fees	Included	Included
SaaS STC ONE Essentials - Enterprise Solution	\$616,250.00	\$413,541.67
Implementation Tasks		
Data Conversion	\$600,000.00	
Change Management Contractor Costs	\$93,600.00	\$25,000.00
Project & Change Management & Implementation Tasks (Training), including all written deliverables	\$395,000.00	\$55,000.00
Subtotal Implementation Costs	\$1,088,600.00	\$80,000.00
Added Development Component Costs		
Data Pipeline		
Read Replica for Data Pipeline	\$325,000.00	\$29,812.00
Additional Modules Already Meeting Requirements		
School Nurse Module (40% SaaS for Implementation)	\$7,200.00	\$6,000.00
Oral Health - (40% SaaS for Implementation)	\$18,000.00	\$15,000.00
Lead Module - (40% SaaS during Implementation)	\$26,000.00	\$21,666.67

Advanced Analytics Package	\$30,000.00	\$25,000.00
Newborn Screening Module Components		
Newborn Screening Module Development & Ongoing SaaS New Development	\$341,250.00	\$40,250.00
Sickle Cell Modification as Part of Newborn (see full case management under optional items) New Development	\$80,000.00	
Early Hearing Detection and Intervention New Development	\$315,000.00	
Vision Module New Development	\$270,000.00	
Additional MCIR Enhancements to meet Requirements in Table 1 of the Business Specification - New Development		
Onboarding (forms)	\$125,000.00	\$4,166.67
Create Master Labels	\$100,000.00	\$3,333.33
Create Mailing labels	\$100,000.00	\$3,333.33
School Waivers	\$150,000.00	\$5,000.00
Flu Pre-booking Report	\$15,000.00	\$0.00
McKinney Vento	\$15,000.00	\$0.00
FERPA consent	\$10,000.00	\$0.00
Compliancy Report by Building or Compliancy	\$50,000.00	\$0.00
McKinney Vento reports	\$50,000.00	\$0.00
Create IP-100/IP-101	\$50,000.00	\$0.00
Create Birth Certificates Report	\$20,000.00	\$0.00
Create Last Physical report	\$50,000.00	\$0.00
Create CA-60 labels	\$50,000.00	\$0.00
Subtotal Enhancement & Additional Modules Costs	\$2,197,450.00	\$153,562.00
SaaS + Implementation + Development	\$3,902,300.00	\$647,103.67
Total Cost + 1% Administrative Fees	\$3,941,323.00	\$653,574.70
Initial Contract Period (16 months) plus 1% admin	\$4,594,897.70	

All milestones and deliverables are based on the submitted WBS and include the 1% Administrative Fees.

Table G. Milestones & Invoice Table

Milestone Event	Associated Milestone Deliverable(s)	Days after Contract	%	Invoice Amount
Project planning	Project Kickoff	Contract execution + 9 calendar days	1%	\$59,842.50
Vendor-created trainings provided to SOM Communication, Education, and Training Unit	Vendor training documents, videos, and/or website(s)	Contract execution + 31 calendar days	2%	\$79,790.00
Provision Environments: Test instance available for access, and configuration begins	Access to the test instance with logins for MICR Staff. This initiates the enterprise fee.	Contract execution + 90 calendar days	4%	\$202,000.00
Ongoing SaaS Fees at 40% of the Ongoing Annual SaaS During Implementation	Upon access to the test environment (production will be accessible through data migration). 12 months of payments of \$69,149.61 per month.	Contract execution + 110 calendar days (with subsequent monthly payments at 140, 170, 200, 230, 260, 290, 310, 340, 370, 400, and 430 days	18%	\$838,089.58
Requirements and Design Validation for all new development items listed in the plan based on the design	Validation sessions, Final Requirement Validation DocumentFinal Design Document Final Implementation Document	Contract execution + 145 calendar days	21%	\$945,587.25

Milestone Event	Associated Milestone Deliverable(s)	Days after Contract	%	Invoice Amount
phase of review of jobs to be done process.				
Configuration of Software	Final Solution and Configuration (Design Specifications Document) and Future State report Document	Contract execution + 123 calendar days	1%	\$47,874.00
Testing and Acceptance	Final Test Plan Report, Final Training Documentation, Final Acceptance	Contract execution + 153 calendar days	1%	\$51,863.50
Production system is available to access	User interface available for production access	Contract execution + 214 calendar days	7%	328,250.00
OCM Plan Finalized	Identified stakeholder checklists, and communication planning for all change management activities	Contract execution + 203 calendar days	2%	\$94,536.00
Flat file exchange activated	Data exchange Cvia file upload (EXT, .csv) completed via Solution.	Contract execution + 214 calendar days	1%	\$59,842.50
IZ Gateway Connections activated	IZ Gateway data from exchange partners to be ingested via Solution. This is dependent on CDC acceptance and is planned through the	Contract execution + 245 calendar days (will need to be coordinated with go-live)		N/A

Milestone Event	Associated Milestone Deliverable(s)	Days after Contract	%	Invoice Amount
	current STChealth DVC contract with CDC.			
All other HL7 traffic activated for testing readiness through the HIE.	All HL7 message traffic to be ingested via Solution.	Contract execution + 276 calendar days	2%	\$99,737.50
Pilot activated with ImmsLink connections within production	User interface training provided to the state program staff to ensure review of data and to help prepare the rollout of all providers on the go-live date	Contract execution + 326 calendar days	1%	\$55,550.00
MVP demos for items marked as new development	Demo completed	Contract execution +350 calendar days	21%	\$945,587.25
UAT Testing Complete	UAT completion document	Contract execution + 369 calendar days	1%	\$25,250.00
All Geographic regions fully transitioned to new system.	User interface training to be managed by the State. Some configuration changes may be required. Go-Live Date and Cutover	cc	3%	\$138,205.80
Post Production Go-Live Implementation Wrap-Up Activities	Submitted report outlining lessons learned and stabilization period results.	Contract execution +485 calendar days	0%	\$15,356.20

Milestone Event	Associated Milestone Deliverable(s)	Days after Contract	%	Invoice Amount
Post Production Warranty	Included in the cost of Solution. This is included in monthly SaaS Fee during the HyperCare Period total is reflected in section B3 under the SaaS fee table.	Production Go Live + 180 days		N/A See monthly SaaS breakdown for HyperCare
Production Support Services	Ongoing after Final Acceptance. This is included in the monthly SaaS Fee during the HyperCare and Ongoing Success Periods. The total is reflected in section B3 under the SaaS fee table.	Ongoing		N/A See monthly SaaS breakdown for HyperCare and Ongoing Success
Total			87%	\$3,988,897.70

Table H. Data Migration will be invoiced per the below schedule:

Data Migration	Conversion and migration of Legacy Data
1. Successful Migration of Users and Facility Data in Test Environment (UID 79)	\$ 200,000
2. Sign-off on all migrated data in Test Environment (UID 1204)	\$ 200,000
3. Production Data Migration Complete (UID 1205)	\$ 200,000
TOTAL	\$ 600,000.00

3. Postproduction Warranty. Notwithstanding the State’s obligation of payment as set forth in this Schedule, the Contractor must provide a 180 calendar days postproduction warranty at no cost to the

State. The postproduction warranty will meet all requirements of the Contract, including all Support Services identified in Schedule D.

4. Rate Card for Ancillary Professional Services.

These rates are for 2024 - 2026. The State and Contractor will negotiate a new rate card after the base years not to exceed 4%.

Table I. Rate Card

Resource	On-Site Hourly Rate
Resource - Labor Category Specified	Off and On-site - 2024 Hourly Rate
STC ONE Platform Application Support	\$ 108.79
Provider IIS Support	\$ 90.84
Consumer Access Support	\$ 77.08
Senior Trainer	\$ 125.80
Training Specialist	\$ 84.13
Customer Success Concierges	\$ 102.43
Sr. Consultant II	\$ 218.52
Consultant & Business Analyst	\$ 145.75
Sr. Consultant I	\$ 172.64
Sr. Project Manager PMP	\$ 219.20
Project Manager PMP	\$ 193.61
Project Coordinator	\$ 132.21
Sr. Interface Implementation Specialist	\$ 116.10
Interface Onboarding Facilitator	\$ 101.83
Interface Implementation Specialist	\$ 80.58
Business Intelligence Analyst	\$ 119.71
Sr. Epi PhD	\$ con234.00
Sr. Data Scientist Analyst	\$ 170.73
Data Scientist Analyst I	\$ 106.02
Data Scientist Analyst II	\$ 136.55
Sr. Product Manager	\$ 198.45
Product Manager	\$ 173.45
DevOps Engineer	\$ 170.73
DevOps Engineer Jr	\$ 132.89
Software Engineer Lead	\$ 191.60
Software Engineer III	\$ 159.39
Software Engineer II	\$ 139.17
Sr. Software Engineer	\$ 209.99
Sr. Database Engineer	\$ 178.61
QA Engineer	\$ 112.71
Software Engineer in Test	\$ 148.88

Solutions Architect	\$	211.97
UX Specialist	\$	129.40
Corporate Monitor	\$	245.29

5. RESERVE

6. RESERVE

7. Additional Pricing Terms

The Contractor is encouraged to offer quick payment terms. The number of days must not include processing time for payment to be received by the Contractor's financial institution.

