

1 MICHIGAN DEPARTMENT OF COMMUNITY HEALTH

2  
3 CERTIFICATE OF NEED (CON) REVIEW STANDARDS FOR  
4 COMPUTED TOMOGRAPHY (CT) SCANNER SERVICES  
5

6 (By authority conferred on the CON Commission by Section 22215 of Act No. 368 of the Public Acts of  
7 1978, as amended, and sections 7 and 8 of Act No. 306 of the Public Acts of 1969, as amended, being  
8 sections 333.22215, 24.207 and 24.208 of the Michigan Compiled Laws.)  
9

10 Section 1. Applicability

11  
12 Sec. 1. These standards are requirements for the approval of the initiation, expansion, replacement,  
13 ~~relocation,~~ or acquisition of CT services and the delivery of services under Part 222 of the Code. Pursuant  
14 to Part 222 of the Code, CT is a covered clinical service. The Department shall use these standards in  
15 applying Section 22225(1) of the Code, being Section 333.22225(1) of the Michigan Compiled Laws and  
16 Section 22225(2)(c) of the Code, being Section 333.22225(2)(c) of the Michigan Compiled Laws.  
17

18 Section 2. Definitions

19  
20 Sec. 2. (1) For purposes of these standards:

21 (a) "Acquisition of an existing CT scanner service" means obtaining possession or control of an  
22 existing fixed or mobile CT scanner service or existing CT scanner(s) by contract, ownership, or other  
23 comparable arrangement. For proposed projects involving mobile CT scanners, this applies to the central  
24 service coordinator and/or host facility.

25 (b) "Billable procedure" means a CT procedure billed as a single unit under procedure codes in effect  
26 on December 31, 2010, and performed in Michigan.

27 (c) "Body scans" include all spinal CT scans and any CT scan of an anatomical site below and  
28 including the neck.

29 (d) "Central service coordinator" means the organizational unit which has operational responsibility for  
30 a mobile CT scanner and which is a legal entity authorized to do business in the state of Michigan.

31 (e) "Certificate of Need Commission" or "Commission" means the Commission created pursuant to  
32 Section 22211 of the Code, being Section 333.22211 of the Michigan Compiled Laws.

33 (f) "Code" means Act No. 368 of the Public Acts of 1978, as amended, being Section 333.1101 et  
34 seq. of the Michigan Compiled Laws.

35 (g) "Computed tomography" or "CT" means the use of radiographic and computer techniques to  
36 produce cross-sectional images of the head or body.

37 (h) "CT-ANGIO HYBRID UNIT" MEANS AN INTEGRATED SYSTEM COMPRISING BOTH CT AND  
38 ANGIOGRAPHY EQUIPMENT SITED IN THE SAME ROOM THAT IS DESIGNED SPECIFICALLY FOR  
39 INTERVENTIONAL RADIOLOGY OR CARDIAC PROCEDURES. THE CT UNIT IS A GUIDANCE  
40 MECHANISM AND IS INTENDED TO BE USED AS AN ADJUNCT TO THE PROCEDURE. THE CT  
41 UNIT SHALL NOT BE USED FOR DIAGNOSTIC STUDIES UNLESS THE PATIENT IS CURRENTLY  
42 UNDERGOING A CT-ANGIO HYBRID PROCEDURE AND IS IN NEED OF A SECONDARY  
43 DIAGNOSTIC STUDY.

44 (ii) "CT equivalents" means the resulting number of units produced when the number of billable  
45 procedures for each category is multiplied by its respective conversion factor tabled in Section ~~24~~22.

46 (iii) "CT scanner" means x-ray CT scanning systems capable of performing CT scans of the head,  
47 other body parts, or full body patient procedures including Positron Emission Tomography (PET)/CT  
48 scanner hybrids if used for CT only procedures. The term does not include emission-computed  
49 tomographic systems utilizing internally administered single-photon gamma ray emitters, positron  
50 annihilation CT systems, magnetic resonance, ultrasound computed tomographic systems, CT simulators  
51 used solely for treatment planning purposes in conjunction with an MRT unit, and non-diagnostic, intra-  
52 operative guidance units.

53 (j) "CT scanner services" means the CON-approved utilization of a CT scanner(s) at one site in the  
54 case of a fixed CT scanner service or at each host site in the case of a mobile CT scanner service.

- 55 | (kl) "Dedicated pediatric CT" means a fixed CT scanner on which at least 70% of the CT procedures  
56 | are performed on patients under 18 years of age.
- 57 | (lm) "Dental CT examinations" means use of a CT scanner specially designed to generate CT images  
58 | to facilitate dental procedures.
- 59 | (mn) "Dental procedures" means dental implants, wisdom teeth surgical procedures, mandibular or  
60 | maxillary surgical procedures, or temporal mandibular joint evaluations.
- 61 | (no) "Department" means the Michigan Department of Community Health (MDCH).
- 62 | (op) "Emergency room" means a designated area physically part of a licensed hospital and recognized  
63 | by the Department as having met the staffing and equipment requirements for the treatment of emergency  
64 | patients.
- 65 | (pq) "Excess CT Equivalents" means the number of CT equivalents performed by an existing CT  
66 | scanner service in excess of 10,000 per fixed CT scanner and 4,500 per mobile CT scanner or either an  
67 | existing fixed or mobile CT scanner service, the number of CT scanners used to compute excess CT  
68 | equivalents shall include both existing and approved but not yet operational CT scanners. In the case of a  
69 | CT scanner service that operates or has a valid CON to operate that has more than one fixed CT scanner  
70 | at the same site, the term means number of CT equivalents in excess of 10,000 multiplied by the number  
71 | of fixed CT scanners at the same site. For example, if a CT scanner service operates, or has a valid CON  
72 | to operate, two fixed CT scanners at the same site, the excess CT equivalents is the number that is in  
73 | excess of 20,000 (10,000 x 2) CT equivalents. In the case of an existing mobile CT scanner service, the  
74 | term means the sum of all CT equivalents performed by the same mobile CT scanner service at all of the  
75 | host sites combined that is in excess of 4,500. For example, if a mobile CT scanner service serves five  
76 | host sites with 1 mobile CT scanner, the term means the sum of CT equivalents for all five host sites  
77 | combined that is in excess of 4,500 CT equivalents.
- 78 | (qr) "Existing CT scanner service" means the utilization of a CON-approved and operational CT  
79 | scanner(s) at one site in the case of a fixed CT scanner service or at each host site in the case of a  
80 | mobile CT scanner service.
- 81 | (rs) "Existing CT scanner" means a CON-approved and operational CT scanner used to provide CT  
82 | scanner services.
- 83 | (st) "Existing mobile CT scanner service" means a CON-approved and operational CT scanner and  
84 | transporting equipment operated by a central service coordinator serving two or more host sites.
- 85 | (t) "Expand an existing CT scanner service" means the addition of one or more CT scanners at an  
86 | existing CT scanner service.
- 87 | (u) "Head scans" include head or brain CT scans; including the maxillofacial area; the orbit, sella, or  
88 | posterior fossa; or the outer, middle, or inner ear; or any other CT scan occurring above the neck.
- 89 | (vu) "Health Service Area" or "HSA" means the groups of counties listed in [Section 24 APPENDIX A](#).
- 90 | (wv) "HIPAA" means the Health Insurance Portability and Accountability Act of 1996.
- 91 | (xw) "Hospital-based portable CT scanner or portable CT scanner" means a CT scanner capable of  
92 | being transported into patient care areas (i.e., ICU rooms, operating rooms, etc.) to provide high-quality  
93 | imaging of critically ill patients.
- 94 | (yx) "Host site" means the site at which a mobile CT scanner is authorized to provide CT scanner  
95 | services.
- 96 | (zy) "Initiate a CT scanner service" means to begin operation of a CT scanner, whether fixed or  
97 | mobile, at a site that does not perform CT scans as of the date an application is submitted to the  
98 | Department. The term does not include the acquisition or ~~relocation-REPLACEMENT~~ of an existing CT  
99 | scanner service [TO A DIFFERENT SITE](#) or the renewal of a lease.
- 100 | (aaz) "Medicaid" means title XIX of the social security act, chapter 531, 49 Stat. 620, 1396-6 and 1396-  
101 | 8 to 1396-1396w-5.
- 102 | ~~(bb) "Metropolitan statistical area county" means a county located in a metropolitan statistical area as~~  
103 | ~~that term is defined under the "standards for defining metropolitan and micropolitan statistical areas" by~~  
104 | ~~the statistical policy office of the office of information and regulatory affairs of the United States office of~~  
105 | ~~management and budget, 65 F.R. p. 82238 (December 27, 2000) and as shown in Appendix A.~~  
106 | ~~—(cc) "Micropolitan statistical area county" means a county located in a micropolitan statistical area as~~  
107 | ~~that term is defined under the "standards for defining metropolitan and micropolitan statistical areas" by~~

**Comment [A1]:** REVIEW FOR CHANGES WITH NEW BUNDLING METHODOLOGY, IF ADOPTED 9/23/13

108 | ~~the statistical policy office of the office of information and regulatory affairs of the United States office of~~  
109 | ~~management and budget, 65 F.R. p. 82238 (December 27, 2000) and as shown in Appendix A.~~  
110 | (~~ddaa~~) "Mobile CT scanner service" means a CT scanner and transporting equipment operated by a  
111 | central service coordinator and which must serve two or more host facilities.  
112 | (~~eebb~~) "Mobile CT scanner network" means the route (all host facilities) the mobile CT scanner is  
113 | authorized to serve.  
114 | (~~cc~~) "Pediatric patient" means any patient less than 18 years of age.  
115 | ~~(gg) "Relocate a fixed CT scanner" means a change in the location of a fixed CT scanner from the~~  
116 | ~~existing site to a different site within the relocation zone.~~  
117 | (~~hh~~) "Relocate an existing CT scanner service" means a change in the geographic location of an  
118 | ~~existing fixed CT scanner service from an existing site to a different site.~~  
119 | (~~ii~~) "Relocation zone," means a site that is within a 10-mile radius of a site at which an existing fixed  
120 | ~~CT scanner service is located if an existing fixed CT scanner service is located in a metropolitan statistical~~  
121 | ~~area county, or a 20-mile radius if an existing fixed CT scanner service is located in a rural or micropolitan~~  
122 | ~~statistical area county.~~  
123 | (~~jjdd~~) "Replace an existing CT scanner" means an equipment change of an existing CT scanner, that  
124 | requires a change in the radiation safety certificate, proposed by an applicant which results in that  
125 | applicant operating the same number of CT scanners before and after project completion, at the same  
126 | geographic location. THE TERM ALSO INCLUDES RELOCATING an existing CT scanner OR CT  
127 | SCANNER service from an existing site to a different site.  
128 |  
129 | ~~(kk) "Rural county" means a county not located in a metropolitan statistical area or micropolitan~~  
130 | ~~statistical areas as those terms are defined under the "standards for defining metropolitan and~~  
131 | ~~micropolitan statistical areas" by the statistical policy office of the office of information regulatory affairs of~~  
132 | ~~the United States office of management and budget, 65 F.R. p. 82238 (December 27, 2000) and as~~  
133 | ~~shown in Appendix A.~~  
134 | (~~ee~~) "Sedated patient" means a patient that meets all of the following:  
135 | (i) Patient undergoes procedural sedation and whose level of consciousness is either moderate  
136 | sedation or a higher level of sedation, as defined by the American Association of Anesthesiologists, the  
137 | American Academy of Pediatrics, the Joint Commission on the Accreditation of Health Care  
138 | Organizations, or an equivalent definition.  
139 | (ii) Who requires observation by personnel, other than technical employees routinely assigned to the  
140 | CT unit, who are trained in cardiopulmonary resuscitation (CPR) and pediatric advanced life support  
141 | (PALS).  
142 | (~~mmff~~) "Special needs patient" means a non-sedated patient, either pediatric or adult, with any of the  
143 | following conditions: down syndrome, autism, attention deficit hyperactivity disorder (ADHD),  
144 | developmental delay, malformation syndromes, hunter's syndrome, multi-system disorders, psychiatric  
145 | disorders, and other conditions that make the patient unable to comply with the positional requirements of  
146 | the exam.  
147 |  
148 | (2) Terms defined in the Code have the same meanings when used in these standards.  
149 |

