



Welcome to Metrc

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Agenda

- Introduction
- Who is Franwell
- What is Metrc
- How does Metrc work
- Security and information
- Why RFID
 - How does it work
- Integration with other software
- Training and support

www.metrc.com/michigan



Who is Franwell

- 25+ years of business experience in (high flow & volume) supply chain processes & tracking
- 30+ years of experience in computer technologies
- 15+ years focused on auto identification technology (Bar-coding, RFID, etc.)
- In-house
 - Low and high level software design & engineering
 - Digital/hardware design & engineering
 - Solution architecting
 - Help & Support



Metrc Focus

- Over 53,000 Industry users enrolled
- Over 200 State users
- Over 68,000 patients
- Over 5,200 licensees registered
- Over 11,501,800 plants commissioned
- Over 8,527,139 packages tracked
- Over 1,421,585 travel manifests processed
- Over 4,455,445,000.00 dollars transacted

Up-Time better than 99.9%

















What is Metrc?

Scope

 Metrc[™] is a compliance management solution used by regulatory bodies for the oversight of the marihuana industry.



 Metrc is a cloud hosted on-line software reporting system used by licensed marihuana businesses to manage and report supply chain activities as required by state rules.



Different System / Different Applications

Regulatory Tracking – Compliance with rules, regulations and statutes. Used to monitor and track compliance and product for public safety.

Regulatory

Materials Resource Planning – Business Management Software used for production planning, scheduling, and inventory control.

MRP

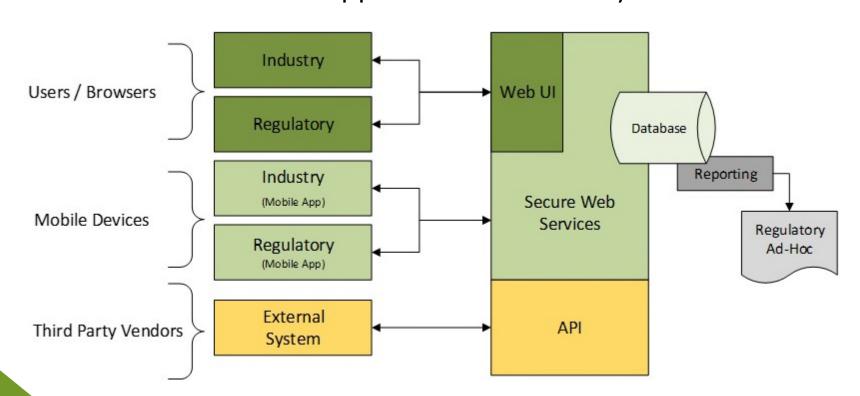
Enterprise resource planning - Business Management software used for the integrated management of core business processes, Production, Inventory, Shipping, Finance

ERP

What Makes up Metrc

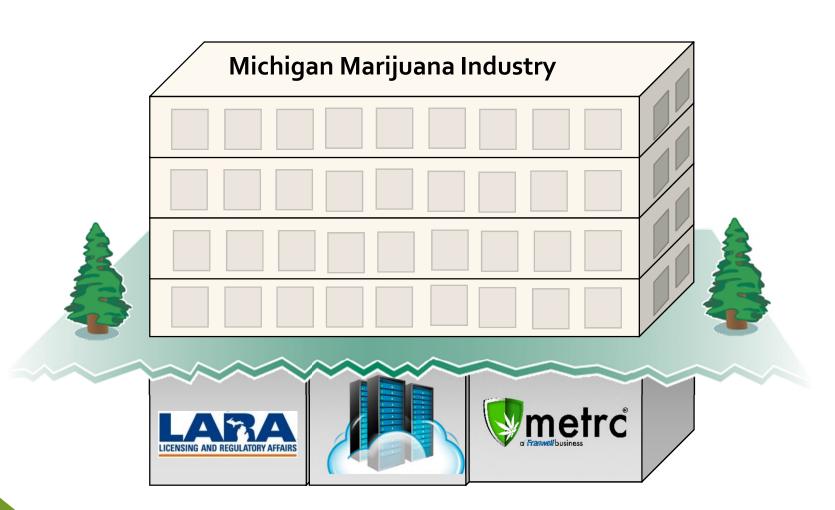
The system consists of:

- A web application
- Web services
- A mobile application for site inspection
- A mobile application for industry use