Quick payment terms: ___1___ % discount off invoice if paid within ___10___ days after receipt of invoice.

If Contractor reduces its prices, or offers a lower price to any other entity, private or public, for any of the software or services during the term of this Contract, the State shall have the immediate benefit of such lower prices for new purchases. Contractor shall send notice to the State's Contract Administrator with the reduced prices within fifteen (15) Business Days of the reduction taking effect.

Invoice Requirements

All invoices submitted to the State must include: (a) date; (b) purchase order or delivery order; (c) quantity; (d) description of the Solution; (e) unit price; (f) shipping cost (if any); (g) Contractor-generated invoice number and (h) total price.

Travel and Expenses

The State does not pay for overtime or travel expenses.

ATTACHMENT 1 – OPTIONAL PRICING ITEMS

Additional extendable modules of the STC|ONE® platform may be added during later stages as the program’s needs evolve.

Item	SaaS Monthly Fee
High Availability STC ONE Essentials SLA Package (only required if the	\$59,603.00
LMS Annual Subscription after Hypercare	\$6,250.00
Additional instance non-production per instance	\$10,416.00
Additional instance that includes production data per instance per year	\$26,675.00
Comprehensive Sickle Cell Case Management System	Onetime Implementation & Configuration: \$655,000. Ongoing Monthly: \$7,169 for up to 525 support hours and 20 user seats.
Provider support with full call center support Gold Level after Hypercare concludes.	\$21,656.00
Training Subscription Service – Quarterly years 3, 4, 5. Program Users / End Users	\$10,000 for Program Users Per Quarter \$20,000 for End Users Per Quarter
Enhanced Analytics Packages (Traditional ranges provided)	\$2,500 - \$5,000
Enhanced Document Center Plus SaaS Subscription up to 10TB of storage	Onetime Implementation/Configuration: \$150,000 Monthly SaaS: \$5,0000
Optional Requirements from Table 1 of the Business Specifications Worksheet marked as “requires customization” <i>This is listed as optional as these items may be accomplished through other ATC one application features. As a TBD, the price is included as optional, but not a specific line item under Table A of this proposal as these are optional items</i>	\$249,000.00

ATTACHMENT 2 - PRICING CONSIDERATIONS

Contractor prices herein include the following considerations:

All included modules are configurable to meet the needs outlined in the Contract.

STC|ONE® IIS solution standard implementation changes will include:

1. One school-based official immunization certificate is included with the package supporting a printable PDF (Note: some states have multiple certificates, and any number can be provided, though only one standard is included in the price estimate – a standard cost per additional certificate is in the \$35K-\$50K range).
2. MCIR logo branding in the application is included in the price. This will support one MCIR logo and provide a homepage for the user community. The price consists of utilizing the functionality within STC|ONE® to create the standard home page layout.
3. The STC|ONE® IIS package for MCIR is a SaaS offering. Anything the state requires that falls outside the standard package or is not listed in the included or optional cost section requires a detailed review and a cost estimate.

All pricing comprises all necessary costs, including all labor and materials to deliver the Services as specified in this Contract.

Contractor's package includes the standard STC|ONE® IIS Essentials Package, an Enterprise release along with SLA and O-auth features. Items referenced as custom or add-on modules in the solution are not included in the provided cost. These areas can be added as optional levels of service later on in the engagement if needed.

Implementation will occur throughout the initial contract period, and the implementation period covers the following items:

- Project management and Change control.
- STC|ONE® staff on assigned product teams.
- Annual background and drug tests for key program staff.
- Immediate involvement in the STC|ONE® User Consortium.
- Contractor will also provide a train-the-trainer model for the Term of the Contract. The State may use this function for any end-user training that cannot occur during the provided training as part of the Go-Live. The State may elect to engage Contractor to assist with additional training services if needed. Other training services are provided in the optional pricing.
- A subscription to STC|U™: Learning Management System (LMS), a complete user capacity building and retention program, is only included through the first year after implementation in the performance period but is included as an option for the out years.
- During the project's initial phase, Michigan staff may participate in a User Acceptance Demonstration utilizing the Contractor quality control and testing protocols for our IIS platform testing.
- All interfaces with partners will follow standard methods for integration using existing capabilities of the STC|ONE® Platform, which currently meets 2.5 HL7 standards.
- Vaccine providers (pharmacies, schools, EHRs) in Michigan that currently use the national STChealth Information Network to report immunization data will be rapidly onboarded as part of the project's initial phase. This establishes immediate connectivity to many of the state's user community.
- Training will be provided on how to use the STC|ONE® HL7 system for HL7 onboarding to onboard current HL7 submitters. MDHHS may contract with Contractor's Interoperability Center of Excellence to onboard new providers to the MCIR application.
- All training materials and user documentation will be based on the STC|ONE® Platform. MDHHS may edit any materials and add branding as deemed necessary using their resources.
- Provided test scripts will be the standard STC|ONE® Platform test documents.
- After Go-Live, Contractor will provide Hypercare service and provider support service through the first option year (12 months after go-live), and this additional support is included in the base performance period. Contractor will transition the State to the standard service model as part of the option periods. Hypercare services are also included as optional in years 4 and 5.

- As the State begins participating in the STC|ONE® consortium, Contractor will facilitate pairing staff with an STC|ONE® leadership mentor.
- Application development and engineering occur through Contractor's Arizona development headquarters. There will be a requirement for travel for on-site meetings to ensure a successful implementation. These travel costs are included in the Contractor SaaS subscription model. Also included in the subscription fee is a trip to the annual State immunization conference for staff to join and participate as needed.
 - We recommend and offer the State the opportunity at any time throughout the contract term to visit Arizona and meet with team members, developers, support, and all participating staff. These types of costs do not apply to the price.
- Travel is also recommended to allow team members to visit one-on-one with key vaccine providers and key stakeholders in the state. These trips are instrumental to building the value-added relationships meaningful to successful implementations. The Contractor operational model does not merely provide IT tools but focuses on the user communities challenged with all issues within the VPD environments. Travel is a key component. For this type of end-user travel, three such trips with 2-3 member teams per year are included in the subscription fee. If at some point we jointly agree on an additional value for more similar trips we would appreciate the opportunity to discuss no-cost reimbursements for extended travel needs if such trips are approved.
- The prices are based on the population size of the jurisdiction and the calculated data exchange transactions to Michigan during the year. The STC|ONE pricing structure includes several tiers that support enterprise-level IT and technology cost changes required to process the added loads at the required performance. For Michigan, STChealth is including up to 35 million HL7 data exchanges (queries and reports) annually. This estimate is based upon the assessment of the data exchanges found in another STChealth state of similar size regarding populations and IIS users. Contractor reserves the right to request an adjustment to support the technology and service level increases and has additional tier and overage levels available depending on Michigan final numbers.
 - Executive Reports Package:
 - Reports that provide an aggregate cross-section view of current IIS data represented in graphs, charts, and other visuals stratified by geography, demographics, etc. Does not provide row-level data.
 - Benefits: Identifies actionable trends for public health personnel, gaps in data at rest, areas that can improve the state of the registry, and vaccine opportunities.

- Current Reports: Childhood 7 Series, Data Anomalies, Demographic Data Quality, Funding Source, PCV, Shingrix Opportunities, Invalid Vaccinations, and Monkeypox.
- Delivered via email or SFTP at the designated cadence.
- Dashboards Package:
 - Benefit: Easy to read and interactive data visualizations. Accessible through STChealth's web-based intelligence platform & provide key metrics and opportunities stratified geographically and viewed at an aggregate level or drilled down to patient/event row-level data.
 - It is connected to live databases, local flat files, and cloud-based flat file connections, depending on the data set.
 - Current Dashboards: Revised COVID Series Complete & Opportunities, Updated Flu, Shingrix Opportunities, PCV Opportunities, & Monkeypox.
- Provider support services are included through the first year after go-live (year 3). Provider support recommended for years 4 and 5. Provider support assumptions:

Contractor will provide an initial Question and Answer template that the State Immunization Program Staff will use to outline the specific roles and responsibilities of

SCHEDULE C - INSURANCE REQUIREMENTS

1. General Requirements. Contractor, at its sole expense, must maintain the insurance coverage as specified herein for the duration of the Term. Minimum limits may be satisfied by any combination of primary liability, umbrella or excess liability, and self-insurance coverage. To the extent damages are covered by any required insurance, Contractor waives all rights against the State for such damages. Failure to maintain required insurance does not limit this waiver.

2. Qualification of Insurers. Except for self-insured coverage, all policies must be written by an insurer with an A.M. Best rating of A- VII or higher unless otherwise approved by DTMB Enterprise Risk Management.

3. Primary and Non-Contributory Coverage. All policies for which the State of Michigan is required to be named as an additional insured must be on a primary and non-contributory basis.

