



# Welcome to Metrc

Third-party Integrators – April 7, 2025

# Thank you for joining us today!

*Meet the Metrc team*



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# Agenda

- 1 Metrc Illinois implementation
- 2 Metrc Connect overview
- 3 Integrating with Metrc
- 4 Key milestones
- 5 Metrc resources
- 6 Q&A

# Implementation plan

Overview

# Metrc implementation overview

*The Metrc migration plan will follow a phased approach to onboard licensees in a timely fashion across the supply chain and to allow dispensaries time to sell through as much BioTrack tracked inventory before converting to Metrc.*

**Phase 1:**  
Testing Labs &  
Transporters

**Phase 2:**  
Cultivation Centers,  
Craft Growers &  
Infusers

**Phase 3:**  
Dispensaries

## Tagging inventory in Metrc

### Existing plants

Tag with Metrc plant tags. Flowering plants should be harvested in BioTrack and then converted to Metrc.



### Tested product (in BioTrack)

Transfer & sell



### Untested inventory

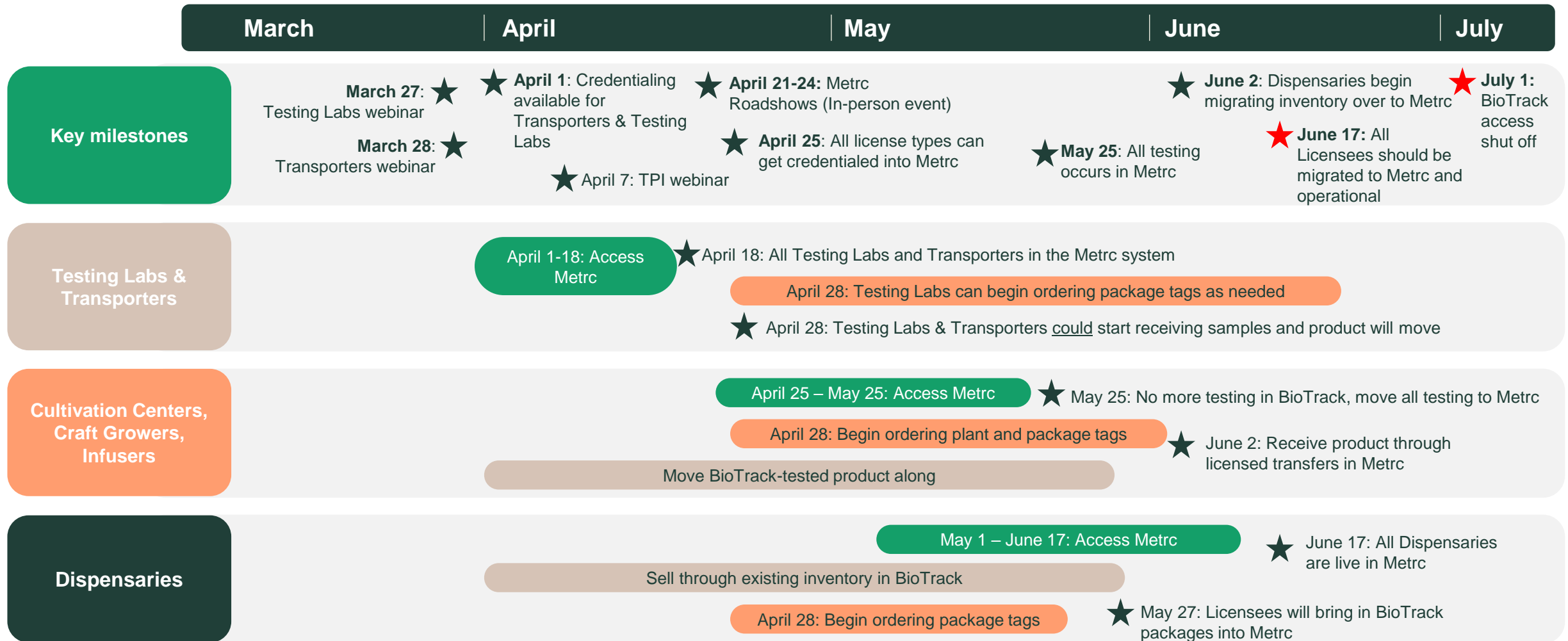
Tag with Metrc  
Package tags



### Unsold BioTrack inventory

(June 17 at the latest)  
Tag with Metrc Package  
tags

# Implementation timeline



# Metric Connect

Overview

# Metrc Connect

*To improve the integration offering and experience for our valued third-party partners, Metrc's enhanced API functionality and new portal to better solve integrators' needs.*



Enhanced functionality & new endpoints



Self-service portal with customizable settings



Data insights dashboards



Additional premium features, such as webhooks, extended lookbacks, pagination and optimized response messaging



# Already have a Metrc Connect account?

*Follow these steps to gain access.*

1

Email [api-info@metrc.com](mailto:api-info@metrc.com) requesting API access for Illinois

2

Metrc API Support confirms validation

**Approval takes (1) business day on average**  
Sandbox access granted, along with the final steps needed for production access.

3

Receive a confirmation email with documentation for accessing Metrc Connect in Illinois

4

Once you have access, generate your vendor key for Illinois

Then, pair it with the user key provided by your customer.