How Metrc is Built

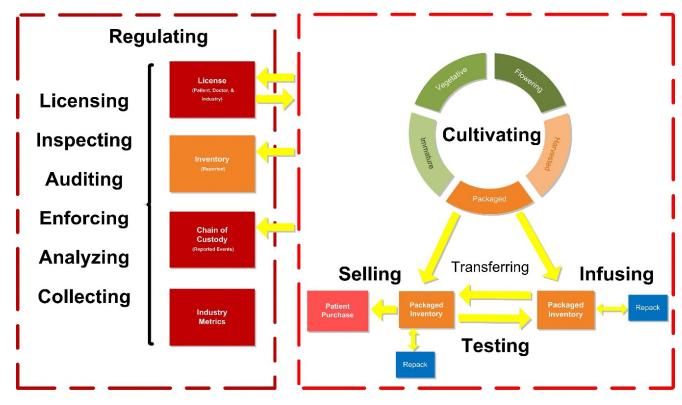
- Private dedicated hardware
- Secure on-line access
- Real-time with data backup and failover



How Does Metrc Work

How Metrc is Organized



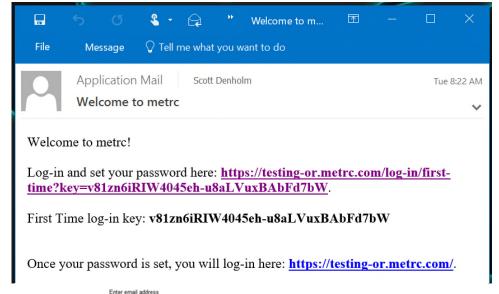






Setup Personal Profile

- After you have received your license
- First time credentialing
- "Welcome to metrc" email,
- Follow these steps to complete your login credentials:
- Click on the first link. You will be directed to the website.
- Setup a user Profile





Setup Business Profile

- 1. Receive Metrc Administrator credentials
- 2. Add facilities
- **3.** For each facility add:
 - A. Employees
 - B. Strains
 - C. Items
 - D. Locations

Permissions for each type of facility

	Grower	Processor	Provisioning Center	Safety Compliance	Secure Transporter
Plants	√				
Packages	$\sqrt{}$	$\sqrt{}$	\checkmark	\checkmark	
Transfers	√	√	\checkmark	\checkmark	√
Reports	\checkmark	$\sqrt{}$	$\sqrt{}$	\checkmark	
Sales			\checkmark		

Setup Product Profile

Categories

- Buds
- Concentrate
- Concentrate (Each)
- Immature Plants
- Infused Liquid
- Infused Liquid (Each)
- Infused-Edible
- Infused Non-Edible Solid
- Infused Non-Edible Liquid
- Shake/Trim
- Shake Trim by Strain
- Seeds
- Tissue Culture
- Wet Whole Plants
- Gas

Items

- Item names are used to identify what type of item is packed into a package.
- Category
- Type of product
- Quantity
- Unit of measure
- Used for traceability and recalls if necessary.

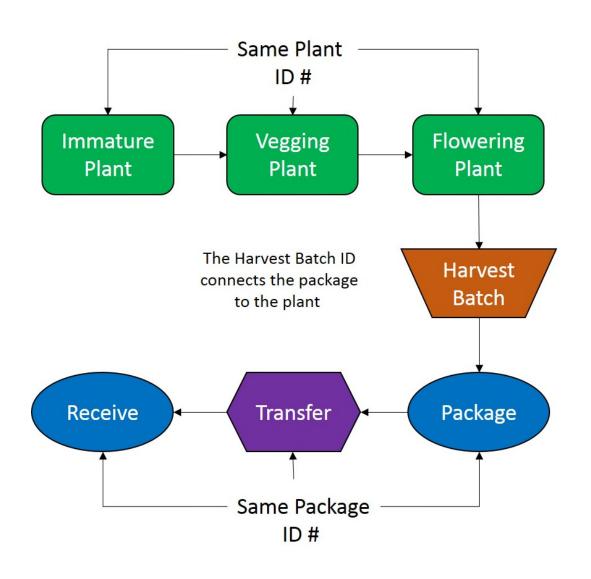
Tags and Tracking

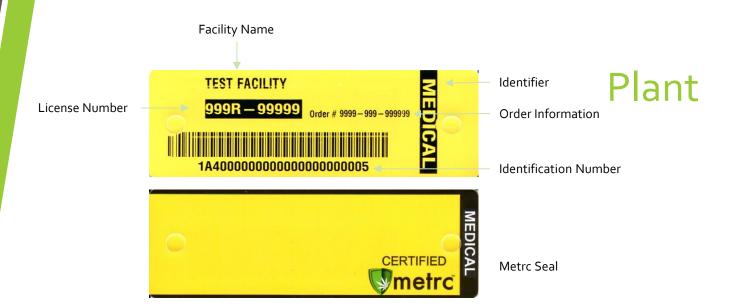
Tagged Inventory in Metrc

- There are two types of tagged inventory in Metrc; Plants and Packages.
- Plants are immature, vegetative, or flowering. All plants must enter the system through immature plant batches. However, immature plants will be entered as un-tagged Planting Groups in Metrc.
- Packages are created from immature plants, harvest batches or other packages.