4. Claims-Made Coverage. If any required policies provide claims-made coverage, Contractor must:

- a. Maintain coverage and provide evidence of coverage for at least 3 years after the later of the expiration or termination of the Contract or the completion of all its duties under the Contract;
- b. Purchase extended reporting coverage for a minimum of 3 years after completion of work if coverage is cancelled or not renewed, and not replaced with another claims-made policy form with a retroactive date prior to the Effective Date of this Contract.

5. Proof of Insurance.

- a. Insurance certificates showing evidence of coverage as required herein must be submitted to DTMB-RiskManagement@michigan.gov within 10 days of the contract execution date.
- b. Renewal insurance certificates must be provided on annual basis or as otherwise commensurate with the effective dates of coverage for any insurance required herein.
- c. Insurance certificates must be in the form of a standard ACORD Insurance Certificate unless otherwise approved by DTMB Enterprise Risk Management.

d. All insurance certificates must clearly identify the Contract Number (e.g., notated under the Description of Operations on an ACORD form).

e. The State may require additional proofs of insurance or solvency, including but not limited to policy declarations, policy endorsements, policy schedules, self-insured certification/authorization, and balance sheets.

f. In the event any required coverage is cancelled or not renewed, Contractor must provide written notice to DTMB Enterprise Risk Management no later than 5 business days following such cancellation or nonrenewal.

6. Subcontractors. Contractor is responsible for ensuring its subcontractors carry and maintain insurance coverage.

7. Limits of Coverage & Specific Endorsements.

Required Limits	Additional Requirements
Commercial General Liability Insurance	
Minimum Limits: \$1,000,000 Each Occurrence \$1,000,000 Personal & Advertising Injury \$2,000,000 Products/Completed Operations \$2,000,000 General Aggregate	Contractor must have their policy endorsed to add “the State of Michigan, its departments, divisions, agencies, offices, commissions, officers, employees, and agents” as additional insureds using endorsement CG 20 10 11 85, or both CG 20 10 12 19 and CG 20 37 12 19.
Automobile Liability Insurance	
If a motor vehicle is used in relation to the Contractor's performance, the Contractor must have vehicle liability insurance on the motor vehicle for bodily injury and property damage as required by law.	
Workers' Compensation Insurance	
Minimum Limits: Coverage according to applicable laws governing work activities.	Waiver of subrogation, except where waiver is prohibited by law.
Employers Liability Insurance	
Minimum Limits: \$500,000 Each Accident \$500,000 Each Employee by Disease \$500,000 Aggregate Disease	
Privacy and Security Liability (Cyber Liability) Insurance	

Required Limits	Additional Requirements
Minimum Limits: \$1,000,000 Each Occurrence \$1,000,000 Annual Aggregate	Contractor must have their policy cover information security and privacy liability, privacy notification costs, regulatory defense and penalties, and website media content liability.
Professional Liability (Errors and Omissions) Insurance	
Minimum Limits: \$3,000,000 Each Occurrence \$3,000,000 Annual Aggregate	

8. Non-Waiver. This Schedule C is not intended to and is not to be construed in any manner as waiving, restricting or limiting the liability of either party for any obligations under this Contract, including any provisions hereof requiring Contractor to indemnify, defend and hold harmless the State.

SCHEDULE D – SERVICE LEVEL AGREEMENT

1. For purposes of this Schedule, the following terms have the meanings set forth below. All initial capitalized terms in this Schedule that are not defined in this **Schedule** shall have the respective meanings given to them in the Contract Terms and Conditions. **“Actual Uptime”** means the total minutes in the Service Period that the Hosted Services are Available.

“Availability” has the meaning set forth in **Subsection 2.1**.

“Availability Requirement” has the meaning set forth in **Subsection 2.1**.

“Available” has the meaning set forth in **Subsection 2.1**.

“Contact List” means a current list of Contractor contacts and telephone numbers set forth in the attached **Schedule D – Attachment 1** to this Schedule to enable the State to escalate its Support Requests, including: (a) the first person to contact; and (b) the persons in successively more qualified or experienced positions to provide the support sought.

“Corrective Action Plan” has the meaning set forth in **Subsection 3.9**.

“Critical Service Error” has the meaning set forth in **Subsection 3.5, Support Request Table**.

“Exceptions” has the meaning set forth in **Subsection 2.2**.

“High Service Error” has the meaning set forth in **Subsection 3.5, Support Request Table**.

“Low Service Error” has the meaning set forth in **Subsection 3.5, Support Request Table**.

“Medium Service Error” has the meaning set forth in **Subsection 3.5, Support Request Table**.

“Resolve” has the meaning set forth in **Subsection 3.6**.

“RPO” or **“Recovery Point Objective”** means the maximum amount of potential data loss in the event of a disaster.

“RTO” or **“Recovery Time Objective”** means the maximum period of time to fully restore the Hosted Services in the case of a disaster.

“Scheduled Downtime” has the meaning set forth in **Subsection 2.3**.

“Scheduled Uptime” means the total minutes in the Service Period.

“Service Availability Credits” has the meaning set forth in **Subsection 2.6(a)**.

“Service Error” means any failure of any Hosted Service to be Available or otherwise perform in accordance with this Schedule.

“Service Level Credits” has the meaning set forth in **Subsection 3.8**.

“Service Level Failure” means a failure to perform the Software Support Services fully in compliance with the Support Service Level Requirements.

“Service Period” has the meaning set forth in **Subsection 2.1**.

“Software Support Services” has the meaning set forth in **Section 3**.

“State Systems” means the information technology infrastructure, including the computers, software, databases, electronic systems (including database management systems) and networks, of the State or any of its designees.

“Support Hours” means 24 hours, 7 days a week.

“Support Request” has the meaning set forth in **Subsection 3.5**.

“Support Service Level Requirements” has the meaning set forth in **Subsection 3.4**.

2. Service Availability and Service Availability Credits.

2.1 Availability Requirement. Contractor will make the Hosted Services and Software Available, as measured over the course of each calendar month during the Term and any additional periods during which Contractor does or is required to perform any Hosted Services (each such calendar month, a **“Service Period”**), at least 99.98% of the time, excluding only the time the Hosted Services are not Available solely as a result of one or more Exceptions (the **“Availability Requirement”**). **“Available”** means the Hosted Services and Software are available and operable for access and use by the State and its Authorized Users over the Internet in material conformity with the Contract. **“Availability”** has a correlative meaning. The Hosted Services and Software are not considered Available in the event of a material performance degradation or inoperability of the Hosted Services and Software, in whole or in part. The Availability Requirement will be calculated for the Service Period as follows: $(\text{Actual Uptime} - \text{Total Minutes in Service Period Hosted Services or Software are not Available Due to an Exception}) \div (\text{Scheduled Uptime} - \text{Total Minutes in Service Period Hosted Services or Software are not Available Due to an Exception}) \times 100 = \text{Availability}$.

2.2 Exceptions. No period of Hosted Services degradation or inoperability will be included in calculating Availability to the extent that such downtime or degradation is due to any of the following (**“Exceptions”**):

- (a) Failures of the State’s or its Authorized Users’ internet connectivity;
- (b) Scheduled Downtime as set forth in **Subsection 2.3**.

2.3 Scheduled Downtime. Contractor must notify the State at least twenty-four (24) hours in advance of all scheduled outages of the Hosted Services or Software in whole or in part (**“Scheduled Downtime”**). All such scheduled outages will: (a) last no longer than five (5) hours; (b) be scheduled between the hours of 12:00 a.m. and 5:00 a.m., Eastern Time; and (c) occur no more frequently than once per week; provided that Contractor may request the State to approve extensions of Scheduled

Downtime above five (5) hours, and such approval by the State may not be unreasonably withheld or delayed.

2.4 Software Response Time. Software response time, defined as the interval from the time the end user sends a transaction to the time a visual confirmation of transaction completion is received, must be less than two (2) seconds for 98% of all transactions, with the exclusion of reports and reporting. Unacceptable response times shall be considered to make the Software unavailable and will count against the Availability Requirement.

2.5 Service Availability Reports. Within thirty (30) days after the end of each Service Period, Contractor will provide to the State a report describing the Availability and other performance of the Hosted Services and Software during that calendar month as compared to the Availability Requirement. The report must be in electronic or such other form as the State may approve in writing and shall include, at a minimum: (a) the actual performance of the Hosted Services and Software relative to the Availability Requirement; and (b) if Hosted Service performance has failed in any respect to meet or exceed the Availability Requirement during the reporting period, a description in sufficient detail to inform the State of the cause of such failure and the corrective actions the Contractor has taken and will take to ensure that the Availability Requirement are fully met.

2.6 Remedies for Service Availability Failures.

(a) If the actual Availability of the Hosted Services and Software is less than the Availability Requirement for any Service Period, such failure will constitute a Service Error for which Contractor will issue to the State the credits described in the Service Availability Table below on the fees payable for Hosted Services and Software provided during the Service Period (“**Service Availability Credits**”)

SERVICE AVAILABILITY TABLE

Availability	Credit of Fees
≥99.98%	None
<99.98% but > 99.50%	2%
<99.49% but >99.00%	5%
<98.99% but ≥98.00%	15%
<97.99% but ≥95.0%	40%
<94.99.0%	100%

(b) Any Service Availability Credits due under this **Subsection** will be applied in accordance with payment terms of the Contract.