150 | **Section 3. Requirements for approval for applicants proposing to initiate a CT scanner service**  
151 | **other than a dental CT scanner service or hospital-based portable CT scanner service**  
152 |

153 | Sec. 3. An applicant proposing to initiate a CT scanner service shall demonstrate each of the  
154 | following, as applicable:

155 | (1) A hospital proposing to initiate its first fixed CT scanner service shall demonstrate each of the  
156 | following:

- 157 | (a) The proposed site is a hospital licensed under Part 215 of the Code.  
158 | (b) The hospital operates an emergency room that provides 24-hour emergency care services as  
159 | authorized by the local medical control authority to receive ambulance runs.  
160 |

161 (2) An applicant, other than an applicant meeting all of the applicable requirements of subsection (1),  
162 proposing to initiate a fixed CT scanner service shall project an operating level of at least 7,500 CT  
163 equivalents per year for the second 12-month period after beginning operation of the CT scanner.  
164

165 (3) An applicant proposing to initiate a mobile CT scanner service shall project an operating level of at  
166 least 3,500 CT equivalents per year for the second 12-month period after beginning operation of the CT  
167 scanner.  
168

169 (4) AN APPLICANT PROPOSING TO INITIATE CT SCANNER SERVICES AS AN EXISTING HOST  
170 SITE ON A DIFFERENT MOBILE CT SCANNER SERVICE SHALL DEMONSTRATE THE FOLLOWING:

171 (a) THE APPLICANT PROVIDES A PROPOSED ROUTE SCHEDULE.

172 (b) THE APPLICANT PROVIDES A DRAFT CONTRACT FOR SERVICES BETWEEN THE  
173 PROPOSED HOST SITE AND CENTRAL SERVICE COORDINATOR.

174  
175 **Section 4. Requirements for approval for applicants proposing to initiate a dental CT scanner**  
176 **service**  
177

178 | Sec. 4. An applicant proposing to initiate a FIXED OR MOBILE dental CT scanner service shall  
179 demonstrate each of the following, as applicable:  
180

181 | (1) An applicant is proposing a DENTAL fixed CT scanner service for the sole purpose of performing  
182 dental CT examinations.  
183

184 (2) The CT scanner generates a peak power of 5 kilowatts or less as certified by the manufacturer.  
185

186 (3) An applicant proposing to initiate a dental CT scanner service, other than an applicant that is  
187 proposing a dental CT scanner service in HSA 8, shall project an operating level of at least 200 dental CT  
188 examinations per year for the second 12-month period after beginning operation of the dental CT scanner.  
189

190 (4) The applicant has demonstrated to the satisfaction of the Department that the person(s) (e.g.,  
191 technician, dentist) operating the dental CT scanner has been appropriately trained and/or certified by one  
192 of the following groups, as recognized by the Department: a dental radiology program in a certified dental  
193 school, an appropriate professional society, or a dental continuing education program accredited by the  
194 American Dental Association.  
195

196 (5) The applicant has demonstrated to the satisfaction of the Department that the dental CT  
197 examinations generated by the proposed dental CT scanner will be interpreted by a licensed dentist(s)  
198 trained and/or certified by one of the following groups, as recognized by the Department: a dental  
199 radiology program in a certified dental school, an appropriate professional society, or a dental continuing  
200 education program accredited by the American Dental Association.  
201

202 (6) AN APPLICANT PROPOSING TO INITIATE MOBILE DENTAL CT SCANNER SERVICES AS AN  
203 EXISTING HOST SITE ON A DIFFERENT MOBILE DENTAL CT SCANNER SERVICE SHALL  
204 DEMONSTRATE THE FOLLOWING:

205 (a) THE APPLICANT PROVIDES A PROPOSED ROUTE SCHEDULE.

206 (b) THE APPLICANT PROVIDES A DRAFT CONTRACT FOR SERVICES BETWEEN THE  
207 PROPOSED HOST SITE AND CENTRAL SERVICE COORDINATOR.  
208

209 **Section 5. Requirements for approval for applicants proposing to expand an existing CT scanner**  
210 **service other than a dental CT scanner service or hospital-based portable CT scanner service**  
211

212 | Sec. 5. (1) An applicant proposing to expand an existing fixed CT scanner service shall demonstrate  
213 that all of the applicant's fixed CT scanners, excluding CT scanners approved pursuant to sections 13 and  
214 17, have performed an average of at least 10,000 CT equivalents per fixed CT scanner for the most

Comment [A2]: Response to #4 CT Workgroup charge and evaluation section.

Comment [A3]: Response to #1 CT Workgroup Charge

Comment [A4]: Response to #4 CT Workgroup charge and evaluation section.

215 recent continuous 12-month period preceding the applicant's request. In computing this average, the  
216 Department will divide the total number of CT equivalents performed by the applicant's total number of  
217 fixed CT scanners, including both operational and approved but not operational fixed CT scanners.

219 (2) An applicant proposing to expand an existing fixed CT scanner service approved pursuant to  
220 Section 17 shall demonstrate that all of the applicant's dedicated pediatric CT scanners have performed  
221 an average of at least 3,000 CT equivalents per dedicated pediatric CT scanner for the most recent  
222 continuous 12-month period preceding the applicant's request. In computing this average, the  
223 Department will divide the total number of CT equivalents performed by the applicant's total number of  
224 dedicated pediatric CT scanners, including both operational and approved but not operational dedicated  
225 pediatric CT scanners.

227 (3) If an applicant proposes to expand an existing mobile CT scanner service, the applicant shall  
228 demonstrate that all of the applicant's mobile CT scanners have performed an average of at least 5,500  
229 CT equivalents per mobile CT scanner for the most recent continuous 12-month period preceding the  
230 applicant's request. In computing this average, the Department will divide the total number of CT  
231 equivalents performed by the applicant's total number of mobile CT scanners, including both operational  
232 and approved but not operational mobile CT scanners.

233  
234 **Section 6. Requirements for approval for applicants proposing to expand an existing dental CT**  
235 **scanner service**

237 | Sec. 6. An applicant proposing to expand an existing fixed OR MOBILE dental CT scanner service  
238 shall demonstrate that all of the applicant's dental CT scanners have performed an average of at least 300  
239 | dental CT examinations per fixed OR MOBILE dental CT scanner for the most recent continuous 12-  
240 month period preceding the applicant's request. In computing this average, the Department will divide the  
241 | total number of dental CT examinations performed by the applicant's total number of fixed OR MOBILE  
242 | dental CT scanners, including both operational and approved but not operational fixed OR MOBILE dental  
243 CT scanners.

Comment [A5]: Response to #1 CT  
Workgroup Charge

245 **Section 7. Requirements for approval for applicants proposing to replace an existing CT scanner**  
246 **other than a dental CT scanner or hospital-based portable CT scanner**

248 | Sec. 7. An applicant proposing to replace an existing CT scanner, EXCEPT FOR AN APPLICANT  
249 APPROVED UNDER SECTION 3(1), shall demonstrate each of the following, as applicable:

251 (1) An applicant, other than an applicant meeting all of the applicable requirements of subsection (a),  
252 | (b), (c) or (d) below, proposing to replace an existing fixed CT scanner shall demonstrate that the fixed  
253 CT scanner(s) performed at least an average of 7,500 CT equivalents per fixed CT scanner in the most  
254 recent 12-month period for which the Department has verifiable data.

255 (a) A hospital proposing to replace an existing CT scanner which is the only fixed CT scanner  
256 operated at that site by the hospital shall demonstrate each of the following:

257 (i) The proposed site is a hospital licensed under Part 215 of the Code.

258 (ii) The hospital operates an emergency room that provides 24-hour emergency care services as  
259 authorized by the local medical control authority to receive ambulance runs.

260 (iii) The replacement CT scanner will be located at the same site as the CT scanner to be replaced.

261 (b) An applicant proposing to replace an existing fixed CT scanner shall be exempt once from the  
262 volume requirements if the existing CT scanner demonstrates that it meets all of the following:

263 (i) The existing CT scanner has performed at least 5,000 CT equivalents in the most recent 12-  
264 month period for which the Department has verifiable data.

265 (ii) The existing CT scanner is fully depreciated according to generally accepted accounting  
266 principles.

267 (iii) The existing CT scanner has at one time met its minimum volume requirements.

268 (c) An applicant proposing to replace an existing fixed CT scanner on an academic medical center  
269 campus, at the same site, shall be exempt once, as of May 5, 2008, from the minimum volume  
270 requirements for replacement if the existing CT scanner is fully depreciated according to generally  
271 accepted accounting principles.

272 (d) AN APPLICANT PROPOSING TO REPLACE AN EXISTING FIXED CT SCANNER AT AN  
273 ACADEMIC MEDICAL CENTER CAMPUS THAT IS NOT AT THE SAME SITE AS A HOSPITAL MAY  
274 REPLACE AN EXISTING FIXED CT SCANNER OWNED IN WHOLE OR IN PART BY THE ACADEMIC  
275 CENTER WITHOUT MEETING THE MINIMUM VOLUME REQUIREMENTS FOR REPLACEMENT.