Chain of Custody







Package

- Peal and stick adhesive backing.
- Package tag is used for transferring packages and tracking of finished product for each licensee in the chain of custody.
- The package tag is perforated with the "Package ID #" printed on the upper and lower sections.

 (example: can be used for jar labeling in order to identify associated package).





Tag Attached to Larger Plant







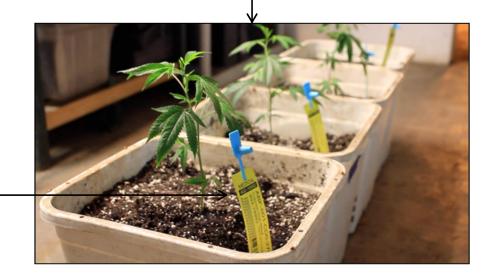


Attachment to Small Plant



Point of strap used for inserting into small plant container

Strap inserted into growth media



Plant Tag Strap User Instructions



Notch

Multi-Use straps

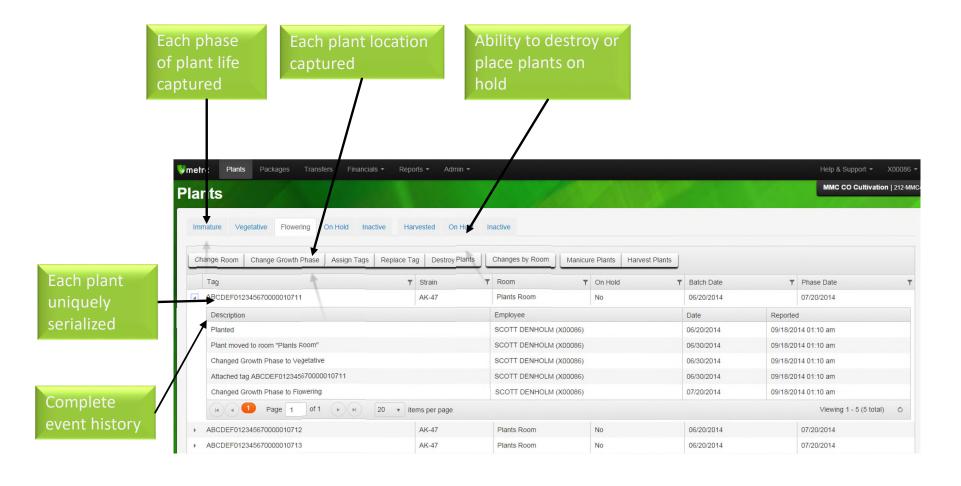
When assembling the tag to a strap, move the tag up until the notch catches the label through the hole, so that the label will not slide down.



When hanging the tag, release one end of the label, then tie the strap around the plant.