(c) If the actual Availability of the Hosted Services and Software is less than the Availability Requirement in any two (2) of four (4) consecutive Service Periods, then, in addition to all other remedies available to the State, the State may terminate the Contract on written notice to Contractor with no liability, obligation or penalty to the State by reason of such termination.

3. Support and Maintenance Services. Contractor will provide Hosted Services and Software maintenance and support services (collectively, “**Software Support Services**”) in accordance with the provisions of this **Section 3**. The Software Support Services are included in the Services, and Contractor may not assess any additional fees, costs or charges for such Software Support Services.

3.1 Support Service Responsibilities. Contractor will:

- (a) correct all Service Errors in accordance with the Support Service Level Requirements, including by providing defect repair, programming corrections and remedial programming;
- (b) provide unlimited telephone support, 24 hours, 7 days a week.
- (c) provide unlimited online support 24 hours a day, seven days a week;

(d) provide online access to technical support bulletins and other user support information and forums, to the full extent Contractor makes such resources available to its other customers; and

(e) respond to and Resolve Support Requests as specified in this **Section 3**.

3.2 Service Monitoring and Management. Contractor will continuously monitor and manage the Hosted Services and Software to optimize Availability that meets or exceeds the Availability Requirement. Such monitoring and management includes:

(a) proactively monitoring on a twenty-four (24) hour by seven (7) day basis all Hosted Service functions, servers, firewall and other components of Hosted Service security;

(b) if such monitoring identifies, or Contractor otherwise becomes aware of, any circumstance that is reasonably likely to threaten the Availability of the Hosted Service, taking all necessary and reasonable remedial measures to promptly eliminate such threat and ensure full Availability; and

(c) if Contractor receives knowledge that the Hosted Service or any Hosted Service function or component is not Available (including by written notice from the State pursuant to the procedures set forth herein):

(i) confirming (or disconfirming) the outage by a direct check of the associated facility or facilities;

(ii) If Contractor's facility check in accordance with clause (i) above confirms a Hosted Service outage in whole or in part: (A) notifying the State in writing pursuant to the procedures set forth herein that an outage has occurred, providing such details as may be available, including a Contractor trouble ticket number, if appropriate, and time of outage; and (B) working all problems causing and caused by the outage until they are Resolved as Critical Service Errors in accordance with the Support Request Classification set forth in **Subsections 3.5 and 3.6**, or, if determined to be an internet provider problem, open a trouble ticket with the internet provider; and

(iii) Notifying the State that Contractor has fully corrected the outage and any related problems, along with any pertinent findings or action taken to close the trouble ticket.

3.3 Service Maintenance. Contractor will continuously maintain the Hosted Services and Software to optimize Availability that meets or exceeds the Availability

Requirement. Such maintenance services include providing to the State and its Authorized Users:

- (a) all updates, bug fixes, enhancements, Maintenance Releases, New Versions and other improvements to the Hosted Services and Software, including the Software, that Contractor provides at no additional charge to its other similarly situated customers; provided that Contractor shall consult with the State and is required to receive State approval prior to modifying or upgrading Hosted Services and Software, including Maintenance Releases and New Versions of Software; and
- (b) all such services and repairs as are required to maintain the Hosted Services and Software or are ancillary, necessary or otherwise related to the State's or its Authorized Users' access to or use of the Hosted Services and Software, so that the Hosted Services and Software operate properly in accordance with the Contract and this Schedule.

3.4 Support Service Level Requirements. Contractor will correct all Service Errors and respond to and Resolve all Support Requests in accordance with the required times and other terms and conditions set forth in this **Section 3 ("Support Service Level Requirements")**, and the Contract.

3.5 Support Requests. The State will classify its requests for Service Error corrections in accordance with the descriptions set forth in the Support Request Table below (each a "**Support Request**"). The State will notify Contractor of Support Requests by email, telephone or such other means as the parties may hereafter agree to in writing.

SUPPORT REQUEST TABLE

Support Request Classification	Description: Any Service Error Comprising or Causing any of the Following Events or Effects
Critical Service Error	<ul style="list-style-type: none"> • Issue affecting entire system or single critical production function; • System down or operating in materially degraded state; • Data integrity at risk; • Declared a Critical Support Request by the State; or • Widespread access interruptions. • Hardware not operable
High Service Error	<ul style="list-style-type: none"> • Primary component failure that materially impairs its performance; or • Data entry or access is materially impaired on a limited basis.
Medium Service Error	<ul style="list-style-type: none"> • Hosted Services and Software is operating with minor issues that can be addressed with an acceptable (as determined by the State) temporary work around.

Support Request Classification	Description:
	Any Service Error Comprising or Causing any of the Following Events or Effects
Low Service Error	<ul style="list-style-type: none"> Request for assistance, information, or services that are routine in nature.

3.6 Response and Resolution Time Service Levels. Response and Resolution times will be measured from the time Contractor receives a Support Request until the respective times Contractor has (i) responded to, in the case of response time and (ii) Resolved such Support Request, in the case of Resolution time. **“Resolve”** (including **“Resolved”**, **“Resolution”**, **Resolution**, **“Agreed Upon Resolution Action Plan”** and correlative capitalized terms) means that, as to any Service Error, Contractor has provided the State the corresponding Service Error correction and the State has confirmed such correction and its acceptance thereof. Contractor will respond to and Resolve all Service Errors within the following times based on the severity of the Service Error, as set forth in the Response and Resolution Time Service Table below:

RESPONSE AND RESOLUTION TIME SERVICE TABLE

Support Request Classification	Service Level Metric (Required Response Time)	Service Level Metric (Required Resolution Time)	Service Level Credits (For Failure to Respond to any Support Request Within the Corresponding Response Time)	Service Level Credits (For Failure to Resolve any Support Request Within the Corresponding Required Resolution Time)
Critical & High Service Error	One (1) hour	For Hosted Services and	Five percent (5%) of the Fees for the month in	Five percent (5%) of the Fees for the month in which the

		Software Three (3) hours	<p>which the initial Service Level Failure begins and five percent (5%) of such monthly Fees for each additional hour or portion thereof that the corresponding Service Error is not responded to within the required response time.</p> <p>The action plan will be initiated within 1 hour with ongoing updates at least every 2 hours until the issue has been identified with a detailed action plan produced. Client will be presented with a mutually agreed upon resolution action plan.</p>	<p>initial Service Level Failure begins and five percent (5%) of such monthly Fees for the first additional hour or portion thereof that the corresponding Service Error remains un-Resolved, which amount will thereafter double for each additional one-hour increment. The action plan will be initiated within 1 hour with ongoing updates at least every 2 hours until the issue has been identified with a detailed action plan produced. Client will be presented with a mutually agreed upon resolution action plan.</p>
Medium Service Error	Three (3) hours	Two (2) Business Days	N/A	N/A

Low Service Error	Three (3) hours	Five (5) Business Days	N/A	N/A
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3.7 Escalation. With respect to any Critical Service Error Support Request, until such Support Request is Resolved, Contractor will escalate that Support Request within sixty (60) minutes of the receipt of such Support Request by the appropriate Contractor support personnel, including, as applicable, the Contractor Project Manager and Contractor’s management or engineering personnel, as appropriate.

3.8 Support Service Level Credits. Failure to achieve any of the Support Service Level Requirements for Critical and High Service Errors will constitute a Service Level Failure for which Contractor will issue to the State the corresponding service credits set forth in **Subsection 3.1 (“Service Level Credits”)** in accordance with payment terms set forth in the Contract.

3.9 Corrective Action Plan. If two or more Critical Service Errors occur in any thirty (30) day period during (a) the Term or (b) any additional periods during which Contractor does or is required to perform any Hosted Services, Contractor will promptly investigate the root causes of these Service Errors and provide to the State within five (5) Business Days of its receipt of notice of the second such Support Request an analysis of such root causes and a proposed written corrective action plan for the State’s review, comment and approval, which, subject to and upon the State’s written approval, shall be a part of, and by this reference is incorporated in, the Contract as the parties’ corrective action plan (the **“Corrective Action Plan”**). The Corrective Action Plan must include, at a minimum: (a) Contractor’s commitment to the State to devote the appropriate time, skilled personnel, systems support and equipment and other resources necessary to Resolve and prevent any further occurrences of the Service Errors giving rise to such Support Requests; (b) a strategy for developing any programming, software updates, fixes, patches, etc. necessary to remedy, and prevent any further occurrences of, such Service Errors; and (c) time frames for implementing the Corrective Action Plan. There will be no additional charge for Contractor’s preparation or implementation of the Corrective Action Plan in the time frames and manner set forth therein.

4. Reserved.

5. Data Storage, Backup, Restoration and Disaster Recovery. Contractor must maintain or cause to be maintained backup redundancy and disaster avoidance and recovery procedures designed to safeguard State Data and the State's other Confidential Information, Contractor's Processing capability and the availability of the Hosted Services and Software, in each case throughout the Term and at all times in connection with its actual or required performance of the Services hereunder. All backed up State Data shall be located in the continental United States. The force majeure provisions of this Contract do not limit Contractor's obligations under this section.