276 (e) An applicant proposing to replace an existing fixed ~~OR MOBILE~~ CT scanner having a  
277 configuration of less than 16 multi-detector rows shall be exempt once, as of ~~the effective~~  
278 ~~date~~ FEBRUARY 27, 2012 of the standards, from the minimum volume requirements for replacement if it  
279 meets both of the following:

280 (i) The proposed CT scanner to be obtained will have a configuration of sixteen (16) or more multi-  
281 detector rows, and

282 (ii) The existing CT scanner is fully depreciated according to generally accepted accounting  
283 principles.

284  
285 (2) An applicant, OTHER THAN AN APPLICANT MEETING ALL OF THE APPLICABLE  
286 REQUIREMENTS OF SUBSECTION (a) BELOW, proposing to replace an existing mobile CT scanner(s)  
287 shall demonstrate that the mobile CT scanner(s) performed at least 3,500 CT equivalents if the applicant  
288 operates only one mobile CT scanner or an average of 5,500 CT equivalents for each CT scanner if the  
289 applicant operates more than one mobile CT scanner for the same mobile CT scanner network, in the  
290 most recent 12-month period for which the department has verifiable data.

291 (a) AN APPLICANT PROPOSING TO REPLACE AN EXISTING MOBILE CT SCANNER HAVING A  
292 CONFIGURATION OF LESS THAN 16 MULTI-DETECTOR ROWS SHALL BE EXEMPT ONCE, AS OF  
293 (INSERT THE EFFECTIVE DATE OF THESE STANDARDS), FROM THE MINIMUM VOLUME  
294 REQUIREMENTS FOR REPLACEMENT IF IT MEETS BOTH OF THE FOLLOWING:

295 (i) THE PROPOSED CT SCANNER TO BE OBTAINED WILL HAVE A CONFIGURATION OF  
296 SIXTEEN (16) OR MORE MULTI-DETECTOR ROWS, AND

297 (ii) THE EXISTING CT SCANNER IS FULLY DEPRECIATED ACCORDING TO GENERALLY  
298 ACCEPTED ACCOUNTING PRINCIPLES.

299  
300 (3) An applicant proposing to replace an existing dedicated pediatric CT scanner(s) shall demonstrate  
301 that the dedicated pediatric CT scanner(s) performed at least an average of 2,500 CT equivalents per  
302 dedicated pediatric CT scanner in the most recent 12-month period for which the Department has  
303 verifiable data.

304  
305 (4) An applicant under this section shall demonstrate that the existing CT scanner(s) proposed to be  
306 replaced is fully depreciated according to generally accepted accounting principles, or, that the existing  
307 equipment clearly poses a threat to the safety of the public, or, that the proposed replacement CT scanner  
308 offers technological improvements which enhance quality of care, increase efficiency, and/or reduce  
309 operating costs and patient charges.

310  
311 (5) An applicant proposing to ~~relocate~~ REPLACE an existing fixed CT scanner service TO A  
312 DIFFERENT SITE shall demonstrate that the proposed project meets all of the following:

313 (a) The existing fixed CT scanner service to be ~~relocated~~ REPLACED has been in operation for at  
314 least 36 months as of the date an application is submitted to the Department.

315 (b) The proposed new site ~~is in the relocation zone~~ is within a 10-mile radius of a site at which an  
316 existing fixed CT scanner service is located if an existing fixed CT scanner service is located in a  
317 metropolitan statistical area county, or a 20-mile radius if an existing fixed CT scanner service is located in  
318 a rural or micropolitan statistical area county.-

319 (c) The requirements of sections 5 or 7, as applicable, have been met.

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Comment [A6]: Inserted at Chair's request for workgroup discussion on 9/23/13.

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- 320 (d) The CT scanner service to be relocated performed at least an average of 7,500 CT equivalents  
 321 per fixed scanner in the most recent 12-month period for which the Department has verifiable data.  
 322 EXCEPT FOR AN APPLICANT THAT MEETS ALL OF THE REQUIREMENTS OF SECTION 3(1).  
 323 (e) The applicant agrees to operate the CT scanner service in accordance with all applicable project  
 324 delivery requirements set forth in Section 19 of these standards.  
 325  
 326 (6) An applicant proposing to ~~relocate~~REPLACE a fixed CT scanner(s) of an existing CT scanner  
 327 service TO A DIFFERENT SITE shall demonstrate that the proposed project meets all of the following:  
 328 (a) The existing CT scanner service from which the CT scanner(s) is to be relocated has been in  
 329 operation for at least 36 months as of the date an application is submitted to the Department.  
 330 (b) The proposed new site ~~is in the relocation zone~~ is within a 10-mile radius of a site at which an  
 331 existing fixed CT scanner service is located if an existing fixed CT scanner service is located in a  
 332 metropolitan statistical area county, or a 20-mile radius if an existing fixed CT scanner service is located in  
 333 a rural or micropolitan statistical area county..  
 334 (c) The requirements of sections 5 or 7, as applicable, have been met.  
 335 (d) Each existing CT scanner at the service from which a scanner is to be relocated performed at  
 336 least an average of 7,500 CT equivalents per fixed scanner in the most recent 12-month period for which  
 337 the Department has verifiable data.  
 338 (e) The applicant agrees to operate the CT scanner(s) at the proposed site in accordance with all  
 339 applicable project delivery requirements set forth in Section 19 of these standards.  
 340 (f) FOR VOLUME PURPOSES, THE NEW SITE SHALL REMAIN ASSOCIATED WITH THE  
 341 EXISTING CT SERVICE FOR A MINIMUM OF THREE YEARS.

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343 **Section 8. Requirements for approval for applicants proposing to replace an existing dental CT**  
 344 **scanner**

346 Sec. 8. An applicant proposing to replace an existing dental CT scanner shall demonstrate each of the  
 347 following:

- 348 (1) An applicant proposing to replace an existing fixed OR MOBILE dental CT scanner shall  
 349 demonstrate that the fixed OR MOBILE dental CT scanner(s) performed at least an average of 200 dental  
 350 CT examinations per fixed OR MOBILE dental CT scanner in the most recent 12-month period for which  
 351 the Department has verifiable data.  
 352  
 353 (2) An applicant under this section shall demonstrate that the existing dental CT scanner(s) proposed  
 354 to be replaced is fully depreciated according to generally accepted accounting principles, or, that the  
 355 existing equipment clearly poses a threat to the safety of the public, or that the proposed replacement  
 356 dental CT scanner offers technological improvements which enhance quality of care, increase efficiency,  
 357 and/or reduce operating costs and patient charges.  
 358  
 359 (3) An applicant proposing to ~~relocate~~REPLACE an existing fixed dental CT scanner service TO A  
 360 DIFFERENT SITE shall demonstrate that the proposed project meets all of the following:  
 361 (a) The existing fixed dental CT scanner service to be ~~relocated~~REPLACED has been in operation for  
 362 at least 36 month as of the date an application is submitted to the Department.  
 363 (b) ~~FOR VOLUME PURPOSES, THE NEW SITE SHALL REMAIN ASSOCIATED WITH THE~~  
 364 ~~EXISTING CT SERVICE FOR A MINIMUM OF THREE YEARS.~~  
 365  
 366 (c) The proposed new site ~~is in the relocation ZONE~~WITHIN A 10-MILE RADIUS OF A SITE AT  
 367 WHICH AN EXISTING FIXED DENTAL CT SCANNER SERVICE IS LOCATED IF AN EXISTING FIXED  
 368 DENTAL CT SCANNER SERVICE IS LOCATED IN A METROPOLITAN STATISTICAL AREA COUNTY,  
 369 OR A 20-MILE RADIUS IF AN EXISTING FIXED DENTAL CT SCANNER SERVICE IS LOCATED IN A  
 370 RURAL OR MICROPOLITAN STATISTICAL AREA COUNTY.  
 371 (d) The requirements of sections 6 or 8, as applicable, have been met.

372 (e) The dental CT scanner service to be relocated performed at least an average of 200 dental CT  
373 examinations per fixed dental CT scanner in the most recent 12-month period for which the Department  
374 has verifiable data.

375 (f) The applicant agrees to operate the dental CT scanner service in accordance with all applicable  
376 project delivery requirements set forth in Section 19 of these standards.

377  
378 (4) An applicant proposing to ~~relocate~~REPLACE a fixed dental CT scanner(s) of an existing dental  
379 CT scanner service TO A DIFFERENT SITE shall demonstrate that the proposed project meets all of the  
380 following:

381 (a) The existing dental CT scanner service from which the dental CT scanner(s) is to be  
382 ~~relocated~~REPLACED has been in operation for at least 36 months as of the date an application is  
383 submitted to the Department.

384  
385 (b) FOR VOLUME PURPOSES, THE NEW SITE SHALL REMAIN ASSOCIATED WITH THE  
386 EXISTING CT SERVICE FOR A MINIMUM OF THREE YEARS.

387 (c) The proposed new site is ~~in the relocation zone~~WITHIN A 10-MILE RADIUS OF A SITE AT  
388 WHICH AN EXISTING FIXED DENTAL CT SCANNER SERVICE IS LOCATED IF AN EXISTING FIXED  
389 DENTAL CT SCANNER SERVICE IS LOCATED IN A METROPOLITAN STATISTICAL AREA COUNTY,  
390 OR A 20-MILE RADIUS IF AN EXISTING FIXED DENTAL CT SCANNER SERVICE IS LOCATED IN A  
391 RURAL OR MICROPOLITAN STATISTICAL AREA COUNTY.

392 (d) The requirements of sections 6 or 8, as applicable have been met.

393 (e) Each existing dental CT scanner at the service from which a scanner is to be relocated performed  
394 at least an average of 200 dental CT examinations per fixed dental CT scanner in the most recent 12-  
395 month period for which the Department has verifiable data.

396 (f) The applicant agrees to operate the dental CT scanner(s) at the proposed site in accordance with  
397 all applicable project delivery requirements set forth in Section 19 of these standards.