Metrc Plants

Plant Tracking

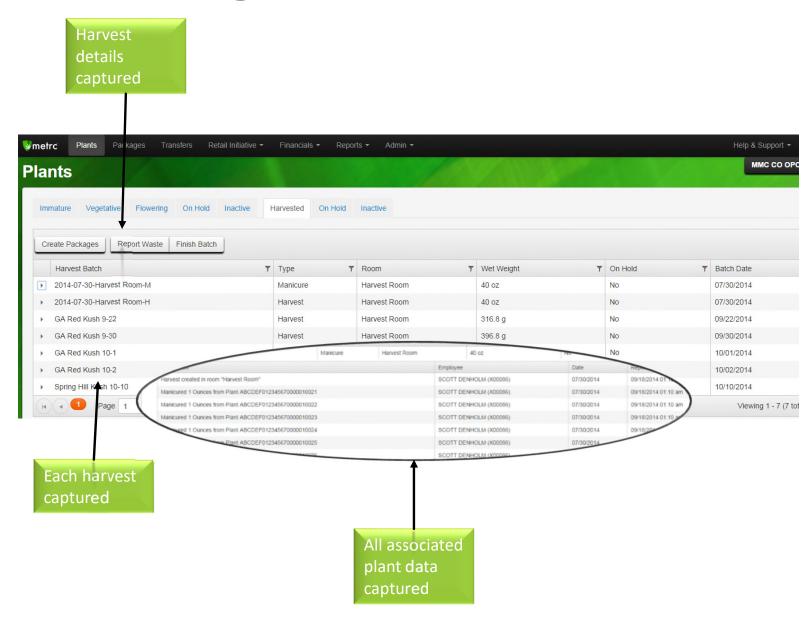


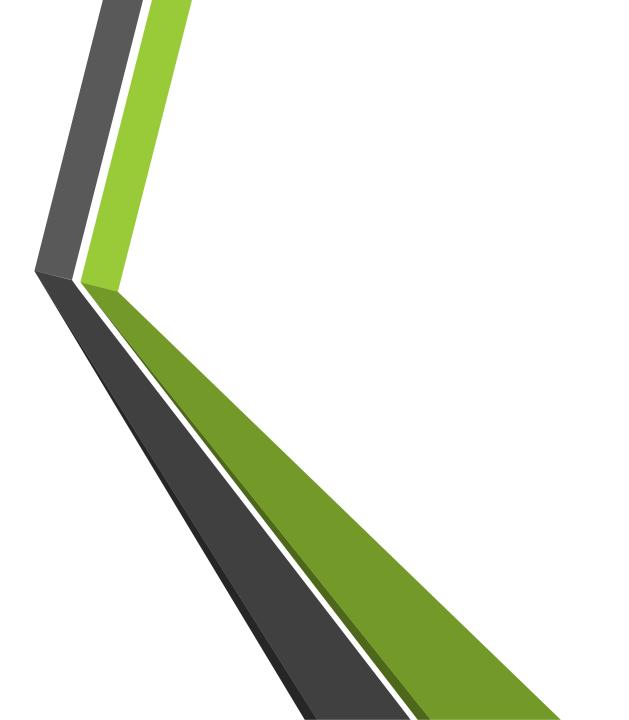
Harvest Steps

- Harvest Create harvest with associated plants
- **Weigh** the plant in its entirety after being cut from root ball (stem, stalk, bud/flower, fan leaves, trim leaves, etc.)
- Waste can be multiple entries but must be reported the day it is created
- Package pack and tag product (buds, or shake/trim)
- Transfer must create transfer manifest to move product to Testing Lab, Processors, Wholesalers etc.
- Finish when HB is completely gone