# Need to transition to Metrc Connect?

*If you are an existing integrator utilizing Metrc's API v1, you will be required to transition to Metrc Connect.*

1

Email [api-info@metrc.com](mailto:api-info@metrc.com) requesting API access for Illinois

Provide the first name, last name, title, & email address of the person responsible for signing the Metrc Connect API Terms of Use and Order Form.

2

Receive the API Terms of Use & Order Form email for electronic signature via DocuSign

Monitor your inbox, including spam, for the email that includes the two attachments.

3

Metrc API Support confirms validation

**Approval takes (1) business day on average**  
Sandbox access granted, along with the final steps needed for production access.

4

Receive a confirmation email with documentation for accessing Metrc Connect in Illinois

5

Once you have access, generate your vendor key for Illinois

Then, pair it with the user key provided by your customer.

# Sandbox

*Metrc Sandbox environment is currently available for all integrators via Metrc Connect.*

## Steps to take

- Verify Illinois-specific configuration set:
  - Action Reasons
  - Item Categories and Patient Limits
  - Lab Test Batches
  - Lab Test Types
  - Location Types
  - Waste Methods
  - Processing Jobs
  - Remediation Methods
  - Transfer Types
- Test key scenarios



# Integrating with Metrc

Illinois API

# Plants

*Best practices and key information for Metrc Illinois API integration.*

## Beginning inventory

- Follows a similar process used in other Metrc markets by leveraging the *POST /plantbatches/v2/plantings*
- Then move the plants to the specific growth phase via *POST /plantbatches/v2/growthphase*

## Harvested plants

- If there is an existing set of plants that have already been harvested, businesses should be reporting that inventory as a Package instead of going through the steps of reporting them through the plant lifecycle
- Each plant is expected to be reported with a unique weight during harvest

# Plants

*Best practices and key information for Metrc Illinois API integration.*

## Plant Batches

- Plant Batches will be reported as a Group Name and no Plant tag identifier will be required

## Plant Waste

- Plant Waste for Plant Batches, Plants, and Harvests should be reported into Metrc