398 **Section 9. Requirements for approval for applicants proposing to relocate an existing CT scanner**  
399 **service and/or CT scanner(s) other than an existing dental CT scanner service and/or dental CT**  
400 **scanner(s) or hospital-based portable CT scanner(s)**

401 ~~Sec. 9. (1) An applicant proposing to relocate an existing fixed CT scanner service shall demonstrate~~  
402 ~~that the proposed project meets all of the following:~~

403 ~~— (a) The existing fixed CT scanner service to be relocated has been in operation for at least 36 months~~  
404 ~~as of the date an application is submitted to the Department.~~

405 ~~— (b) The proposed new site is in the relocation zone.~~

406 ~~— (c) The requirements of sections 5 or 7, as applicable, have been met.~~

407 ~~— (d) The CT scanner service to be relocated performed at least an average of 7,500 CT equivalents~~  
408 ~~per fixed scanner in the most recent 12-month period for which the Department has verifiable data.~~

409 ~~— (e) The applicant agrees to operate the CT scanner service in accordance with all applicable project~~  
410 ~~delivery requirements set forth in Section 19 of these standards.~~

411 ~~— (2) An applicant proposing to relocate a fixed CT scanner(s) of an existing CT scanner service shall~~  
412 ~~demonstrate that the proposed project meets all of the following:~~

413 ~~— (a) The existing CT scanner service from which the CT scanner(s) is to be relocated has been in~~  
414 ~~operation for at least 36 months as of the date an application is submitted to the Department.~~

415 ~~— (b) The proposed new site is in the relocation zone.~~

416 ~~— (c) The requirements of sections 5 or 7, as applicable, have been met.~~

417 ~~— (d) Each existing CT scanner at the service from which a scanner is to be relocated performed at~~  
418 ~~least an average of 7,500 CT equivalents per fixed scanner in the most recent 12-month period for which~~  
419 ~~the Department has verifiable data.~~

420 ~~— (e) The applicant agrees to operate the CT scanner(s) at the proposed site in accordance with all~~  
421 ~~applicable project delivery requirements set forth in Section 19 of these standards.~~

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**Section 10. Requirements for approval for applicants proposing to relocate an existing dental CT scanner service and/or dental CT scanner(s)**

- ~~—Sec. 10. (1) An applicant proposing to relocate an existing fixed dental CT scanner service shall demonstrate that the proposed project meets all of the following:~~
  - ~~—(a) The existing fixed dental CT scanner service to be relocated has been in operation for at least 36 month as of the date an application is submitted to the Department.~~
  - ~~—(b) The proposed new site is in the relocation zone.~~
  - ~~—(c) The requirements of sections 6 or 8, as applicable, have been met.~~
  - ~~—(d) The dental CT scanner service to be relocated performed at least an average of 200 dental CT examinations per fixed dental CT scanner in the most recent 12-month period for which the Department has verifiable data.~~
  - ~~—(e) The applicant agrees to operate the dental CT scanner service in accordance with all applicable project delivery requirements set forth in Section 19 of these standards.~~
- ~~—(2) An applicant proposing to relocate a fixed dental CT scanner(s) of an existing dental CT scanner service shall demonstrate that the proposed project meets all of the following:~~
  - ~~—(a) The existing dental CT scanner service from which the dental CT scanner(s) is to be relocated has been in operation for at least 36 months as of the date an application is submitted to the Department.~~
  - ~~—(b) The proposed new site is in the relocation zone.~~
  - ~~—(c) The requirements of sections 6 or 8, as applicable have been met.~~
  - ~~—(d) Each existing dental CT scanner at the service from which a scanner is to be relocated performed at least an average of 200 dental CT examinations per fixed dental CT scanner in the most recent 12-month period for which the Department has verifiable data.~~
  - ~~—(e) The applicant agrees to operate the dental CT scanner(s) at the proposed site in accordance with all applicable project delivery requirements set forth in Section 19 of these standards.~~

**Section 449. Requirements for approval for applicants proposing to acquire an existing CT scanner service or an existing CT scanner(s) other than an existing dental CT scanner service and/or an existing dental CT scanner(s) or hospital-based portable CT scanner(s)**

- Sec. 449. (1) An applicant proposing to acquire an existing fixed or mobile CT scanner service, ~~EXCEPT FOR AN APPLICANT APPROVED UNDER SECTION 3(1).~~ shall demonstrate that a proposed project meets all of the following:
  - (a) The requirements of sections 5, 7, or 9, as applicable, have been met.
  - (b) For an application for the proposed first acquisition of an existing fixed or mobile CT scanner service, for which a final decision has not been issued after June 4, 2004, an existing CT scanner service to be acquired shall not be required to be in compliance with the volume requirement applicable to the seller/lessor on the date the acquisition occurs. The CT scanner service shall be operating at the applicable volume requirements set forth in Section 19 of these standards in the second 12 months after the date the service is acquired, and annually thereafter.
  - (c) For any application for proposed acquisition of an existing fixed or mobile CT scanner service, an applicant shall be required to demonstrate that the CT scanner service to be acquired performed at least 7,500 CT equivalents in the most recent 12-month period for which the Department has verifiable data. ~~EXCEPT FOR AN APPLICANT THAT MEETS ALL OF THE REQUIREMENTS OF SECTION 3(1).~~
- (2) An applicant proposing to acquire an existing fixed or mobile CT scanner(s) of an existing fixed or mobile CT scanner service shall demonstrate that the proposed project meets all of the following:
  - (a) The requirements of sections 5, 7 or 9, as applicable, have been met.
  - (b) For any application for proposed acquisition of an existing fixed or mobile CT scanner(s) of an existing fixed or mobile CT scanner service, an applicant shall be required to demonstrate that the fixed or mobile CT scanner(s) to be acquired performed at least 7,500 CT equivalents in the most recent 12-month period for which the Department has verifiable data.

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**Section 4210. Requirements for approval for applicants proposing to acquire an existing dental CT scanner service or an existing dental CT scanner(s)**

Sec. 4210. (1) An applicant proposing to acquire an existing fixed OR MOBILE dental CT scanner service shall demonstrate that a proposed project meets all of the following:

(a) The requirements of sections 6, 8, or 10, as applicable, have been met.

(b) For an application for the proposed first acquisition of an existing fixed OR MOBILE dental CT scanner service, for which a final decision has not been issued after the effective date of these standards, an existing dental CT scanner service to be acquired shall not be required to be in compliance with the volume requirement applicable to the seller/lessor on the date the acquisition occurs. The dental CT scanner service shall be operating at the applicable volume requirements set forth in Section 19 of these standards in the second 12 months after the date the service is acquired, and annually thereafter.

(c) For any application for proposed acquisition of an existing fixed OR MOBILE dental CT scanner service, an applicant shall be required to demonstrate that the CT scanner service to be acquired performed at least 200 dental CT examinations in the most recent 12-month period, for which the Department has verifiable data.

(2) An applicant proposing to acquire an existing fixed dental CT scanner(s) of an existing fixed OR MOBILE dental CT scanner service shall demonstrate that the proposed project meets all of the following:

(a) The requirements of sections 6, 8, or 10, as applicable, have been met.

(b) For any application for proposed acquisition of an existing fixed OR MOBILE dental CT scanner(s) of an existing fixed OR MOBILE dental CT scanner service, an applicant shall be required to demonstrate that the fixed OR MOBILE dental CT scanner(s) to be acquired performed at least 200 dental CT examinations in the most recent 12-month period for which the Department has verifiable data.

**SECTION 11. REQUIREMENTS FOR A DEDICATED RESEARCH FIXED CT SCANNER**

**SEC. 11. AN APPLICANT PROPOSING TO ADD A FIXED CT SCANNER TO AN EXISTING CT SCANNER SERVICE FOR EXCLUSIVE RESEARCH USE SHALL DEMONSTRATE THE FOLLOWING:**

**(1) THE APPLICANT AGREES THAT THE DEDICATED RESEARCH CT SCANNER WILL BE USED PRIMARILY (70% OR MORE OF THE SCANS) FOR RESEARCH PURPOSES ONLY.**

**(2) THE DEDICATED RESEARCH CT SCANNER SHALL OPERATE UNDER A PROTOCOL APPROVED BY THE APPLICANT'S INSTITUTIONAL REVIEW BOARD, AS DEFINED BY PUBLIC LAW 93-348 AND REGULATED BY TITLE 45 CFR 46.**

**(3) THE PROPOSED SITE CAN HAVE NO MORE THAN THREE DEDICATED RESEARCH FIXED CT SCANNERS APPROVED UNDER THIS SECTION.**

**(4) THE DEDICATED RESEARCH SCANNER APPROVED UNDER THIS SECTION MAY NOT UTILIZE CT PROCEDURES PERFORMED ON THE DEDICATED CT SCANNER TO DEMONSTRATE NEED OR TO SATISFY CT CON REVIEW STANDARDS REQUIREMENTS.**

**Section 12. Requirements for approval of an applicant proposing a CT scanner used for the sole purpose of performing dental CT examinations exclusively for research**

Sec. 12. (1) An applicant proposing a CT scanner used for the sole purpose of performing dental CT examinations exclusively for research shall demonstrate each of the following:

(a) The applicant operates a dental radiology program in a certified dental school.

(b) The research dental CT scanner shall operate under a protocol approved by the applicant's institutional review board.

(c) The applicant agrees to operate the research dental CT scanner in accordance with the terms of approval in Section 19(4).

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Comment [A7]: Response to #3 CT Workgroup Charge

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534 (2) An applicant meeting the requirements of subsection (1) shall also demonstrate compliance with  
535 the requirements of sections 4(2), 4(4) and 4(5).

537 **Section 13. ~~Pilot program requirements~~ Requirements for approval of a hospital-based portable**  
538 **CT scanner for initiation, expansion, replacement, and acquisition**

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540 Sec. 13. ~~As a pilot program, a~~ An applicant proposing to initiate, expand, replace, or acquire a hospital-  
541 based portable CT scanner shall demonstrate that it meets all of the following:

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543 (1) An applicant is limited to the initiation, expansion, replacement, or acquisition of no more than two  
544 hospital-based portable CT scanners.

546 (2) The proposed site is a hospital licensed under Part 215 of the Code.

548 (3) The hospital has been certified as a level I or level II trauma facility by the American College of  
549 Surgeons, or has performed >100 craniotomies in the most recent 12- month period verifiable by the  
550 Department.

552 (4) The applicant agrees to operate the hospital-based portable CT scanner in accordance with all  
553 applicable project delivery requirements set forth in Section 19 of these standards.

555 (5) The approved hospital-based portable CT scanner will not be subject to CT volume requirements.

557 (6) The applicant may not utilize CT procedures performed on a hospital-based portable CT scanner  
558 to demonstrate need or to satisfy CT CON review standards requirements.

560 ~~(7) The Commission may decide to have the requirements of the pilot program described in this~~  
561 ~~section become a permanent part of the CT scanner services standards. If the Commission does not take~~  
562 ~~action to make the pilot program a permanent part of the standards, the provisions of Section 13, as part~~  
563 ~~of a pilot program, will expire on December 31, 2016 and be of no further force and effect after December~~  
564 ~~31, 2016. Any applicant seeking to be part of the pilot program described in this section must submit its~~  
565 ~~application on or before December 1, 2013. These provisions shall not be applicable to any application~~  
566 ~~which has not been submitted by December 1, 2013.~~

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Comment [A8]: Removed pilot program language at July meeting.