Harvest Tracking





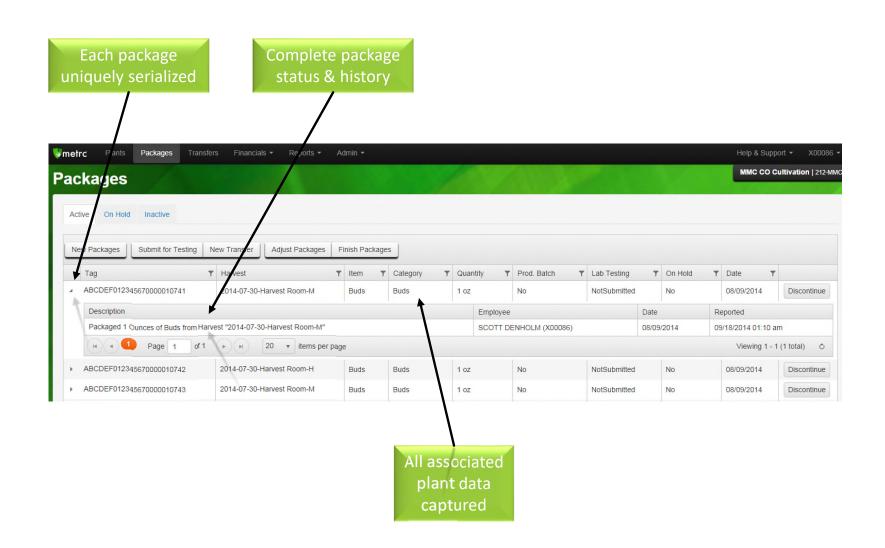
Packages

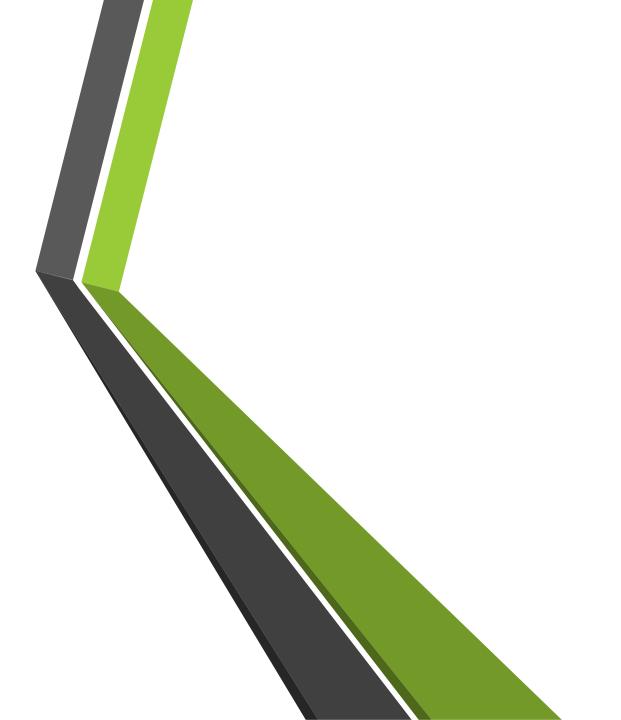
Packages - Definition

- Any amount of marijuana or infused product that may be sold, processed or transferred and must be placed into one or more containers, each having a unique tag created in Metrc.
- Any product intended for transfer must have a package tag.
- Metrc allows you to repack any package into a new package.



Package Tracking





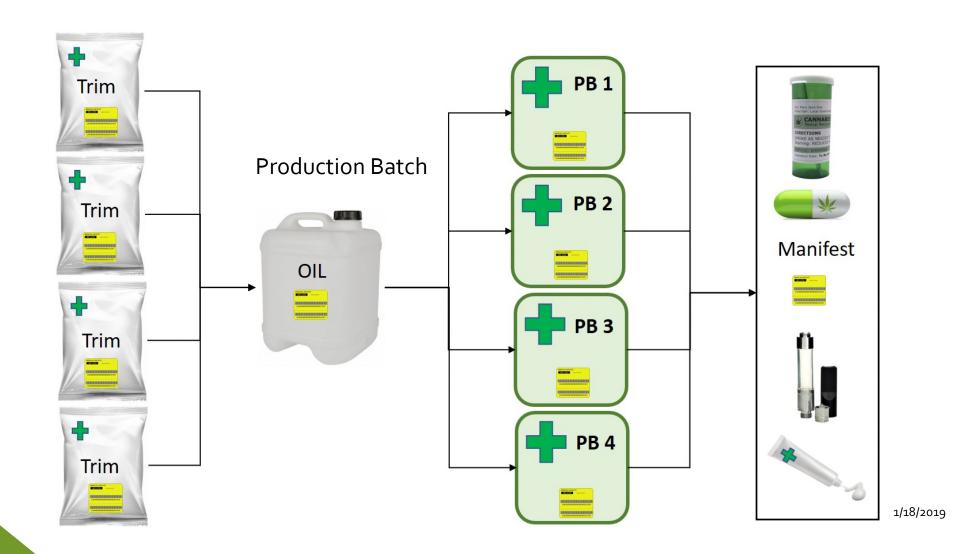
Processors

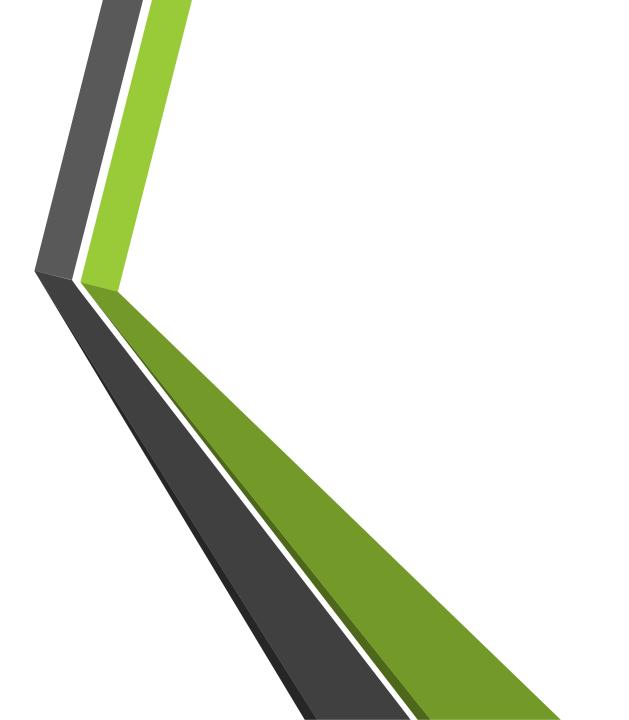
Packages & Intermediate Processes

- For in-coming packages used in an intermediate process such as making concentrate.
 - Pull from existing packages and create a new package for the concentrate.
 - The new packaged concentrate may then be partially used in an infused product such as an Infused Edible or Infused Non-Edible or another Concentrate.