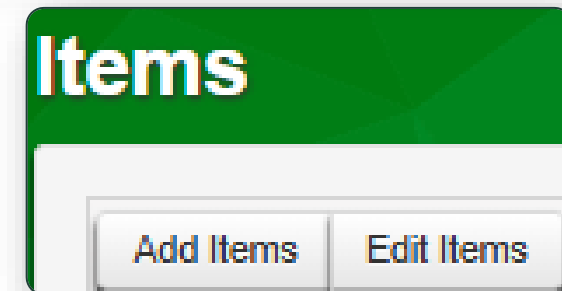
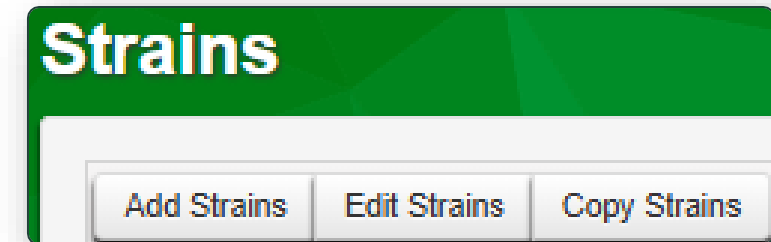
## Plant Additives

- Plant Additives reporting for Plant Batches and Plants should be reported into Metrc
  - New Additive Template reporting will be available

# New: Migrating Strains and Items

*Simplifying the migration for Strains and Items into Metrc.*

- All final items that have been approved previously by the CROO will be automatically migrated to the respective license in which they were approved. Existing strains will be migrated to support the final item migrations.
- Any bulk or work in progress items will need to be input either by an employee of the business or via API from their respective third-party integration partner.
- Any items or strains needed for beginning inventory for Testing Labs or Dispensaries will need to be input either by the employees of the business or via API from their respective third-party integration partners.
- New final items will continue to go through the same existing approval process to receive a registration number for the final goods and at this time will need to be input as a new item after go-live.



# Item categories

Non-Final Form Item Categories will be available for work in progress reporting and testing purposes.

Non-Final Form Item Categories		
Item Category	Type	Requires Strain
Bud/Flower (Bulk)	Buds	Yes
Concentrate (Bulk)	Concentrate	No
Fresh/Frozen	Plants	Yes
Hemp Concentrate (Bulk)	Concentrate	No
Immature Plants	Plants	Yes
Infused Non-Edible (Bulk)	Infused Non Edible	No
Raw Industrial Hemp	Plants	No
Seeds	Plants	Yes
Shake/Trim (Bulk)	Shake/Trim	No
Shake/Trim by Strain (Bulk)	Shake/Trim	Yes
Wet Whole Plant	Plants	Yes



# Item categories

*Final form item categories.*

Final form item categories will be:

- Count-based
- Require unit weight
- Require description
- Have optional expiration dates and 3 photo (product, label, and packaging)

Final form items approved and in use prior to go-live be migrated into the license and will have an item name to align with what was approved in NLS.

## **Recommendation:**

Update the items with photos after it has been pushed.

Final Form Item Categories	
Biotrack Item Category	Metrc Item Category
Usable Cannabis	Packaged Flower (Final Form)
	Packaged Pre-Roll (Final Form)
	Enhanced Pre-Roll (Final Form)
Cannabis Extract for Inhalation	Concentrate (Final Form)
	Vape Cartridge (Final Form)
Liquid Cannabis RSO	RSO (Final Form)
Liquid Cannabis Infused Edible	Beverage (Final Form)
	Tincture (Final Form)
Solid Cannabis Infused Edible	Capsules and Tablets (Final Form)
	Edible Food (Final Form)
Cannabis Infused Topical	Topical (Final Form)

# Packages

*Best practices and key information for Metrc Illinois API integration.*

## Beginning inventory

- Initial beginning inventory for packages will be entered into the system via an Incoming External Transfer POST `/transfers/v2/external/incoming` with an External ID referencing the previous identifier being used for tracking.

## Important reminders

- All testing of inventory will occur at the Package stage and not the Harvest Batch stage.
- The new endpoint `PUT /packages/v2/externalId` will be available to take corrective action if an External ID was incorrectly input on the beginning inventory intake process.
- Designating inventory as trade samples via `PUT /packages/v2/tradesample/flag`

# Packages

*Best practices and key information for Metrc Illinois API integration.*

## Processing Jobs

- Processing Jobs will be used instead of Production Batches for transitioning inventory from bulk or work in progress materials into Finished Goods.