568 **Section 14. Requirements for approval of a PET/CT hybrid for initiation, expansion, replacement,**  
569 **and acquisition**

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570 Sec. 14. An applicant proposing to initiate, expand, replace, or acquire a PET/CT hybrid shall  
572 demonstrate that it meets all of the following:

574 (1) There is an approved PET CON for the PET/CT hybrid, and the PET/CT hybrid is in compliance  
575 with all applicable project delivery requirements as set forth in the CON review standards for PET.

577 (2) The applicant agrees to operate the PET/CT hybrid in accordance with all applicable project  
578 delivery requirements set forth in Section 19 of these standards.

580 (3) The approved PET/CT hybrid will not be subject to CT volume requirements.

582 (4) A PET/CT scanner hybrid approved under the CON Review Standards for PET Scanner Services  
583 and the Review Standards for CT Scanner Services may not utilize CT procedures performed on a hybrid  
584 scanner to demonstrate need or to satisfy CT CON review standards requirements.

586 **SECTION 15. REQUIREMENTS FOR APPROVAL OF A CT-ANGIO HYBRID UNIT FOR INITIATION,**  
587 **REPLACEMENT, AND ACQUISITION**

588  
589 SEC. 15. AN APPLICANT PROPOSING TO INITIATE, REPLACE, OR ACQUIRE A HOSPITAL-  
590 BASED CT-ANGIO HYBRID UNIT SHALL DEMONSTRATE EACH OF THE FOLLOWING, AS  
591 APPLICABLE TO THE PROPOSED PROJECT:  
592  
593 (1) THE PROPOSED SITE IS A LICENSED HOSPITAL UNDER PART 215 OF THE CODE.  
594  
595 (2) THE PROPOSED SITE HAS AN EXISTING FIXED CT SCANNER SERVICE THAT HAS BEEN  
596 OPERATIONAL FOR THE PREVIOUS 36 CONSECUTIVE MONTHS AND IS MEETING ITS MINIMUM  
597 VOLUME REQUIREMENTS.  
598  
599 (3) THE PROPOSED SITE OFFERS THE FOLLOWING SERVICES:  
600 (a) DIAGNOSTIC CARDIAC CATHETERIZATION; OR  
601 (b) INTERVENTIONAL RADIOLOGY; OR  
602 (c) SURGICAL SERVICES  
603  
604 (4) THE PROPOSED CT-ANGIO HYBRID UNIT MUST BE LOCATED IN ONE OF THE  
605 FOLLOWING ROOMS:  
606 (a) CARDIAC CATHETERIZATION LAB; OR  
607 (b) INTERVENTIONAL RADIOLOGY SUITE; OR  
608 (c) LICENSED OPERATING ROOM  
609  
610 (5) DIAGNOSTIC CT STUDIES SHALL NOT BE PERFORMED ON A CT-ANGIO HYBRID UNIT  
611 APPROVED UNDER THIS SECTION UNLESS THE PATIENT IS CURRENTLY UNDERGOING A CT-  
612 ANGIO HYBRID INTERVENTIONAL PROCEDURE AND IS IN NEED OF A SECONDARY DIAGNOSTIC  
613 CT STUDY.  
614  
615 (6) THE APPROVED CT-ANGIO HYBRID SHALL NOT BE SUBJECT TO CT VOLUME  
616 REQUIREMENTS.  
617  
618 (7) THE APPLICANT SHALL NOT UTILIZE THE PROCEDURES PERFORMED ON THE CT-ANGIO  
619 HYBRID UNIT TO DEMONSTRATE NEED OR TO SATISFY CT CON REVIEW STANDARDS  
620 REQUIREMENTS.

621  
622 **Section 4516. Additional requirements for approval of a mobile CT scanner service**

623  
624 Sec. 4516. (1) An applicant proposing to initiate a mobile CT scanner service in Michigan shall  
625 demonstrate that it meets all of the following:  
626 (a) A separate CON application shall be submitted by the central service coordinator and each  
627 Michigan host facility.  
628 (b) The normal route schedule, the procedures for handling emergency situations, and copies of all  
629 potential contracts related to the mobile CT scanner service shall be included in the CON application  
630 submitted by the central service coordinator.  
631 (c) The requirements of sections 3, 5, or 7, as applicable, have been met.  
632  
633 (2) An applicant proposing to become a host facility on an existing mobile CT scanner network shall  
634 demonstrate that it meets all of the following:  
635 (a) Approval of the application will not result in an increase in the number of operating mobile CT  
636 scanners for the mobile CT scanner network unless the requirements of Section 5 have been met.  
637 (b) A separate CON application has been filed for each host facility.  
638  
639 (3) An applicant proposing to replace a central service coordinator on an existing mobile CT scanner  
640 network shall demonstrate that approval of the application will not replace the CT scanner and  
641 transporting equipment unless the applicable requirements of Section 7 have been met.

Comment [A9]: Response to Workgroup Charge #6 (which was added at the Workgroup meeting)

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**SECTION 17. ADDITIONAL REQUIREMENTS FOR APPROVAL OF A MOBILE DENTAL CT SCANNER SERVICE**

SEC. 17. (1) AN APPLICANT PROPOSING TO INITIATE A MOBILE DENTAL CT SCANNER SERVICE IN MICHIGAN SHALL DEMONSTRATE THAT IT MEETS ALL OF THE FOLLOWING:

(A) A SEPARATE CON APPLICATION SHALL BE SUBMITTED BY THE CENTRAL SERVICE COORDINATOR AND EACH MICHIGAN HOST FACILITY.

(B) THE NORMAL ROUTE SCHEDULE, THE PROCEDURES FOR HANDLING EMERGENCY SITUATIONS, AND COPIES OF ALL POTENTIAL CONTRACTS RELATED TO THE MOBILE DENTAL CT SCANNER SERVICE SHALL BE INCLUDED IN THE CON APPLICATION SUBMITTED BY THE CENTRAL SERVICE COORDINATOR.

(C) THE REQUIREMENTS OF SECTIONS 4, 6 OR 8, AS APPLICABLE, HAVE BEEN MET.

(2) AN APPLICANT PROPOSING TO BECOME A HOST FACILITY ON AN EXISTING MOBILE DENTAL CT SCANNER NETWORK SHALL DEMONSTRATE THAT IT MEETS ALL OF THE FOLLOWING:

(A) APPROVAL OF THE APPLICATION WILL NOT RESULT IN AN INCREASE IN THE NUMBER OF OPERATING MOBILE DENTAL CT SCANNERS FOR THE MOBILE DENTAL CT SCANNER NETWORK UNLESS THE REQUIREMENTS OF SECTION 6 HAVE BEEN MET.

(B) A SEPARATE CON APPLICATION HAS BEEN FILED FOR EACH HOST FACILITY.

(3) AN APPLICANT PROPOSING TO REPLACE A CENTRAL SERVICE COORDINATOR ON AN EXISTING MOBILE DENTAL CT SCANNER NETWORK SHALL DEMONSTRATE THAT APPROVAL OF THE APPLICATION WILL NOT REPLACE THE DENTAL CT SCANNER AND TRANSPORTING EQUIPMENT UNLESS THE APPLICABLE REQUIREMENTS OF SECTION 8 HAVE BEEN MET.

~~**Section 1615. Requirements for approval of an applicant proposing a CT scanner used for the sole purpose of performing dental CT examinations exclusively for research**~~

~~— Sec. 1615. (1) An applicant proposing a CT scanner used for the sole purpose of performing dental CT examinations exclusively for research shall demonstrate each of the following:~~

~~— (a) The applicant operates a dental radiology program in a certified dental school.~~

~~— (b) The research dental CT scanner shall operate under a protocol approved by the applicant's institutional review board.~~

~~— (c) The applicant agrees to operate the research dental CT scanner in accordance with the terms of approval in Section 19(4).~~

~~— (2) An applicant meeting the requirements of subsection (1) shall also demonstrate compliance with the requirements of sections 4(2), 4(4) and 4(5).~~

**Section 4718. Requirements for approval of an applicant proposing to establish dedicated pediatric CT Scanner**

Sec. 4718. (1) An applicant proposing to establish dedicated pediatric CT shall demonstrate all of the following:

(a) The applicant shall have experienced at least 7,000 pediatric (< 18 years old) discharges (excluding normal newborns) in the most recent year of operation.

(b) The applicant shall have performed at least 5,000 pediatric (< 18 years old) surgeries in the most recent year of operation.

(c) The applicant shall have an active medical staff, at the time the application is submitted to the Department that includes, but is not limited to, physicians who are fellowship-trained in the following pediatric specialties:

- 696 (i) pediatric radiology (at least two)
- 697 (ii) pediatric anesthesiology
- 698 (iii) pediatric cardiology
- 699 (iv) pediatric critical care
- 700 (v) pediatric gastroenterology
- 701 (vi) pediatric hematology/oncology
- 702 (vii) pediatric neurology
- 703 (viii) pediatric neurosurgery
- 704 (ix) pediatric orthopedic surgery
- 705 (x) pediatric pathology
- 706 (xi) pediatric pulmonology
- 707 (xii) pediatric surgery
- 708 (xiii) neonatology
- 709 (d) The applicant shall have in operation the following pediatric specialty programs at the time the
- 710 application is submitted to the Department:
- 711 (i) pediatric bone marrow transplant program
- 712 (ii) established pediatric sedation program
- 713 (iii) pediatric open heart program
- 714
- 715 (2) An applicant meeting the requirements of subsection (1) shall be exempt from meeting the
- 716 requirements of Section 3 of these standards.

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718 | **Section 4819. Requirements for MEDICAID approval—~~all applicants~~PARTICIPATION**

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720 | Sec. 4819. An applicant shall provide verification of Medicaid participation. An applicant that is a new

721 provider not currently enrolled in Medicaid shall certify that proof of Medicaid participation will be provided

722 to the Department within six (6) months from the offering of services if a CON is approved.

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724 | **Section 4920. Project delivery requirements —AND terms of approval for all applicants**

725

726 | ~~Sec. 4920. (1)~~ An applicant shall agree that, if approved, the ~~services provided by the~~ CT scanner(s)

727 SERVICES shall be delivered in compliance with the following terms of CON approval:

- 728 (a1) Compliance with these standards.
- 729 ~~(b) Compliance with applicable safety and operating standards~~

730 (e2) Compliance with the following quality assurance standards:

731 ~~(i) The approved CT scanners shall be operating at the applicable required volumes within the time~~

732 ~~periods specified in these standards, and annually thereafter.~~

733 (ii) The applicant shall establish a mechanism to assure that the CT scanner facility is staffed so that:

734 (A) The screening of requests for CT procedures and interpretation of CT procedures will be

735 performed by physicians with training and experience in the appropriate diagnostic use and interpretation

736 of cross-sectional images of the anatomical region(s) to be examined, and

737 (B) The CT scanner is operated by physicians and/or is operated by radiological technologists

738 qualified by training and experience to operate the CT scanner safely and effectively.