Edible/Non-Edible Process

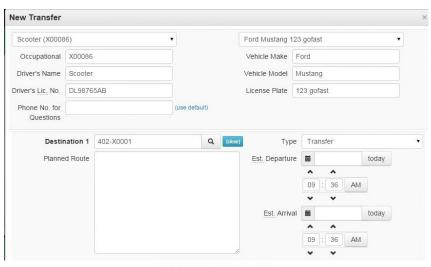




Transfers

Transfers

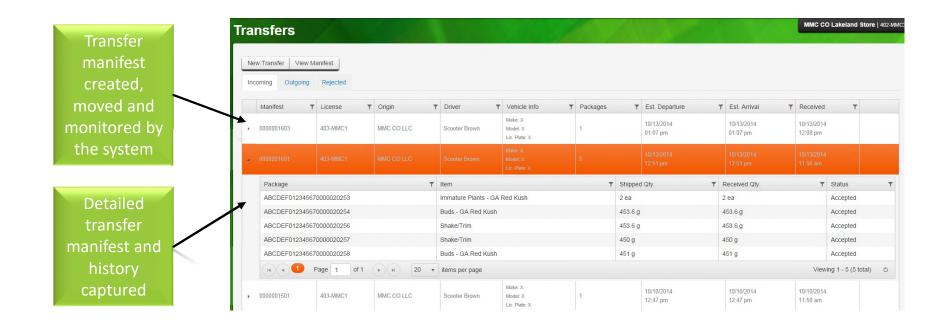
- A transfer must be created anytime a package moves from one physical location or licensed facility to another.
- A transfer can be rejected by package or completely.
- A rejected package will require the originating Licensee receive the package back into their custody.