## Remediation

- Remediation for packages that failed testing is permissible. Methods include:
  - Further Drying and Curing
  - Radiation/Ozone
  - Repackaging/Remixing
  - Solvent Extraction

# New External Package ID

*Simplifying the connection between an existing Package ID and a Metrc Package ID.*

- To simplify the process for bringing in beginning inventory that is already tagged with an existing ID, Metrc has added a new field for Packages to include an "External ID"
- The External ID is expected to be a 16-digit ID
- External IDs are expected to be input via the Incoming External Transfer for beginning inventory only
- If an External ID is entered incorrectly, it can be corrected via a new endpoint - *PUT /packages/v2/externalId*
- External IDs will be referenceable in the following GET packages API calls:
  - *GET /packages/v2/{id}*
  - *GET /packages/v2/{label}*
  - *GET /packages/v2/active*
  - *GET /packages/v2/inActive*
  - *GET /packages/v2/onHold*
  - *GET /packages/v2/inTransit*
  - *GET /packages/v2/labsamples*

```
"Packages": [  
  {  
    "ItemName": "Buds",  
    "Quantity": 10.0,  
    "UnitOfMeasureName": "Ounces",  
    "PackagedDate": "2018-02-04T00:00:00Z",  
    "ExpirationDate": null,  
    "SellByDate": null,  
    "UseByDate": null,  
    "GrossWeight": 20.1,  
    "GrossUnitOfWeightName": "Grams",  
    "WholesalePrice": null,  
    "ExternalId": "123456789"
```

# Testing

- Lab Test Batches will be utilized and can referenced via *GET /labtests/v2/batches*
- When creating a sample package, if a mistake is made in the test batch selection corrections can be made via *PUT /packages/v2/labtests/required*
- Remediation will be permitted
- R&D Testing will be permitted

Lab Test Batch (required)	Lab Test Types
Infused Edible	123
Infused Liquid Edible Beverage	110
Infused Non-Edible	98
Infused Prerolls	100
Inhalable Concentrate/Extract	115
Non-Solvent Concentrate	115
Raw Plant Material	82
Raw Prerolls	83
Retest Batch	1
Solvent Based Concentrate/Extract	115
Vape Cartridge	116

Lab Test Batch (R&D)	Lab Test Types
R&D Testing - Microbials - Aspergillus	4
R&D Testing - Microbials - Salmonella	1
R&D Testing - Microbials - STEC (Infused Products)	1
R&D Testing - Microbials - STEC (Raw Plant Material & Concentrate/Extract)	1
R&D Testing - Microbials - Total Coliforms	1
R&D Testing - Microbials - Total Yeast and Mold	1
R&D Testing - Potency (Concentrate/Extract)	15
R&D Testing - Potency (Infused Products)	15
R&D Testing - Potency (Raw Plant Material)	15
R&D Testing - Solvents	23
R&D Testing - Terpenes (Infused Products)	17
R&D Testing - Terpenes (Raw Plant Material & Concentrate)	17
R&D Testing - MCT Oil	4

# Transfers

## Important reminders

- Incoming External Transfers will be used to bring in initial beginning inventory. Following the beginning inventory period, **External Transfers will no longer be available for use.**
- Transfer Templates available for all license types
- Transfer Hub available for all transporters licenses

## Endpoints

Driver and Vehicle – for all license types:

- *POST /transporters/v2/vehicles*
- *POST /transporters/v2/drivers*

New Packages Transferred – for all license types:

- *GET /packages/v2/transferred*

## Standard Transfer Types

- ***Affiliated*** – Business to business transfer for the same affiliated company
- ***Wholesale*** – Business to business transfer in which there is a wholesale transaction occurring
- ***Lab Testing*** – Business to independent testing facility conducting compliance testing

# Sales and Patient Limits

## Overview

- Customer Types – Consumer, Patient, and Caregiver
- Caregiver and Patient sales will require license numbers for both the Caregiver and Patient:
  - Minor Qualifying Patient – MQP.#####
  - Qualifying Patient – QP.#####
  - Caregiver – MCG.#####