5.1 Data Storage. Contractor will provide sufficient storage capacity to meet the needs of the State at no additional cost.

5.2 Data Backup. Contractor will conduct, or cause to be conducted, daily back-ups of State Data and perform, or cause to be performed, other periodic offline back-ups of State Data on at least a weekly basis and store and retain such back-ups as specified in **Schedule A**. Contractor must, within five (5) Business Days of the State's request, provide the State, without charge and without any conditions or contingencies whatsoever (including but not limited to the payment of any fees due to Contractor), an extract of State Data in the format specified by the State.

5.3 Data Restoration. If the data restoration is required due to the actions or inactions of the Contractor or its subcontractors, Contractor will promptly notify the State and complete actions required to restore service to normal production operation. If requested, Contractor will restore data from a backup upon written notice from the State. Contractor will restore the data within one (1) Business Day of the State's request. Contractor will provide data restorations at its sole cost and expense.

5.4 Disaster Recovery. Throughout the Term and at all times in connection with its actual or required performance of the Services, Contractor will maintain and operate a backup and disaster recovery plan to achieve a Recovery Point Objective (RPO) of 24 hours, and a Recovery Time Objective (RTO) of 2 hours (the "**DR Plan**"), and implement such DR Plan in the event of any unplanned interruption of the Hosted Services. Contractor's current DR Plan, revision history, and any reports or summaries relating to past testing of or pursuant to the DR Plan are attached as **Schedule F**. Contractor will actively test, review and update the DR Plan on at least an annual basis using industry best practices as guidance. Contractor will provide the State with copies of all such updates to the Plan within fifteen (15) days of its adoption by Contractor. All updates to the DR Plan are subject to the requirements

of this **Section 4**; and provide the State with copies of all reports resulting from any testing of or pursuant to the DR Plan promptly after Contractor's receipt or preparation. If Contractor fails to reinstate all material Hosted Services and Software within the periods of time set forth in the DR Plan, the State may, in addition to any other remedies available under this Contract, in its sole discretion, immediately terminate this Contract as a non-curable default.

SCHEDULE D – ATTACHMENT 1 – CONTACT LIST

STC Operations provides 24x7 support for the following:

- Incident response for critical issues with the production instance. If a production automated system alert occurs for a critical issue, STC will take action within 15 minutes of the alert being triggered to begin to triage the issue and work towards system restore. This response team for critical issues is on a rotating on-call basis and are staffed and alerted to be able respond within the timeframe.
- Monitoring of all client production instances which includes memory, disk, processing and network loads. STC is automatically notified when instance issues arise and will attempt to remediate the issue without any client-facing impact. If the steps required to remediate the issue will result in a client-facing impact, STC's Operations team will coordinate with the client via the Support team to outline the issue, steps to remediate, and gain client approval to execute the remediation plan.

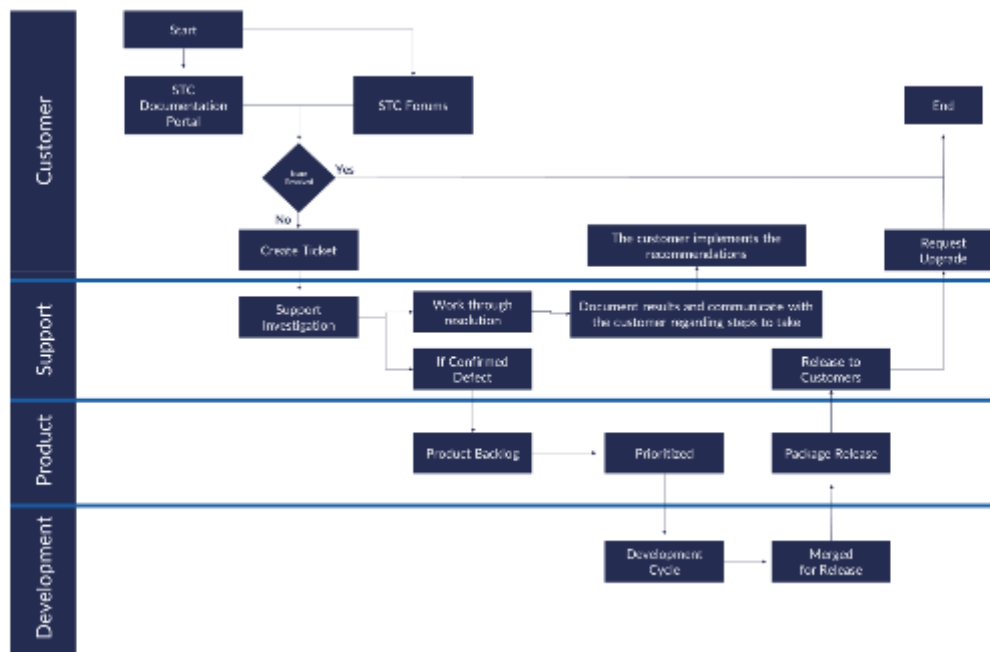


Figure 2: STC Support Process

Below is the process if MCIR experiences a critical support issue before receiving notification from STC Operations:

- Client enters ticket in JIRA support and marks it as 'Critical'.
- An automated pager alert is triggered directly to the on-call agent's phone.
 - If the agent doesn't acknowledge the alert within 15 minutes, then the alert automatically escalates to the manager.
 - If the manager doesn't acknowledge the alert within another 15 minutes, then the alert automatically escalates to the director.
- The agent will assign/research the ticket and pull in STC teams as needed with an all hands-on-deck effort.

Escalation Support Contacts		
STC Management		
Department	Contact/Title	Phone/Email
Client Operations / Provider Support	Iris Rivera, Director of Product Support	(480) 745-8524 iris_rivera@stchome.com
Product Experience	Sarah Mckee, Director of Product	(480) 745-8500 sarah_mckee@stchome.com
Client Partnerships	Ivan Matosevic, Manager of Client Partnerships	(480) 240-8957 ivan_matosevic@stchome.com
Client Operations / Professional Services	Teresa Salama, Senior Manager of Professional Services	(480) 745-8531 teresa_salama@stchome.com
Scientific Services / Analytics	Sawyer Koops, Director of Data Science	(480) 745-8628 sawyer_koops@stchome.com
STC Senior Leadership		
Contact/Title		Phone/Email
Azure Spanier, Chief Client Experience Officer		(480) 745-8500 azure_spanier@stchome.com
Asad Tufail, Vice President, Customer Success		(480) 512-9113 asad_tufail@stchome.com
Kristina Crane, Chief Strategy Officer/Chief Operating Officer		(480) 745-8587 kristina_crane@stchome.com
Sawyer Koops, Deputy Director of Analytics and Business Intelligence		(480) 745-8628 sawyer_koops@stchome.com
Joe Kelly, Chief Technical Officer		(480) 745-8520 joe_kelly@stchome.com

SCHEDULE E – DATA SECURITY REQUIREMENTS

1. Definitions. For purposes of this Schedule, the following terms have the meanings set forth below. All initial capitalized terms in this Schedule that are not defined in this **Schedule** shall have the respective meanings given to them in the Contract.

“Contractor Security Officer” has the meaning set forth in **Section 2** of this Schedule.

“FedRAMP” means the Federal Risk and Authorization Management Program, which is a federally approved risk management program that provides a standardized approach for assessing and monitoring the security of cloud products and services.

“FISMA” means The Federal Information Security Modernization Act of 2014 (Pub.L. No. 113-283 (Dec. 18, 2014.)).

“Hosting Provider” means any Permitted Subcontractor that is providing any or all of the Hosted Services under this Contract.

“NIST” means the National Institute of Standards and Technology.

“PCI” means the Payment Card Industry.

“PSP” or “PSPs” means the State’s IT Policies, Standards and Procedures.

“SSAE” means Statement on Standards for Attestation Engagements.

“Security Accreditation Process” has the meaning set forth in **Section 6** of this Schedule

2. Security Officer. Contractor will appoint a Contractor employee to respond to the State’s inquiries regarding the security of the Hosted Services who has sufficient knowledge of the security of the Hosted Services and the authority to act on behalf of Contractor in matters pertaining thereto (**“Contractor Security Officer”**).

3. Contractor Responsibilities. Contractor is responsible for establishing and maintaining a data privacy and information security program, including physical, technical, administrative, and organizational safeguards, that is designed to:

- (a) ensure the security and confidentiality of the State Data;
- (b) protect against any anticipated threats or hazards to the security or integrity of the State Data;
- (c) protect against unauthorized disclosure, access to, or use of the State Data;

(d) ensure the proper disposal of any State Data in Contractor's or its subcontractor's possession; and

(e) ensure that all Contractor Personnel comply with the foregoing.

The State has established Information Technology (IT) PSPs to protect IT resources under the authority outlined in the overarching State 1305.00 Enterprise IT Policy. In no case will the safeguards of Contractor's data privacy and information security program be less stringent than the safeguards used by the State, and Contractor must at all times comply with all applicable public and non-public State IT policies and standards, of which the publicly available ones are at <https://www.michigan.gov/dtmb/policies/it-policies>.