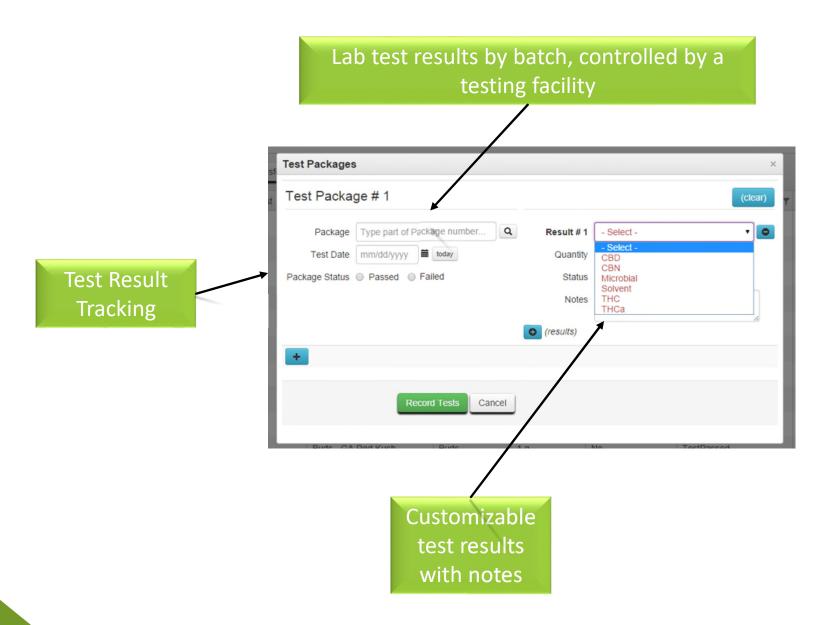
MARIJUANA ENFORCEMENT DIVISION

Manifest #: License # of Originating Entity:		0000000040		te Completed:	01/26/2016		
		300-X0002				For MED Use Only	
Name of Originating Entity: 0		OR LOFTY ESTABLISHMENT, LLC					
Address of Originating Entity:		9079 SE McLoughlin Blvd. Portland, CR: 97222-7355					
Phone # of Originating Entity:							
Phone # MED Can	Call	vith Questions: 123.456.7	7890				_
DESTINATION:	OR L	OFTY ESTABLISHMENT, LL	LC I	Destination Phone #:			
Stop Number on Route:	1		1	Destination License Number: 20		0-X0002	
	0070	SE McLaughlin Blyd.	r	date and Approximate Time of De	parture:	1/27/16 3:09 PM	
Address of Destination.	Portland OR 97222-7365			Date and Approximate Time of Arrival.		1/26/16 3:09 AM	
	item !	Description		itom Label	_	Weight/Quant	in.
item Description			48000	weight/duantity			
Shake/Trim			ABCDEF012345670000012679 ABCDEF012345670000012680			14 000	
Shake/Trim			ABCDEF012345670000012881			10,000	
Shake/Trim			ABCDE	15.000			
PRO	DUC.	TREJECTION (if only a portio	on of shipment is	rejected, circle that po	rtion ab	ove)	
Name of Person Receive Rejecting Product	ng or						
I confirm that the cont	ents of cir	this shipment match weight records o cled above. Those portions circled w	intered above, and i era returned to the i	agree to take custody of the advidual delivering this ships	se portion nent	s of this shipmer	t not
Signature:		T	Date:				
Signature of individual to shipment:	iking re	peipt of rejected portion of this					
Name of Person Transporting		: x	Оссир	ational License # of Person Tra	insporting	Pendir	9
Signature of Person Transporting:						-	

Transfer Tracking



Lab Test Results

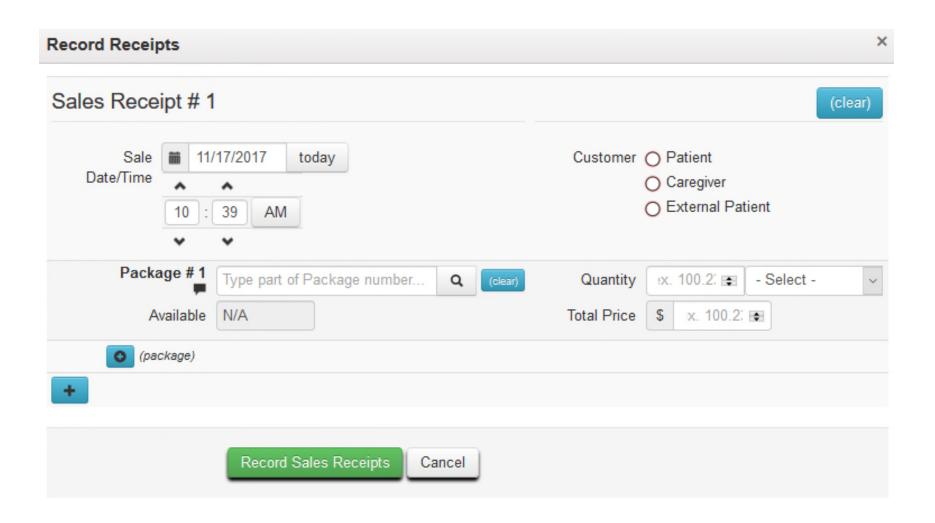


Sales

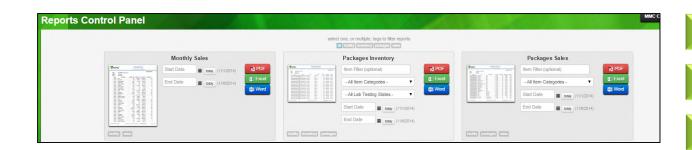
- Recording of Sales in Metrc is for "reporting last event in chain of custody"
 - Total quantity
 - Unit of Measure
 - Total dollars of the sale
- There is sales data import functionality currently with POS companies
 - POS companies will provide more details.
 - CSV File upload