## Key updates

- There will be no Sales Deliveries or External Patient reciprocity permitted
- Patient Medical IDs will remain the same as with the current system

## Endpoints

The Patient and Caregiver Status look-up will be available via API to validate the limit remaining for the patient:

- *GET /patients/v2/statuses/{patientLicenseNumber}*
- *GET /caregivers/v2/status/{caregiverLicenseNumber}*

# Patient limits

*How to understand remaining allocations.*

- The standard patient limit will equate to a 2.5-ounce flower limit with equivalencies of 21.3 grams of weighted concentrate material or 21,300 mg of total THC infused edible materials.

**Note:** The item unit weight will be the amount that will count against the limit

- Purchases made against the allotment will restore on a rolling 14 days basis.
- Patients can be permitted to have a higher allotment by a prescribing doctor.

Metric Item Category	Unit Weight Patient Limit
Packaged Flower (Final Form)	2.5 oz Flower
Packaged Pre-Roll (Final Form)	2.5 oz Flower
Enhanced Pre-Roll (Final Form)	2.5 oz Flower
Concentrate (Final Form)	21.3g Concentrate
Vape Cartridge (Final Form)	21.3g Concentrate
RSO (Final Form)	21300 mg THC
Beverage (Final Form)	21300 mg THC
Tincture (Final Form)	21300 mg THC
Capsules and Tablets (Final Form)	21300 mg THC
Edible Food (Final Form)	21300 mg THC
Topical (Final Form)	21300 mg THC



# Better label. Bigger impact.

*Metrc Retail ID is standardizing labeling to ensure consistency, compliance, and efficiency across the market.*



**Metrc Retail ID integration  
is available in Illinois**

# Key milestones

Reminders

# Metrc implementation

*Please work with your licensed business customers early to plan for a cutover date!*

**April**

**April 1-18:** Testing Labs & Transporters access Metrc

**May**

**May 1 – June 17:** Dispensaries access Metrc

**June**

**April 25 - May 25:** Cultivation centers, Craft Growers, & Infusers access Metrc

- **4/18:** All Testing Labs & Transporters in Metrc
- **4/28:** Tag ordering begins
  - Testing Labs – package tags
  - Cultivation Centers, Craft Growers, & Infusers – plant and package tags
  - Dispensaries – package tags
- **4/28:** Testing labs & Transporters could start receiving samples

- **5/25:** No more testing in Biotrack; Move all testing to Metrc
- **5/27:** Dispensary licensees will bring in BioTrack packages into Metrc

- **6/2:** Receive product through licensed transfers in Metrc
- **6/17:** All Dispensaries are live in Metrc and all licensees should be migrated to Metrc and operational

**July 1** ★  
BioTrack access shut off

# Metrc resources

# Metrc API Support

*The Metrc team is here to help!*

Every question and conversation counts, and our dedicated support team is here to help.

Our support teams have been with us for a long time – they know and love the industry – so whether you are seeking help navigating Metrc Connect, facing technical challenges, or have a general inquiry, we take every interaction seriously and do everything we can to find a resolution quickly.

You can access Metrc API Support  
by email:

**[api-info@metrc.com](mailto:api-info@metrc.com)**

# API documentation

Access the full API documentation to assist with your integration.

## Metrc Web API Documentation

Getting Started

REST

Vendor API Key

User API Key

Authentication

Authorization

Working with the API

Dates and Times

Making Calls with Timestamps

Last Modified Filter Range

Server Responses

Postman

This All

## Getting Started

### REST

Representational State Transfer (REST) is a set of best practices for designing maintainable web services. REST defines a simple and generic interface, however, we make use of a more simplified variant:

Example	GET	POST	PUT	DELETE
Listing URL <code>/items/v2</code>	Retrieve a list of all elements	Create a new element	Update an existing element(s)	Discontinue or disable an existing element <code>/plants/v2</code> <b>ONLY</b>
Element URL <code>/plants/v2/{id}</code>	Retrieve a specific element	✗	Update an existing element(s)	Discontinue or disable an existing element
Element Action URL <code>/plants/v2/{action}</code> <code>/plants/v2/{id}/{action}</code>	✗	Perform <code>{action}</code> on existing element(s)	Perform idempotent <code>{action}</code> on existing element(s)	✗

The **PUT** and **DELETE** methods are referred to as idempotent, meaning that the operation will produce the same result no matter how many times it is repeated. The **GET** method is a safe method (or nullipotent), meaning that calling it produces no side-effects. In other words, retrieving or accessing a record does not change it. **POST**, on the other hand, is not required to be idempotent, therefore, calling it multiple times will likely perform the same action or change each time.

<https://api-il.metrc.com/Documentation>

# Third-party Integrators in Illinois

*Licensees can locate TPIs on Metrc Connect.*

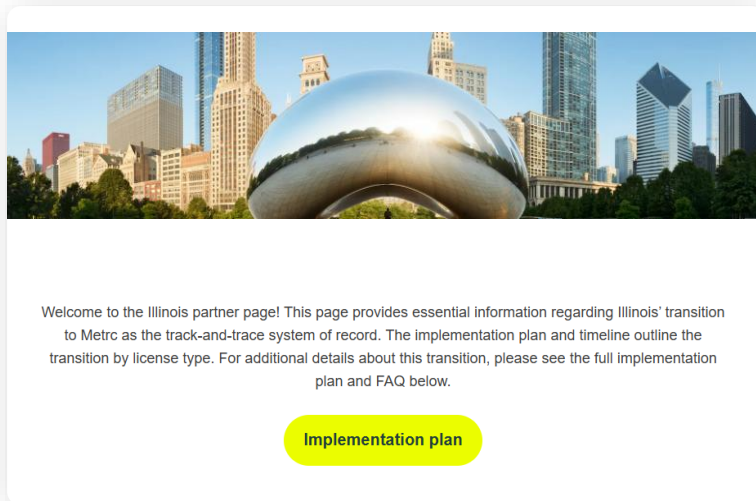
**[Metrc.com/validated-integrators/](https://metrc.com/validated-integrators/)**

- Easy to find licensed businesses in Metrc's validated integrators list.
- Search and sorting functionality helps users find what they need quickly and easily.



# Metrc Illinois implementation updates

*How to stay updated on the transition.*



[Metrc.com/partner/Illinois](https://metrc.com/partner/Illinois)

Metrc Illinois partner page

Metrc API Bulletin

<b>Bulletin Number:</b> 123	<b>Distribution Date:</b> 04/01/2025	<b>Effective Date:</b> 04/01/2025
<b>Contact Point:</b> api-info@metrc.com	<b>Subject:</b> Metrc Illinois API access update	
<b>Reason:</b> Update on the transition to Metrc in Illinois.		

Greetings,

We are excited to support the transition to Metrc as the state of Illinois' new track-and-trace system of record. To help ensure a smooth experience for you and your customers, we want to share some key updates and resources.]

**Please note:** To gain access to our Illinois API, all third-party integrators are required to transition to [Metrc Connect](#).

**Important dates & updates**

- **April 1** – Metrc sandbox with Illinois configurations will be available.
- **April 4** – A new Illinois specific endpoint will be available (External Package ID).
- **April 7** – Metrc webinar for integrators (more details below).

**Resources & next steps**

To assist with your transition, here are some key resources:

**Integrators with an existing Metrc Connect account** – Follow these steps to gain access:

- **Step 1:** Email [api-info@metrc.com](mailto:api-info@metrc.com) requesting API access for Illinois.
- **Step 2:** The Metrc API Support team will confirm your validation and provide sandbox access to Metrc Connect, along with the final steps needed for production access.

Bulletin communications



# Thank you!

If you have additional questions, reach out to Metrc API Support



**Email: [api-info@metrc.com](mailto:api-info@metrc.com)**