This responsibility also extends to all service providers and subcontractors with access to State Data or an ability to impact the contracted solution. Contractor responsibilities are determined from the PSPs based on the services being provided to the State, the type of IT solution, and the applicable laws and regulations.

4. Acceptable Use Standard. To the extent that Contractor has access to the State's IT environment, Contractor must comply with the State's Acceptable Use Standard, see <https://www.michigan.gov/dtmb/-/media/Project/Websites/dtmb/Law-and-Policies/IT-Policy/13400013002-Acceptable-Use-of-Information-Technology-Standard.pdf>. All Contractor Personnel will be required, in writing, to agree to the State's Acceptable Use Standard before accessing State systems or Data. The State reserves the right to terminate Contractor's and/or subcontractor(s) or any Contractor Personnel's access to State systems if the State determines a violation has occurred.

5. Protection of State's Information. Throughout the Term and at all times in connection with its actual or required performance of the Services, Contractor will:

5.1 If Hosted Services are provided by a Hosting Provider, ensure each Hosting Provider maintains FedRAMP authorization for all Hosted Services environments throughout the Term, and in the event a Hosting Provider is unable to maintain FedRAMP authorization, the State, at its sole discretion, may either a) require the Contractor to move the Software and State Data to an alternative Hosting Provider selected and approved by the State at Contractor's sole cost and expense without any increase in Fees, or b) immediately terminate this Contract for cause.

5.2 for Hosted Services provided by the Contractor, maintain either a FedRAMP authorization or an annual SSAE 18 SOC 2 Type II audit based on State required NIST Special Publication 800-53 MOD Controls using identified controls and minimum values as established in applicable State PSPs.

5.3 ensure that the Software and State Data is securely stored, hosted, supported, administered, accessed, developed and backed up in the continental United States,

and the data center(s) in which State Data resides minimally meets Uptime Institute Tier 3 standards (<https://www.uptimeinstitute.com/>), or its equivalent;

5.4 maintain and enforce an information security program including safety and physical and technical security policies and procedures with respect to its Processing of the State Data that complies with the requirements of the State's data security policies as set forth in this Contract, and must, at a minimum, remain compliant with FISMA and NIST Special Publication 800-53 MOD Controls using identified controls and minimum values as established in applicable State PSPs;

5.5 Throughout the Term, Contractor must not provide Services from the list of excluded parties in the System for Award Management (SAM) for entities excluded from receiving federal government awards for "covered telecommunications equipment or services.

5.6 provide technical and organizational safeguards against accidental, unlawful or unauthorized access to or use, destruction, loss, alteration, disclosure, encryption, transfer, commingling or processing of such information that ensure a level of security appropriate to the risks presented by the processing of State Data and the nature of such State Data, consistent with best industry practice and applicable standards (including, but not limited to, compliance with FISMA, NIST, CMS, IRS, FBI, SSA, HIPAA, FERPA and PCI requirements as applicable);

5.7 take all reasonable measures to:

- (a) secure and defend all locations, equipment, systems and other materials and facilities employed in connection with the Services against "malicious actors" and others who may seek, without authorization, to destroy, disrupt, damage, encrypt, modify, copy, access or otherwise use Hosted Services or the information found therein; and

- (b) prevent (i) the State and its Authorized Users from having access to the data of other customers or such other customer's users of the Services; (ii) State Data from being commingled with or contaminated by the data of other customers or their users of the Services; and (iii) unauthorized access to any of the State Data;

5.8 ensure that State Data is encrypted in transit and at rest using FIPS validated AES encryption modules and a key size of 128 bits or higher;

5.9 ensure the Hosted Services support Identity Federation/Single Sign-on (SSO) capabilities using Security Assertion Markup Language (SAML), Open Authentication (OAuth) or comparable State approved mechanisms;

5.10 ensure the Hosted Services implements NIST compliant multi-factor authentication for privileged/administrative and other identified access.

5.11 Contractor must permanently sanitize or destroy the State's information, including State Data, from all media both digital and nondigital including backups using National Security Agency ("NSA") and/or National Institute of Standards and Technology ("NIST") (NIST Guide for Media Sanitization 800-88) data sanitization methods or as otherwise instructed by the State. Contractor must sanitize information system media, both digital and non-digital, prior to disposal, release out of its control, or release for reuse as specified above.

6. Security Accreditation Process. Throughout the Term, Contractor will assist the State, at no additional cost, with its **Security Accreditation Process**, which includes the development, completion and on-going maintenance of a system security plan (SSP) using the State's automated governance, risk and compliance (GRC) platform, which requires Contractor to submit evidence, upon request from the State, in order to validate Contractor's security controls within two weeks of the State's request. On an annual basis, or as otherwise required by the State such as for significant changes, re-assessment of the system's controls will be required to receive and maintain authority to operate (ATO). All identified risks from the SSP will be remediated through a Plan of Action and Milestones (POAM) process with remediation time frames and required evidence based on the risk level of the identified risk. For all findings associated with the Contractor's solution, at no additional cost, Contractor will be required to create or assist with the creation of State approved POAMs, perform related remediation activities, and provide evidence of compliance. The State will make any decisions on acceptable risk, Contractor may request risk acceptance, supported by compensating controls, however only the State may formally accept risk. Failure to comply with this section will be deemed a material breach of the Contract.

7. Unauthorized Access. Contractor may not access, and must not permit any access to, State systems, in whole or in part, whether through the Hosted Services or otherwise, without the State's express prior written authorization. Such authorization may be revoked by the State in writing at any time in its sole discretion. Any access to State systems must be solely in accordance with the Contract and this Schedule, and in no case exceed the scope of the State's authorization pursuant to this Section. All State-authorized connectivity or attempted connectivity to State systems shall be only through the State's security gateways and firewalls and in compliance with the State's security policies set forth in the Contract as the same may be supplemented or amended by the State and provided to Contractor from time to time.

8. Security Audits.

8.1 During the Term, Contractor will maintain complete and accurate records of its data protection practices, IT security controls, and the security logs relating to State Data, including but not limited to any backup, disaster recovery or other policies,

practices or procedures relating to the State Data and any other information relevant to its compliance with this Contract.

8.2 Without limiting any other audit rights of the State, the State has the right to review Contractor's data privacy and information security program prior to the commencement of Services and from time to time during the term of this Contract. The State, at its own expense, is entitled to perform, or to have performed, an on-site audit of Contractor's data privacy and information security program. If the State chooses to perform an on-site audit, Contractor will, make all such records, appropriate personnel and relevant materials available during normal business hours for inspection and audit by the State or an independent data security expert that is reasonably acceptable to Contractor, provided that the State: (i) gives Contractor at least five (5) Business Days prior notice of any such audit; (ii) undertakes such audit no more than once per calendar year, except for good cause shown; and (iii) conducts or causes to be conducted such audit in a manner designed to minimize disruption of Contractor's normal business operations and that complies with the terms and conditions of all data confidentiality, ownership, privacy, security and restricted use provisions of the Contract. The State may, but is not obligated to, perform such security audits, which shall, at the State's option and request, include penetration and security tests, of any and all Hosted Services and their housing facilities and operating environments.

8.3 During the Term, Contractor will, when requested by the State, provide a copy of Contractor's and Hosting Provider's FedRAMP System Security Plan(s) or SOC 2 Type 2 report(s) to the State within two weeks of the State's request. The System Security Plan and SSAE audit reports will be recognized as Contractor's Confidential Information.

8.4 With respect to State Data, Contractor must implement any required safeguards as identified by the State or by any audit of Contractor's data privacy and information security program.

8.5 The State reserves the right, at its sole election, to immediately terminate this Contract or a Statement of Work without limitation and without liability if the State determines that Contractor fails or has failed to meet its obligations under this **Section 8**.

9. Application Scanning. During the Term, Contractor must, at its sole cost and expense, scan all Contractor provided applications, and must analyze, remediate and validate all vulnerabilities identified by the scans as required by the State Web Application Security Standard and other applicable PSPs.

Contractor's application scanning and remediation must include each of the following types of scans and activities:

9.1 Dynamic Application Security Testing (DAST) – Authenticated interactive scanning of application for vulnerabilities, analysis, remediation, and validation (may include Interactive Application Security Testing (IAST)).

(a) Contractor must either a) grant the State the right to dynamically scan a deployed version of the Software; or b) in lieu of the State performing the scan, Contractor must dynamically scan a deployed version of the Software using a State approved application scanning tool, and provide the State with a vulnerabilities assessment after Contractor has completed such scan. These scans and assessments i) must be completed and provided to the State quarterly (dates to be provided by the State) and for each major release; and ii) scans must be completed in a non-production environment with verifiable matching source code and supporting infrastructure configurations or the actual production environment.

9.2 Static Application Security Testing (SAST) - Scanning source code for vulnerabilities, analysis, remediation, and validation.