739 For purposes of evaluating (ii) (A), the Department shall consider it prima facie evidence of a

740 satisfactory assurance mechanism as to screening and interpretation if the applicant requires the

741 screening of requests for and interpretations of CT procedures to be performed by physicians who are

742 board certified or eligible in radiology or are neurologists or other specialists trained in cross-sectional

743 imaging of a specific organ system. For purposes of evaluating (ii) (B) the Department shall consider it

744 prima facie evidence of a satisfactory assurance mechanism as to the operation of a CT scanner if the

745 applicant requires the CT scanner to be operated by a physician or by a technologist registered by the

746 American Registry of Radiological Technologists (ARRT) or the American Registry of Clinical Radiography

747 Technologists (ARCRT). However, the applicant may submit and the Department may accept other

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Comment [A10]: CT Workgroup needs to Review the Project Delivery Requirements.

749 evidence that the applicant has established a mechanism to assure that the CT scanner facility is  
750 appropriately and adequately staffed as to screening, interpretation, and/or operation of a CT scanner.  
751 | ~~(iii)~~ The applicant shall employ or contract with a radiation physicist to review the quality and safety of  
752 the operation of the CT scanner.  
753 | ~~(iv)~~ The applicant shall assure that at least one of the physicians responsible for the screening and  
754 interpretation as defined in subsection ~~(ii)~~(A) will be in the CT facility or available on a 24-hour basis  
755 (either on-site or through telecommunication capabilities) to make the final interpretation.  
756 | ~~(v)~~ In the case of an urgent or emergency CT scan, the applicant shall assure that a physician so  
757 authorized by the applicant to interpret initial scans will be on-site or available through telecommunication  
758 capabilities within 1 hour following completion of the scanning procedure to render an initial interpretation  
759 of the scan. A final interpretation shall be rendered by a physician so authorized under subsection ~~(ii)~~(A)  
760 within 24 hours.  
761 | ~~(vi)~~ The applicant shall have, within the CT scanner facility, equipment and supplies to handle clinical  
762 emergencies that might occur within the CT unit, with CT facility staff trained in CPR and other appropriate  
763 emergency interventions, and a physician on site in or immediately available to the CT scanner at all times  
764 when patients are undergoing scans.  
765 | ~~(vii)~~ Fixed CT scanner services at each facility shall be made available 24 hours a day for emergency  
766 patients.  
767 | ~~(viii)~~ The applicant shall accept referrals for CT scanner services from all appropriately licensed  
768 practitioners.  
769 | ~~(ix)~~ The applicant shall establish and maintain: (a) a standing medical staff and governing body (or its  
770 equivalent) requirement that provides for the medical and administrative control of the ordering and  
771 utilization of CT patient procedures, and (b) a formal program of utilization review and quality assurance.  
772 These responsibilities may be assigned to an existing body of the applicant, as appropriate.  
773 | ~~(x)~~ An applicant approved under Section 17 must be able to prove that all radiologists, technologists  
774 and nursing staff working with CT patients have continuing education or in-service training on pediatric  
775 low-dose CT. The site must also be able to provide evidence of defined low-dose pediatric CT protocols.

776 (3) COMPLIANCE WITH THE FOLLOWING ACCESS TO CARE REQUIREMENTS:

777 | ~~(i)~~ The applicant, to assure that the CT scanner will be utilized by all segments of the Michigan  
778 population, shall:  
779 | ~~(A)~~ not deny ANY CT scanner services to any individual based on ability to pay or source of payment;  
780 | ~~(B)~~ provide ALL CT scanning services to any individual based on the clinical indications of need for  
781 the service; and  
782 | ~~(C)~~ maintain information by payor and non-paying sources to indicate the volume of care from each  
783 source provided annually.  
784 | (b) An applicant shall participate in Medicaid at least 12 consecutive months within the first two years  
785 of operation and continue to participate annually thereafter.  
786 | (c) The operation of and referral of patients to the CT scanner shall be in conformance with 1978 PA  
787 368, Sec. 16221, as amended by 1986 PA 319; MCL 333.16221; MSA 14.15 (16221).

788  
789  
790 Compliance with selective contracting requirements shall not be construed as a violation of this term.

791 (4) COMPLIANCE WITH THE FOLLOWING MONITORING AND REPORTING REQUIREMENTS:

792 | ~~(a) The approved CT scanners shall be operating at the applicable required volumes AN AVERAGE~~  
793 ~~within the time periods specified in these standards. OF 7,500 CT EQUIVALENTS SCANNER PER FIXED~~  
794 ~~SCANNER AND 3,500 CT EQUIVALENTS PER MOBILE SCANNER PER YEAR FOR THE SECOND 12-~~  
795 ~~MONTH PERIOD AFTER BEGINNING OPERATION OF THE CT SCANNER, and annually thereafter.~~  
796 | ~~(b)~~ The applicant shall participate in a data collection network established and administered by the  
797 Department or its designee. The data may include, but is not limited to, annual budget and cost  
798 information, operating schedules, through-put schedules, demographic and diagnostic information, the  
799 volume of care provided to patients from all payor sources, and other data requested by the Department,  
800 and approved by the Commission. The applicant shall provide the required data on a separate basis for  
801 each separate and distinct site as required by the Department; in a format established by the Department;

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803 and in a mutually agreed upon media. The Department may elect to verify the data through on-site review  
804 of appropriate records.

805 ~~(xiii)~~ Equipment to be replaced shall be removed from service.

806 ~~(xiv)~~ The applicant shall provide the Department with a TIMELY notice ~~stating the date the approved~~  
807 ~~CT scanner service is placed in operation and such notice shall be submitted to the Department OF THE~~  
808 ~~PROPOSED PROJECT IMPLEMENTATION~~ consistent with applicable statute and promulgated rules.

809 ~~—(xv) An applicant shall participate in Medicaid at least 12 consecutive months within the first two years~~  
810 ~~of operation and continue to participate annually thereafter.~~

811 ~~(e)~~ An applicant approved under Section 4 shall not be required to be in compliance with subsection  
812 ~~(e2), but shall be in compliance with the following quality assurance standards:~~

813 ~~—(i) The CT scanner shall be operating at least 200 CT equivalents per year for the second 12-month~~  
814 ~~period after beginning operation of the dental CT scanner and annually thereafter.~~

815

816

817 (5) COMPLIANCE WITH THE FOLLOWING DENTAL CT SCANNER (FIXED OR MOBILE)  
818 REQUIREMENTS, IF APPLICABLE:

819 ~~(ia)~~ The CT scanner will be used for the sole purpose of dental CT examinations.

820 ~~(ib)~~ The applicant shall demonstrate to the satisfaction of the Department that the person(s) (e.g.,  
821 technician, dentist) operating the dental CT scanner has been appropriately trained and/or certified by one  
822 of the following groups, as recognized by the Department: a dental radiology program in a certified dental  
823 school, an appropriate professional society, or a dental continuing education program accredited by the  
824 American Dental Association.

825 ~~(ic)~~ The applicant shall demonstrate to the satisfaction of the Department that the dental CT  
826 examinations generated by the dental CT scanner will be interpreted by a licensed dentist(s) trained  
827 and/or certified by one of the following groups, as recognized by the Department: a dental radiology  
828 program in a certified dental school, an appropriate professional society, or a dental continuing education  
829 program accredited by the American Dental Association.

830 ~~(id)~~ The applicant shall demonstrate to the satisfaction of the Department that the dentists using the  
831 dental CT examinations for performing dental procedures has had the appropriate training and/or  
832 experience certified by one of the following groups, as recognized by the Department: a dental radiology  
833 program in a certified dental school, an appropriate professional society, or a dental continuing education  
834 program accredited by the American Dental Association.

835 ~~(ie)~~ The applicant, to assure that the dental CT scanner will be utilized by all segments of the Michigan  
836 population, shall:

837 ~~(Ai)~~ not deny dental CT scanner services to any individual based on ability to pay or source of  
838 payment;

839 ~~(Bii)~~ provide dental CT scanning services to any individual based on the clinical indications of need for  
840 the service; and

841 ~~(Ciii)~~ maintain information by payor and non-paying sources to indicate the volume of care from each  
842 source provided annually. Compliance with selective contracting requirements shall not be construed as a  
843 violation of this term.

844 ~~(f) The CT scanner shall be operating at least 200 CT equivalents per year for the second 12-month~~  
845 ~~period after beginning operation of the dental CT scanner and annually thereafter.~~

846 ~~(viig)~~ The applicant shall participate in a data collection network established and administered by the  
847 Department or its designee. The data may include, but is not limited to, annual budget and cost  
848 information, operating schedules, through-put schedules, demographic and diagnostic information, the  
849 volume of care provided to patients from all payor sources, and other data requested by the Department,  
850 and approved by the Commission. The applicant shall provide the required data on a separate basis for  
851 each separate and distinct site as required by the Department; in a format established by the Department;  
852 and in a mutually agreed upon media. The Department may elect to verify the data through on-site review  
853 of appropriate records.

854 ~~(viiih)~~ Equipment to be replaced shall be removed from service.

855 ~~(ixi)~~ The applicant shall provide the Department with a TIMELY notice ~~stating the date the approved~~  
856 ~~dental CT scanner service is placed in operation and such notice shall be submitted to the Department OF~~

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857 | THE PROPOSED PROJECT IMPLEMENTATION consistent with applicable statute and promulgated  
858 | rules.

859 | ~~(xj)~~ An applicant shall participate in Medicaid at least 12 consecutive months within the first two years  
860 | of operation and continue to participate annually thereafter.

861 | ~~(2e) The agreements and assurances required by this section shall be in the form of a certification~~  
862 | ~~agreed to by the applicant or its authorized agent.~~

863 |

864 | ~~(3) The operation of and referral of patients to the CT scanner shall be in conformance with 1978 PA~~  
865 | ~~368, Sec. 16221, as amended by 1986 PA 319; MCL 333.16221; MSA 14.15 (16221).~~

866 |

867 | (46) An applicant for a CT scanner used for dental research under Section 4618(1) shall agree that the  
868 | services provided by the CT scanner approved pursuant to Section 16(1) shall be delivered in compliance  
869 | with the following terms of CON approval:

870 | (a) The capital and operating costs relating to the CT scanner used for dental research pursuant to  
871 | Section 4612(1) shall be charged only to a specific research account(s) and not to any patient or third-  
872 | party payor.