Sales Reporting



Reports





Sales

Cultivation

Transfer

Package

Reports configured with trend Analysis

Exportable to MS Word, MS Excel and PDF formats

RFID, What & Why

Speed / Accuracy / Precision

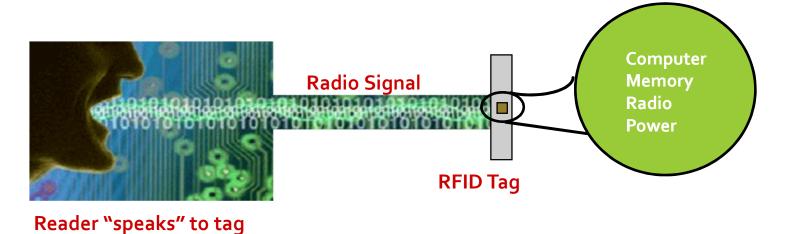




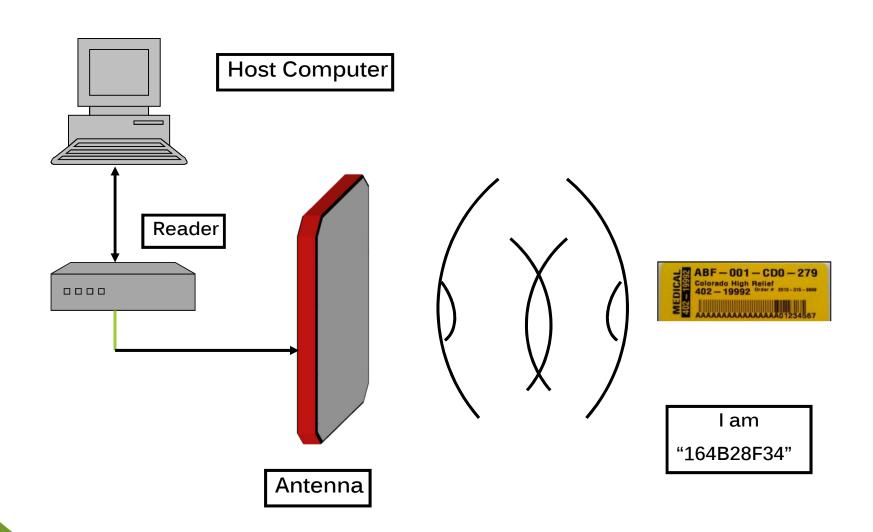


What is RFID?

- Radio Frequency Identification
 - A technology that identifies objects using low-power radio frequency technology.
- RFID Solutions consist of three components:
 - Hardware (Reader and Antenna)
 - RFID Tag
 - Software



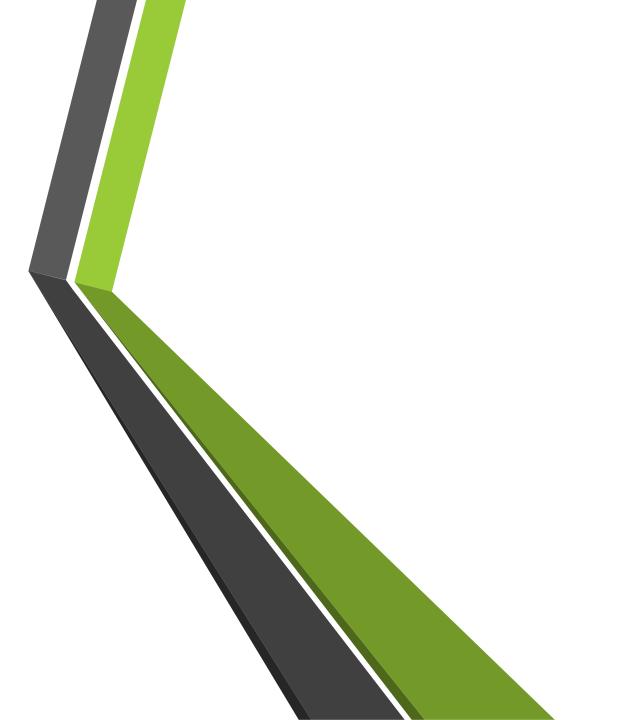
How Passive RFID Works



Why RFID

- Read Range 10+ Feet
- No line of sight
- Speed 8 to 10 times faster than bar-code
 - Improved Accuracy
 - Faster compliance
 - Search and find feature





Integration

Use Caution and Seek Clarity



- Metrc does not outsource, partner or validate 3rd party companies
- Not all aspects of Metrc are available in the API
- Remember the state does not look at other systems only the system the state procured



Application Programming Interface

- The API supports data transfer FROM vendor applications to METRC
- The API supports data transfer TO vendor applications from METRC
- The API supports data transfer FROM agency applications to METRC
- The API supports data transfer TO agency applications from METRC

Third party vendors validation process currently in process



Support

Support Resources

Support Tab

- Metrc Manual/User Guide
- Quick Reference guide
- Training
- Interactive Support
- E-mail
 - Support@metrc.com
 - Metrc support line 877-566-6506







Contact Information

Support Desk

877-556-6506

Support@metrc.com

www.metrc.com/michigan