(a) For Contractor provided applications, Contractor, at its sole expense, must provide resources to complete static application source code scanning, including the analysis, remediation and validation of vulnerabilities identified by application source code scans. These scans must be completed for all source code initially, for all updated source code, and for all source code for each major release and Contractor must provide the State with a vulnerability assessment after Contractor has completed the required scans.

9.3 Software Composition Analysis (SCA) – Third Party and/or Open Source Scanning for vulnerabilities, analysis, remediation, and validation.

(a) For Software that includes third party and open source software, all included third party and open source software must be documented and the source supplier must be monitored by the Contractor for notification of identified vulnerabilities and remediation. SCA scans may be included as part of SAST and DAST scanning or employ the use of an SCA tool to meet the scanning requirements. These scans must be completed for all third party and open source software initially, for all updated third party and open source software, and for all third party and open source software in each major release and Contractor must provide the State with a vulnerability assessment after Contractor has completed the required scans if not provided as part of SAST and/or DAST reporting.

9.4 In addition, application scanning and remediation may include the following types of scans and activities if required by regulatory or industry requirements, data classification or otherwise identified by the State.

(a) If provided as part of the solution, all native mobile application software must meet these scanning requirements including any interaction with an application programming interface (API).

(b) Penetration Testing – Simulated attack on the application and infrastructure to identify security weaknesses.

10. Infrastructure Scanning.

10.1 For Hosted Services, Contractor must ensure the infrastructure and applications are scanned using an approved scanning tool (Qualys, Tenable, or other PCI Approved Vulnerability Scanning Tool) at least monthly and provide the scan's assessments to the State in a format that is specified by the State and used to track the remediation. Contractor will ensure the remediation of issues identified in the scan according to the remediation time requirements documented in the State's PSPs.

11. Nonexclusive Remedy for Security Breach.

11.1 Any failure of the Services to meet the requirements of this Schedule with respect to the security of any State Data or other Confidential Information of the State, including any related backup, disaster recovery or other policies, practices or procedures, is a material breach of the Contract for which the State, at its option, may terminate the Contract immediately upon written notice to Contractor without any notice or cure period, and Contractor must promptly reimburse to the State any Fees prepaid by the State prorated to the date of such termination.

SCHEDULE F – DISASTER RECOVERY PLAN

Contractor's Disaster Recovery Plan is on file with DTMB Agency Services.

SCHEDULE G – TRANSITION IN AND OUT

The Contractor will provide Transition in and Out as detailed below.

The Transition Phase consists of the planning and activities required to transition IT services, data transformation, SAAS system/module configuration, and operations from current system to Contractor's system.

1. Transition In: Beginning of Contract

To plan for transition from the legacy system to SAAS system/module, a number of planning and technical tasks need to be identified and coordinated, including the following:

- i. Transition Methodology – Contractor's recommended approach, tasks, roles, and timeline for transition. Particular detail and attention are requested for the following:
- ii. SAAS System Configuration and software installation for servers and Users, including:
 - a. SAAS Configuration
 - b. Interoperability – MCIR IIS Data Connections.
 - i. Data Warehouse-MiHIN connection
 1. CDC Immunization Gateway
 2. HL7 Messaging
 - ii. Direct web service feeds
- iii. Data and Document Migration and Conversion
- iv. Testing and validation of SAAS system readiness for promotion to production
- v. Staff training and technical support plan
 - a. SOM requests access to SAAS Training & Education Resources ahead of complete system configuration to support user transition.
- vi. Working with the current contractor to develop a transition and interim support.
- vii. Risk assessment and mitigation recommendations/solutions
- viii. Backup and recovery
- ix. Vendor support to create Disaster recovery plan with DTMB

The activities taking place during the Transition Phase will follow the process defined within the State approved Transition Plan. The plan must be acceptable to MDHHS and DTMB. Unacceptable portions must be revised per MDHHS specifications. The finalized transition plan must be submitted within 60 days of the start of the contract.

2. Transition Out: End-Of-Contract

- i. The Contractor will develop a Transition-Out Plan for the end-of contract. The Transition-Out Plan must identify the Contractor's responsibilities for the transition of the maintenance, operations, and enhancements to a new Contractor. At a minimum, the Contractor's responsibilities during the Transition-Out must include:
 - a. Meeting with the new Contractor on a regular basis for the purposes of planning and coordinating an orderly transition.
 - b. Developing an agreement with the selected Contractor laying out timeframes, work products, and mutual expectations during transition.
 - c. Maintaining staffing levels consistent with levels during the operational phase of the contract through the end of the contract.
 - d. Providing test data for conversion testing, as necessary.
 - e. Providing up-to-date agreements, design documents, procedural manuals and knowledge base articles. Providing a strategy for ensuring that all records and documents resulting from the services provided under the contract have been updated to reflect all changes, enhancements, and modifications. All documentation and records must be written in English, provided in hardcopy, and at least one (1) electronic copy in both PDF format and Microsoft Word or an appropriate editable format at time of turnover.
 - f. All artifacts from the resulting work product produced during the duration of the contract must be made available to MDHHS. Providing all source code, test plans and automated testing scripts, necessary access credentials including but not limited to task management and task tracking systems, database and FTP/SFTP credentials.
 - g. Purging of Michigan data from incumbent Contractor's externally hosted environments as requested by MDHHS MCIR.
 - h. Ensuring data privacy and confidentiality of all sensitive data.

At the end of the contract, the State will hold back the final payment until the Contractor successfully completes all the transition requirements under its control as set forth in the Transition Plan. Acceptable performance is one hundred percent (100%) compliance with the performance indicator.

SCHEDULE H – FEDERAL PROVISIONS

ADDENDUM

Contractor acknowledges and agrees that the State may utilize funds obtained from the federal government which may have additional contractual requirements. Contractor agrees that, if the State determines that federal rules or regulations require the appendage of specific contractual language to this Contract related to specific types of federal funding, including but not limited to Title 2 of the Code of Federal Regulations (C.F.R.) Part 200 and Appendix II to Part 200 – Contract Provisions for Non-Federal Entity Contracts Under Federal Awards, Contractor agrees to, through a Contract Change Notice, append such required contractual language to this Contract if reasonably necessary to keep the State and Contractor in compliance with federal funding requirements and comply with the terms set forth therein.

This addendum applies to purchases that will be paid for in whole or in part with funds obtained from the federal government. The provisions below are required, and the language is not negotiable. Contractor agrees to comply with all obligations under federal rules or regulations for such funding, including but not limited to the provisions contained in this addendum. If any provision below conflicts with the State’s terms and conditions, including any attachments, schedules, or exhibits to this Contract, the provisions below take priority to the extent a provision is required by federal law; otherwise, the order of precedence set forth in the Contract applies. Further, Contractor agrees to, through a Contract Change Notice, append or modify specific federal provisions to this Contract, if reasonably necessary to keep the State and Contractor in compliance with federal funding requirements, and comply with the terms set forth therein. Hyperlinks are provided for convenience only; broken hyperlinks will not relieve Contractor from compliance with the law.

A. Equal Employment Opportunity

This Contract is not a “**federally assisted construction contract**” as defined in [41 CFR Part 60-1.3](#).

B. Davis-Bacon Act (Prevailing Wage)

This Contract is not a “**federally assisted construction contract**” as defined in [41 CFR Part 60-1.3, nor is it a](#) prime construction contract in excess of \$2,000.

C. Copeland “Anti-Kickback” Act

This Contract is not a “**federally assisted construction contract**” as defined in [41 CFR Part 60-1.3, nor is it a](#) prime construction contract in excess of \$2,000 where the Davis-Bacon Act applies.

D. Contract Work Hours and Safety Standards Act

The Contract does not involve the employment of mechanics or laborers.

F. Clean Air Act and the Federal Water Pollution Control Act

If this Contract is **in excess of \$150,000**, the Contractor must comply with all applicable standards, orders, and regulations issued under the Clean Air Act ([42 USC 7401-7671q](#)) and the Federal Water Pollution Control Act ([33 USC 1251-1387](#)), and during performance of this Contract the Contractor agrees as follows:

(1) Clean Air Act

- (i) The Contractor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act, as amended, 42 U.S.C. § 7401 et seq.
- (ii) The Contractor agrees to report each violation to the State and understands and agrees that the State will, in turn, report each violation as required to assure notification to the Federal Emergency Management Agency or the applicable federal awarding agency, and the appropriate Environmental Protection Agency Regional Office.
- (iii) The Contractor agrees to include these requirements in each subcontract exceeding \$150,000 financed in whole or in part with Federal assistance provided by FEMA or the applicable federal awarding agency.

(2) Federal Water Pollution Control Act

- (i) The Contractor agrees to comply with all applicable standards, orders, or regulations issued pursuant to the Federal Water Pollution Control Act, as amended, 33 U.S.C. 1251 et seq.
- (ii) The Contractor agrees to report each violation to the State and understands and agrees that the State will, in turn, report each violation as required to assure notification to the Federal Emergency Management Agency or the applicable federal awarding agency, and the appropriate Environmental Protection Agency Regional Office.
- (iii) The Contractor agrees to include these requirements in each subcontract exceeding \$150,000 financed in whole or in part with Federal assistance provided by FEMA or the applicable federal awarding agency.