873 | (b) The CT scanner used for dental research approved pursuant to Section 4612(1) shall not be used  
874 | for any purposes other than as approved by the institutional review board unless the applicant has  
875 | obtained CON approval for the CT scanner pursuant to part 222 and these standards, other than Section  
876 | 4612.

877 |

878 | (57) An applicant approved under Section 13 shall be in compliance with the following:

879 | (a) Portable CT scanner can only be used by a qualifying ~~pilot~~ program for the following purposes:

880 | (i) Brain scanning of patients being treated in an adult or pediatric Intensive Care Unit (ICU).  
881 | (ii) Non-diagnostic, intraoperative guidance in an operating room.

882 | (b) The approved applicant must provide annual reports to the Department by January 31<sup>st</sup> of each  
883 | year for the preceding calendar year. This requirement applies to all applicants approved under Section  
884 | 13 ~~and begins with 2010 data which is to be reported in 2011.~~

885 | (c) The following data must be reported to the Department:

886 | (i) Number of adult studies (age>=18)  
887 | (ii) Number of pediatric studies (age<18)  
888 | (iii) Number of studies performed using a portable CT on the same patient while that patient is in an  
889 | ICU

890 | ~~(iv) Number of patients scanned on a portable CT that underwent subsequent scanning on a fixed CT~~  
891 | ~~within 12 hours of the portable CT scan~~

892 |

893 | (8) AN APPLICANT APPROVED UNDER SECTION 15 SHALL BE IN COMPLIANCE WITH THE  
894 | FOLLOWING:

895 | (a) THE PROPOSED SITE OFFERS THE FOLLOWING SERVICES:

896 | (i) DIAGNOSTIC CARDIAC CATHETERIZATION; OR  
897 | (ii) INTERVENTIONAL RADIOLOGY; OR  
898 | (iii) SURGICAL SERVICES

899 | (b) THE PROPOSED CT-ANGIO HYBRID UNIT MUST BE LOCATED IN ONE OF THE  
900 | FOLLOWING ROOMS:

901 | (i) CARDIAC CATHETERIZATION LAB; OR  
902 | (ii) INTERVENTIONAL RADIOLOGY SUITE; OR  
903 | (iii) LICENSED OPERATING ROOM

904 |

905 | (29) The agreements and assurances required by this section shall be in the form of a certification  
906 | agreed to by the applicant or its authorized agent.

907 |

908 | **Section 2021. Project delivery requirements AND additional terms of approval for applicants**  
909 | **involving mobile CT scanners**

910 |

911 | Sec. 2021. (1) In addition to the provisions of Section 19, an applicant for a mobile CT scanner shall  
912 agree that the services provided by the mobile CT scanner(s) shall be delivered in compliance with the  
913 following terms of CON approval:

914 (a) A host facility shall submit only one CON application for a CT scanner for review at any given  
915 time.

916 (b) A mobile CT scanner with an approved CON shall notify the Michigan Department of Community  
917 Health prior to ending service with an existing host facility.

918 (c) A CON shall be required to add a host facility.

919 (d) A CON shall be required to change the central service coordinator.

920 (e) Each host facility must have at least one board certified or board eligible radiologist on its medical  
921 staff. The radiologist(s) shall be responsible for: (i) establishing patient examination and infusion  
922 protocol, and (ii) providing for the interpretation of scans performed by the mobile CT scanner.

923 (f) Each mobile CT scanner service must have an Operations Committee with members  
924 representing each host facility, the central service coordinator, and the central service medical director.  
925 This committee shall oversee the effective and efficient use of the CT scanner, establish the normal route  
926 schedule, identify the process by which changes are to be made to the schedule, develop procedures for  
927 handling emergency situations, and review the ongoing operations of the mobile CT scanner on at least a  
928 quarterly basis.

929 (g) The central service coordinator shall arrange for emergency repair services to be available 24  
930 hours each day for the mobile CT scanner as well as the vehicle transporting the equipment. In addition,  
931 to preserve image quality and minimize CT scanner downtime, calibration checks shall be performed on  
932 the CT scanner at least once each work day and routine maintenance services shall be provided on a  
933 regularly scheduled basis, at least once a week during hours not normally used for patient procedures.

934 (h) Each host facility must provide a properly prepared parking pad for the mobile CT scanner of  
935 sufficient load-bearing capacity to support the vehicle, a waiting area for patients, and a means for  
936 patients to enter the vehicle without going outside (such as a canopy or enclosed corridor). Each host  
937 facility must also provide the capability for processing the film and maintaining the confidentiality of patient  
938 records. A communication system must be provided between the mobile vehicle and each host facility to  
939 provide for immediate notification of emergency medical situations.

940 (i) A mobile CT scanner service shall operate under a contractual agreement that includes the  
941 provision of CT scanner services at each host facility on a regularly scheduled basis.

942 (j) The volume of utilization at each host facility shall be reported to the Department by the central  
943 service coordinator under the terms of Section 19(1)(c)(xi).

944  
945 (2) The agreements and assurances required by this section shall be in the form of a certification  
946 agreed to by the applicant or its authorized agent.

947  
948 | **Section 2422. Determination of CT Equivalents**

949  
950 | Sec. 2422. CT equivalents shall be calculated as follows:

951 (a) Each billable procedure for the time period specified in the applicable section(s) of these  
952 standards shall be assigned to a category set forth in Table 1.

953 (b) The number of billable procedures for each category in the time period specified in the applicable  
954 section(s) of these standards shall be multiplied by the corresponding conversion factor in Table 1 to  
955 determine the number of CT equivalents for that category for that time period.

956 (c) The number of CT equivalents for each category shall be summed to determine the total CT  
957 equivalents for the time period specified in the applicable section(s) of these standards.

958 (d) The conversion factor for pediatric/special needs patients does not apply to procedures performed  
959 on a dedicated pediatric CT scanner.

960  
961 |

Table 1	Number of	Conversion	CT
Category	Billable CT	Factor	Equivalents
	Procedures		

962  
963  
964

965	Head Scans w/o Contrast		X	1.00	=	
966	(includes dental CT examinations)					
967	Head Scans with Contrast		X	1.25	=	
968	Head Scans w/o & w Contrast		X	1.75	=	
969	Body Scans w/o Contrast		X	1.50	=	
970	Body Scans with Contrast		X	1.75	=	
971	Body Scans w/o & w Contrast		X	2.75	=	
972						
973	Pediatric/Special Needs Patient					
974	Head scans w/o Contrast		x	1.25	=	
975	(includes dental CT examinations)					
976	Pediatric/Special Needs Patient					
977	Head Scans with Contrast		x	1.50	=	
978	Pediatric/Special Needs Patient					
979	Head Scans w/o & with Contrast		x	2.00	=	
980	Pediatric/Special Needs Patient					
981	Body Scans w/o Contrast		x	1.75	=	
982	Pediatric/Special Needs Patient					
983	Body Scans with Contrast		x	2.00	=	
984	Pediatric/Special Needs Patient					
985	Body Scans w/o & with Contrast		x	3.00	=	
986						
987	Total CT Equivalents					

**Comment [A11]:** REVIEW FOR CHANGES WITH NEW BUNDLING METHODOLOGY, IF ADOPTED 9/23/13

**Section 2223. Documentation of projections**

Sec. 2223. An applicant required to project volumes under sections 3-~~AND 4 and 5~~ shall demonstrate the following, as applicable:

(1) An applicant required to project under Section 3 shall demonstrate that the projection is based on historical physician referrals that resulted in an actual scan for the most recent 12-month period immediately preceding the date of the application. Historical physician referrals will be verified with the data maintained by the Department through its "Annual Hospital statistical survey" and/or "Annual Freestanding Statistical Survey."

(2) An applicant required to project under Section 4 shall demonstrate that the projection is based on a combination of the following for the most recent 12-month period immediately preceding the date of the application:

(a) the number of dental procedures performed by the applicant, and

(b) the number of committed dental procedures performed by referring licensed dentists. Further, the applicant and the referring licensed dentists shall substantiate the numbers through the submission of HIPAA compliant billing records.

~~(3) An applicant required to project under Section 5 shall demonstrate that the projection is based on historical utilization at the applicant's site for the most recent 12-month period immediately preceding the date of the application.~~

(43) An applicant shall demonstrate that the projected number of referrals to be performed at the proposed site under subsections (1) ~~and (2)~~ are from an existing CT scanner service that is in compliance with the volume requirements applicable to that service, and will continue to be in compliance with the volume requirements applicable to that service subsequent to the initiation of the proposed CT scanner service by an applicant. **THIS DOES NOT INCLUDE DENTAL CT SCANNERS.** Only excess CT equivalents equal to or greater than what is being committed pursuant to this subsection may be used to document projections under subsection (1). In demonstrating compliance with this subsection, an applicant shall provide each of the following:

1019 (a) A written commitment from each referring physician that he or she will refer at least the volume of  
1020 CT scans to be transferred to the proposed CT scanner service for no less than 3 years subsequent to the  
1021 initiation of the CT scanner service proposed by an applicant.

1022 (b) The number of referrals committed must have resulted in an actual CT scan of the patient at the  
1023 existing CT scanner service from which referral will be transferred. The committing physician must make  
1024 available HIPAA compliant audit material if needed upon Department request to verify referral sources and  
1025 outcomes. Commitments must be verified by the most recent data set maintained by the Department  
1026 through its "Annual Hospital Statistical Survey" and/or "Annual Freestanding Statistical Survey."

1027 (c) The projected referrals are from an existing CT scanner service within a 75-mile radius for rural  
1028 and micropolitan statistical area counties or 20-mile radius for metropolitan statistical area counties.  
1029

1030 | **Section 2324. Effect on prior CON review standards; comparative reviews**

1031  
1032 Sec. 2324. (1) These CON review standards supersede and replace the CON Review Standards  
1033 for Computed Tomography Scanner Services approved by the CON Commission on ~~April 30,~~  
1034 ~~2008~~ DECEMBER 15, 2011 and effective on ~~June 20, 2008~~ FEBRUARY 27, 2012.

1035  
1036 (2) Projects reviewed under these standards shall not be subject to comparative review.  
1037

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**Section 24. Health Service Areas**

**Sec. 24.** Counties assigned to each of the health service areas are as follows:

<b>HEALTH SERVICE AREA</b>	<b>COUNTIES</b>		
<b>1 - Southeast</b>	Livingston Macomb Wayne	Monroe Oakland	St. Clair Washtenaw
<b>2 - Mid-Southern</b>	Clinton Eaton	Hillsdale Ingham	Jackson Lenawee
<b>3 - Southwest</b>	Barry Berrien Branch	Calhoun Cass Kalamazoo	St. Joseph Van Buren
<b>4 - West</b>	Allegan Ionia Kent Lake	Mason Mecosta Montcalm Muskegon	Newaygo Oceana Osceola Ottawa
<b>5 - GLS</b>	Genesee	Lapeer	Shiawassee
<b>6 - East</b>	Arenac Bay Clare Gladwin Gratiot	Huron Iosco Isabella Midland Ogemaw	Roscommon Saginaw Sanilac Tuscola
<b>7 - Northern Lower</b>	Alcona Alpena Antrim Benzie Charlevoix Cheboygan	Crawford Emmet Gd Traverse Kalkaska Leelanau Manistee	Missaukee Montmorency Oscoda Otsego Presque Isle Wexford
<b>8 - Upper Peninsula</b>	Alger Baraga Chippewa Delta Dickinson	Gogebic Houghton Iron Keweenaw Luce	Mackinac Marquette Menominee Ontonagon Schoolcraft

**APPENDIX A-B**

1082 |  
1083  
1084 Rural Michigan counties are as follows:  
1085

1086	Alcona	Hillsdale	Ogemaw
1087	Alger	Huron	Ontonagon
1088	Antrim	Iosco	Osceola
1089	Arenac	Iron	Oscoda
1090	Baraga	Lake	Otsego
1091	Charlevoix	Luce	Presque Isle
1092	Cheboygan	Mackinac	Roscommon
1093	Clare	Manistee	Sanilac
1094	Crawford	Mason	Schoolcraft
1095	Emmet	Montcalm	Tuscola
1096	Gladwin	Montmorency	
1097	Gogebic	Oceana	

1098  
1099 Metropolitan statistical area Michigan counties are as follows:  
1100

1101	Allegan	Gratiot	Mecosta
1102	Alpena	Houghton	Menominee
1103	Benzie	Isabella	Midland
1104	Branch	Kalkaska	Missaukee
1105	Chippewa	Keweenaw	St. Joseph
1106	Delta	Leelanau	Shiawassee
1107	Dickinson	Lenawee	Wexford
1108	Grand Traverse	Marquette	

1109  
1110 Metropolitan statistical area Michigan counties are as follows:  
1111

1112	Barry	Ionia	Newaygo
1113	Bay	Jackson	Oakland
1114	Berrien	Kalamazoo	Ottawa
1115	Calhoun	Kent	Saginaw
1116	Cass	Lapeer	St. Clair
1117	Clinton	Livingston	Van Buren
1118	Eaton	Macomb	Washtenaw
1119	Genesee	Monroe	Wayne
1120	Ingham	Muskegon	

1121  
1122 Source:  
1123 65 F.R., p. 82238 (December 27, 2000)  
1124 Statistical Policy Office  
1125 Office of Information and Regulatory Affairs  
1126 United States Office of Management and Budget

2013 CON CT Workgroup Survey

Facility ID	2012 CT Survey CT Equivalents	# of CT Equivalents after Bundling Conversion	Difference in CTEs (Non Bundled v. Bundled Conversion)	CTE Delta	Total scans after bundled conversion	# of bundled scans	Percentage of scans that are bundled	Facility Info	2012 Total CT Scanners
80010	13,150	13,602	452	3.44%	6,080	2,379	39%	Hospital	1
250040	33,678	35,331	1,653	4.91%	17,648	5,858	33%	Hospital	3
250050	68,100	69,665	1,565	2.30%	34,794	10,687	31%	Hospital	3
270022	7,904	7,894	-10	-0.13%	3,402	1,646	48%	Hospital	1
320020	8,695	7,791	-904	-10.40%	4,016	1,020	25%	Hospital	1
320030	5,263	5,119	-144	-2.74%	2,699	563	21%	Hospital	1
320040	1,480	1,465	-15	-1.01%	793	181	23%	Hospital	1
330050	19,395	18,890	-506	-2.60%	9,204	3,003	33%	Hospital	2
330060	97,276	98,662	1,386	1.42%	52,612	13,529	26%	Hospital	3
350010	19,426	19,280	-146	-0.75%	9,509	2,298	24%	Hospital	1
380010	50,074	50,870	796	1.59%	25,454	7,776	31%	Hospital	2
410010	35,997	36,837	840	2.33%	17,155	6,206	36%	Hospital	2
410080	55,144	55,474	330	0.60%	27,688	7,790	28%	Hospital	2
416822	8,256	8,262	6	0.07%	3,703	1,396	38%	Hospital	1
480020	4,634	4,819	185	3.99%	2,405	720	30%	Hospital	1
490030	3,856	3,952	96	2.49%	1,912	577	30%	Hospital	1
500070	58,948	58,526	-422	-0.72%	30,764	8,067	26%	Hospital	3
520050	24,097	22,688	-1,409	-5.85%	11,136	2,789	25%	Hospital	3
540030	12,342	12,620	278	2.25%	6,444	1,718	27%	Hospital	1
630014	28,083	28,507	425	1.51%	13,739	4,143	30%	Hospital	3
630030	141,557	143,086	1,529	1.08%	73,969	21,339	29%	Hospital	9
630060	2,108	2,158	50	2.37%	1,113	280	25%	Hospital	1
630070	29,600	30,024	424	1.43%	14,183	4,557	32%	Hospital	2
630080	21,384	21,585	201	0.94%	10,827	2,863	26%	Hospital	2
630120	18,577	18,647	70	0.38%	9,664	2,905	30%	Hospital	2
630130	44,586	45,234	648	1.45%	23,715	6,012	25%	Hospital	3
630160	98,613	98,356	-257	-0.26%	47,049	15,346	33%	Hospital	5
630176	48,300	48,334	34	0.07%	25,100	6,448	26%	Hospital	4
630177	43,051	43,287	236	0.55%	21,805	6,082	28%	Hospital	3
632641	4,276	4,108	-168	-3.93%	1,806	184	10%	Freestanding	1
632649	31	31	0	0.00%	27	0	0%	Freestanding	1
632660	9,021	9,290	-270	-2.98%	4,157	216	5%	Freestanding	1
636905	2,029	1,957	-72	-3.55%	812	360	44%	Freestanding	1
640021	3,704	3,771	68	1.81%	1,813	598	33%	Hospital	1
690020	12,086	12,112	26	0.22%	5,800	1,788	31%	Hospital	1
750010	8,140	8,352	212	2.60%	3,851	1,439	37%	Hospital	1
780010	17,726	17,703	-23	-0.13%	10,014	1,635	16%	Hospital	1
810060	135,989	132,103	-3,886	-2.86%	61,503	17,882	29%	Hospital	16
820010	30,279	30,931	652	2.15%	16,349	3,648	22%	Hospital	2
820030	34,560	34,979	419	1.21%	17,904	5,086	28%	Hospital	2
820040	8,833	8,321	-513	-5.80%	3,816	1,404	37%	Hospital	1
820070	29,148	29,437	289	0.99%	15,651	3,831	24%	Hospital	2
820120	85,188	87,034	1,846	2.17%	44,873	10,891	24%	Hospital	3
820170	36,735	36,997	262	0.71%	17,449	5,044	29%	Hospital	2
820250	26,008	26,549	586	2.08%	13,314	3,666	28%	Hospital	2
822642	5,065	4,953	-112	-2.21%	2,338	644	28%	Freestanding	1
822649	957	949	-8	-0.84%	416	150	36%	Freestanding	1
826830	30,606	31,288	682	2.23%	14,456	4,581	32%	Freestanding	2
830080	5,849	5,858	9	0.15%	3,767	274	7%	Hospital	1
830190	106,903	107,997	1,094	1.02%	59,225	12,051	20%	Hospital	6
830220	46,352	45,493	-859	-1.85%	21,897	6,312	29%	Hospital	4
830450	55,943	56,784	842	1.50%	31,141	7,239	23%	Hospital	3
830500	35,226	35,144	-83	-0.23%	20,737	3,895	19%	Hospital	2

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25 C035	17,435	14,673	-2,762	-15.84%	6,573	1,899	29%	Freestanding	1
33 C611	11,989	11,260	-729	-6.08%	4,795	2,070	43%	Freestanding	1
38 C004	19,360	18,537	-823	-4.25%	8,530	2,615	31%	Freestanding	1
41 C021	4,198	4,198	0	0.00%	1,922	623	32%	Freestanding	1
41 C038	6,180	6,188	9	0.13%	2,665	1,093	41%	Freestanding	1
41 C039	13,611	13,957	46	2.54%	4,966	3,157	64%	Freestanding	2
41 C040	6,487	6,512	26	0.39%	2,995	1,062	35%	Freestanding	1
44 C005	1,332	1,139	-193	-14.49%	513	159	31%	Freestanding	1
50 C611	8,269	8,045	-224	-2.71%	3,484	253	7%	Freestanding	1
50 C627	13,747	14,097	350	2.55%	6,667	2,113	32%	Freestanding	1
50 C654	1,959	1,935	-25	-1.23%	961	303	32%	Freestanding	1
50 C676	9,458	8,978	-480	-5.08%	4,098	1,500	37%	Freestanding	1
63 C696	168	165	-4	-1.79%	76	31	41%	Freestanding	1
63 C730	3,415	3,224	-191	-5.59%	1,460	409	28%	Freestanding	1
63 C732	3,142	3,080	-62	-1.97%	1,349	524	39%	Freestanding	1
63 C733	7,719	7,106	-613	-7.94%	3,282	1,248	38%	Freestanding	1
63 C784	513	509	-4	-0.78%	350	4	1%	Freestanding	1
63 C808	2,114	2,115	1	0.05%	1,667	8	0%	Freestanding	1
63 C834	673	667	-6	-0.89%	452	6	1%	Freestanding	1
63 C839	784	793	10	1.15%	401	89	22%	Freestanding	0
63 M158	367	334	-33	-8.99%	161	42	26%	Mobile	1
63 M173	1,432	1,318	-114	-7.96%	786	134	17%	Mobile	1
63 M192	3,484	3,141	-343	-9.85%	1,502	402	27%	Mobile	1
81 C600	11,797	11,618	-179	-1.52%	5,512	1,320	24%	Freestanding	1
82 C668	5,367	5,553	186	3.47%	2,620	905	35%	Freestanding	1
82 C698	5,757	5,639	-118	-2.05%	2,589	603	23%	Freestanding	1
82 C706	13,561	13,180	-382	-2.81%	6,275	1,735	28%	Freestanding	1
82 C734	8,328	8,318	-10	-0.12%	3,753	988	26%	Freestanding	1
82 C735	2,434	2,343	-91	-3.74%	1,107	319	29%	Freestanding	1
82 C768	1,970	1,933	-37	-1.88%	893	290	32%	Freestanding	1
<b>AVERAGES</b>			<b>19</b>	<b>-1.04%</b>			<b>28%</b>		