G. Debarment and Suspension

A “contract award” (see [2 CFR 180.220](#)) must not be made to parties listed on the government-wide exclusions in the [System for Award Management](#) (SAM), in accordance with the OMB guidelines at [2 CFR 180](#) that implement [Executive Orders 12549 \(51 FR 6370; February 21, 1986\)](#) and [12689 \(54 FR 34131; August 18, 1989\)](#), “Debarment and Suspension.” SAM Exclusions contains the names of parties debarred, suspended, or otherwise excluded by agencies, as well as

parties declared ineligible under statutory or regulatory authority other than [Executive Order 12549](#).

- (1) This Contract is a covered transaction for purposes of 2 C.F.R. Part 180 and 2 C.F.R. Part 3000. As such, the Contractor is required to verify that none of the Contractor's principals (defined at 2 C.F.R. § 180.995) or its affiliates (defined at 2 C.F.R. § 180.905) are excluded (defined at 2 C.F.R. § 180.940) or disqualified (defined at 2 C.F.R. § 180.935).
- (2) The Contractor must comply with 2 C.F.R. Part 180, subpart C and 2 C.F.R. Part 3000, subpart C, and must include a requirement to comply with these regulations in any lower tier covered transaction it enters into.
- (3) This certification is a material representation of fact relied upon by the State. If it is later determined that the contractor did not comply with 2 C.F.R. Part. 180, subpart C and 2 C.F.R. Part. 3000, subpart C, in addition to remedies available to the State, the Federal Government may pursue available remedies, including but not limited to suspension and/or debarment.
- (4) The bidder or proposer agrees to comply with the requirements of 2 C.F.R. Part 180, subpart C and 2 C.F.R. Part 3000, subpart C while this offer is valid and throughout the period of any contract that may arise from this offer. The bidder or proposer further agrees to include a provision requiring such compliance in its lower tier covered transactions.

H. Byrd Anti-Lobbying Amendment, 31 U.S.C. § 1352 (as amended)

Contractor has applied or bid for an award of **more than \$100,000** and shall file the required certification in *Exhibit 1 – Byrd Anti-Lobbying Certification* attached to the end of this Addendum. Each tier certifies to the tier above that it will not and has not used federally appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, officer or employee of Congress, or an employee of a Member of Congress in connection with obtaining any federal contract, grant, or any other award covered by 31 U.S.C. § 1352. Each tier shall also disclose any lobbying with non-federal funds that takes place in connection with obtaining any federal award. Such disclosures are forwarded from tier to tier up to the recipient who in turn will forward the certification(s) to the federal awarding agency.

I. Procurement of Recovered Materials

If this Contract is a procurement to purchase products or items designated by the EPA under 40 C.F.R. part 247 during the course of a fiscal year, then under [2 CFR 200.323](#), Contractors must comply with section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act.

- (1) In the performance of this contract, the Contractor shall make maximum use of products containing recovered materials that are EPA-designated items unless the product cannot be acquired:

- (i) Competitively within a timeframe providing for compliance with the contract performance schedule;
 - (ii) Meeting contract performance requirements; or
 - (iii) At a reasonable price.
- (2) Information about this requirement, along with the list of EPA- designated items, is available at EPA's Comprehensive Procurement Guidelines web site, <https://www.epa.gov/smm/comprehensive-procurement-guideline-cpg-program>.
- (3) The Contractor also agrees to comply with all other applicable requirements of Section 6002 of the Solid Waste Disposal Act.

J. Prohibition on Contracting for Covered Telecommunications Equipment or Services

Contractor acknowledges and agrees that Section 889(b) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019, Pub. L. No. 115-232 (the "McCain Act"), and [2 C.F.R. §200.216](#), prohibit the obligation or expending of federal award funds on certain telecommunication products or with certain entities for national security reasons on or after August 13, 2020.

During performance of this Contract, the Contractor agrees as follows:

(a) *Definitions.* As used in this Section J. Prohibition on Contracting for Covered Telecommunications Equipment or Services ("Section J"):

- (1) the terms "backhaul," "critical technology," "interconnection arrangements," "reasonable inquiry," "roaming," and "substantial or essential component" have the meanings defined in 48 CFR § 4.2101;
- (2) the term "covered foreign country" has the meanings defined in § 889(f)(2) of the McCain Act; and
- (3) the term "covered telecommunications equipment or services" has the meaning defined in § 889(f)(3) of the McCain Act.

(b) *Prohibitions.*

- (1) Unless an exception in paragraph (c) of this Section J applies, neither the Contractor nor any of its subcontractors may use funds received under this Contract to:
 - (i) Procure or obtain any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology of any system;
 - (ii) Enter into, extend, or renew a contract to procure or obtain any equipment, system, or service that uses covered telecommunications equipment or services as a substantial

or essential component of any system, or as critical technology of any system;

- (iii) Enter into, extend, or renew a contract with an entity that uses any covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system; or
- (iv) Provide, as part of its performance of this contract, subcontract, or other contractual instrument, any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system.

(c) *Exceptions.*

- (1) This Section J does not prohibit Contractor from providing—
 - (i) A service that connects to the facilities of a third-party, such as backhaul, roaming, or interconnection arrangements; or
 - (ii) Telecommunications equipment that cannot route or redirect user data traffic or permit visibility into any user data or packets that such equipment transmits or otherwise handles.

(d) *Reporting requirement.*

- (1) In the event the Contractor identifies covered telecommunications equipment or services used as a substantial or essential component of any system, or as critical technology as part of any system, during contract performance, or the contractor is notified of such by a subcontractor at any tier or by any other source, the Contractor shall report the information in paragraph (d)(2) of this Section J to the recipient or subrecipient, unless elsewhere in this contract are established procedures for reporting the information.
- (2) The Contractor shall report the following information pursuant to paragraph (d)(1) of this Section J:
 - (i) Within one business day from the date of such identification or notification: The contract number; the order number(s), if applicable; supplier name; supplier unique entity identifier (if known); supplier Commercial and Government Entity (CAGE) code (if known); brand; model number (original equipment manufacturer number, manufacturer part number, or wholesaler number); item description; and any readily available information about mitigation actions undertaken or recommended.

(ii) Within 10 business days of submitting the information in paragraph (d)(2)(i) of this Section J: Any further available information about mitigation actions undertaken or recommended. In addition, the contractor shall describe the efforts it undertook to prevent use or submission of covered telecommunications equipment or services, and any additional efforts that will be incorporated to prevent future use or submission of covered telecommunications equipment or services.

(e) *Subcontracts*. The Contractor shall insert the substance of this Section J, including this paragraph (e), in all subcontracts and other contractual instruments.

K. Domestic Preferences for Procurements

As appropriate, and to the extent consistent with law, the Contractor should, to the greatest extent practicable, provide a preference for the purchase, acquisition, or use of goods, products, or materials produced in the United States. This includes, but is not limited to iron, aluminum, steel, cement, and other manufactured products.

For purposes of this Section K – **Domestic Preferences for Procurements**:

“Produced in the United States” means, for iron and steel products, that all manufacturing processes, from the initial melting stage through the application of coatings, occurred in the United States.

“Manufactured products” mean items and construction materials composed in whole or in part of non-ferrous metals such as aluminum; plastics and polymer-based products such as polyvinyl chloride pipe; aggregates such as concrete; glass, including optical fiber; and lumber.

L. Affirmative Socioeconomic Steps

For all contracts utilizing federal funding sources subject to Title 2 of the Code of Federal Regulations (C.F.R.) Part 200 issued on or after November 12, 2020, if subcontracts are to be let, the prime contractor is required to take all necessary steps identified in 2 C.F.R. § 200.321(b)(1)-(5) to ensure that small and minority businesses, women’s business enterprises, and labor surplus area firms are used when possible.

M. Copyright and Data Rights

Pursuant to 2 CFR § 200.315(b), the State may copyright any work which is subject to copyright and was developed, or for which ownership was acquired, under a Federal award. The Federal awarding agency reserves a royalty-free,

nonexclusive and irrevocable right to reproduce, publish, or otherwise use the work for Federal purposes, and to authorize others to do so.

N. Additional FEMA Contract Provisions

This Contract does not involve purchases that will be paid for in whole or in part with funds obtained from the Federal Emergency Management Agency (FEMA).

O. Other Federal Contract Provisions

No additional federal provisions currently apply to this Contract.

SCHEDULE H - EXHIBIT 1

BYRD ANTI-LOBBYING CERTIFICATION

Contractor must complete this certification if the purchase will be paid for in whole or in part with funds obtained from the federal government and the purchase is greater than \$100,000.

APPENDIX A, 44 C.F.R. PART 18 – CERTIFICATION REGARDING LOBBYING

Certification for Contracts, Grants, Loans, and Cooperative Agreements

The undersigned certifies, to the best of his or her knowledge and belief, that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
3. The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, Title 31, U.S. C. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The Contractor, STChealth certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. Chap. 38, Administrative Remedies for False Claims and Statements, apply to this certification and disclosure, if any.

Signature of Contractor's Authorized Official

Name and Title of Contractor's Authorized Official

Date