



SICPA

# MASSACHUSETTS EXPANDING SICPATRACE® INTO OTP

Presentation to: MA DOR – Illegal Tobacco  
Task Force

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Title/Department: COO

Company: SICPA

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Confidentiality level: **CONFIDENTIAL**



Enabling trust

# AGENDA

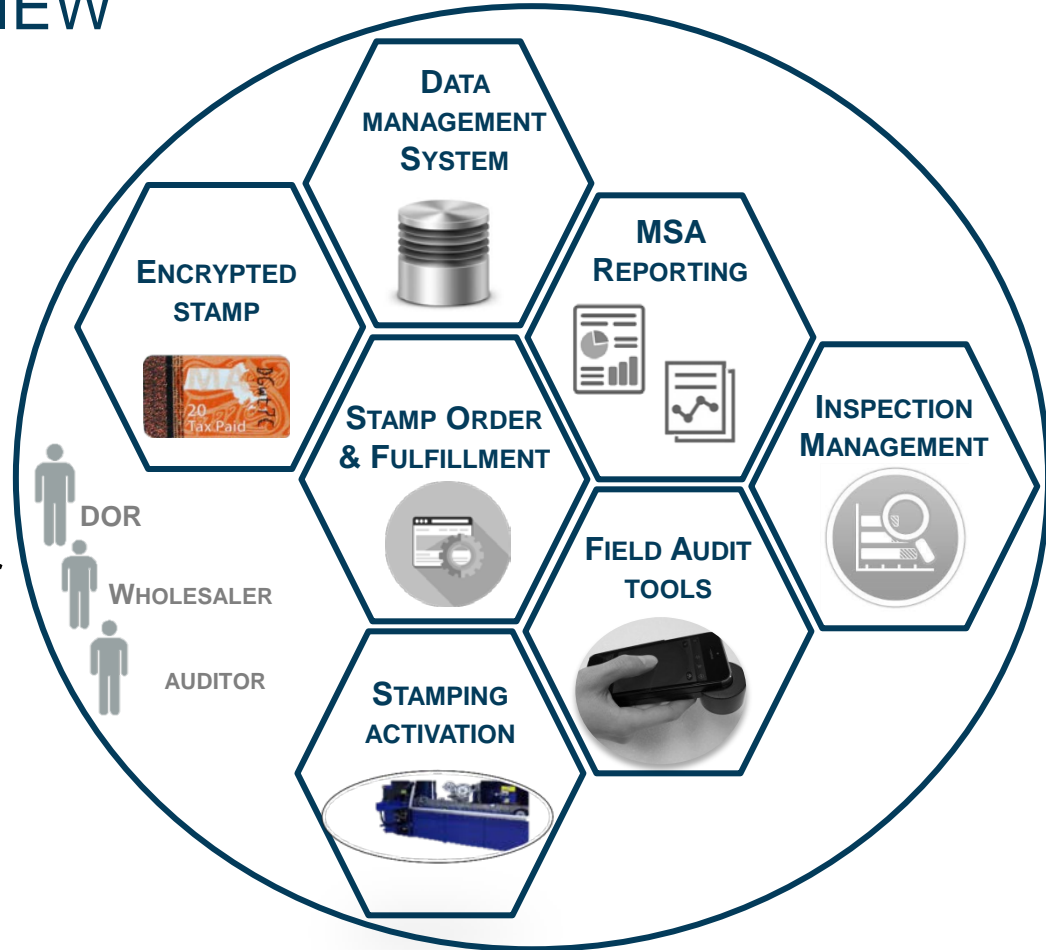
- 1. Overview of MA Tax Stamping Program**
- 2. Enhancing Through OTP Stamping**
- 3. OTP Stamping Implementation Plan**
- 4. Benefits & Next Steps**



## I. OVERVIEW OF MA TAX STAMPING PROGRAM

# SICPATRACE® - OVERVIEW

- Proven technology platform for tracking and tracing
- Modular Components
- Includes both material- and information-based security
- Provides 'Diligent Enforcement' Capabilities for MSA
- Provides Governmental customers with complete ownership of data generated by the Platform

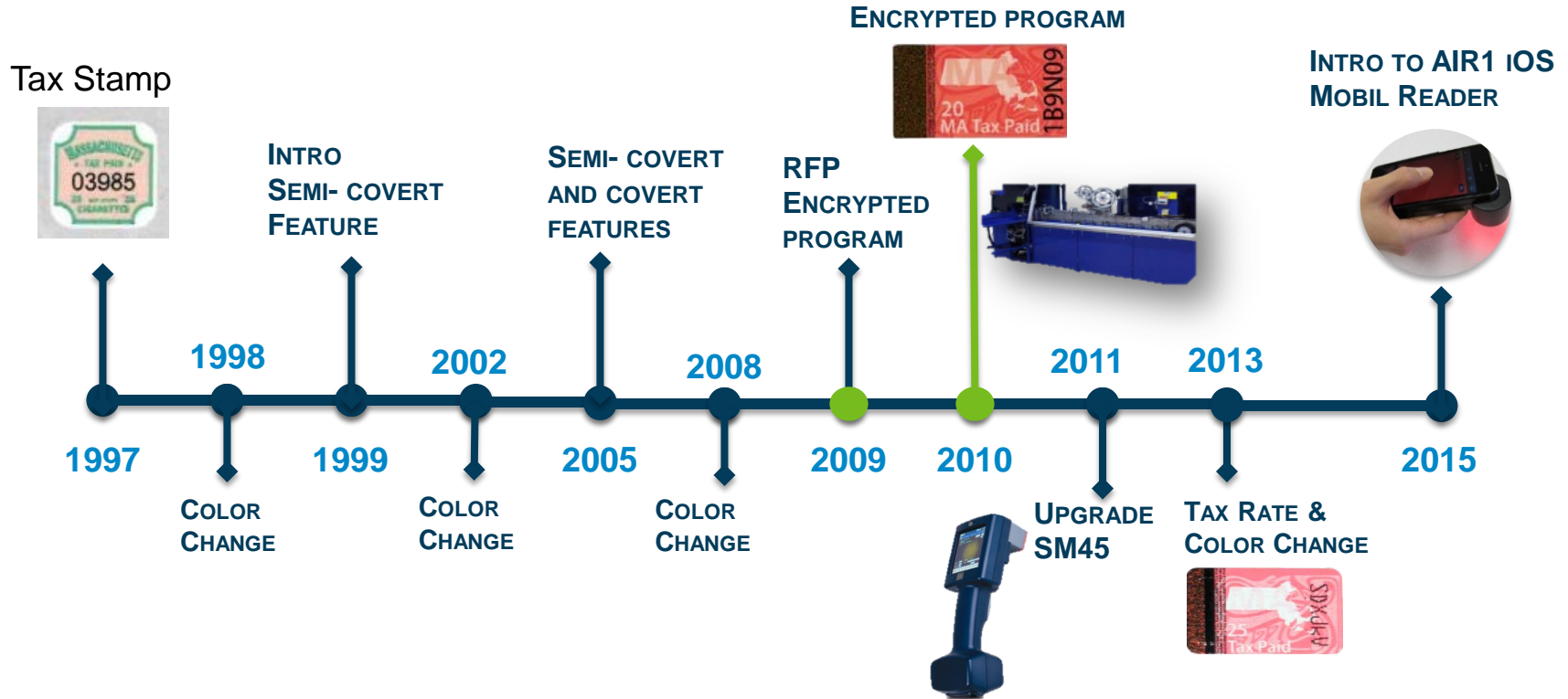


# SICPATRACE® IN MASSACHUSETTS

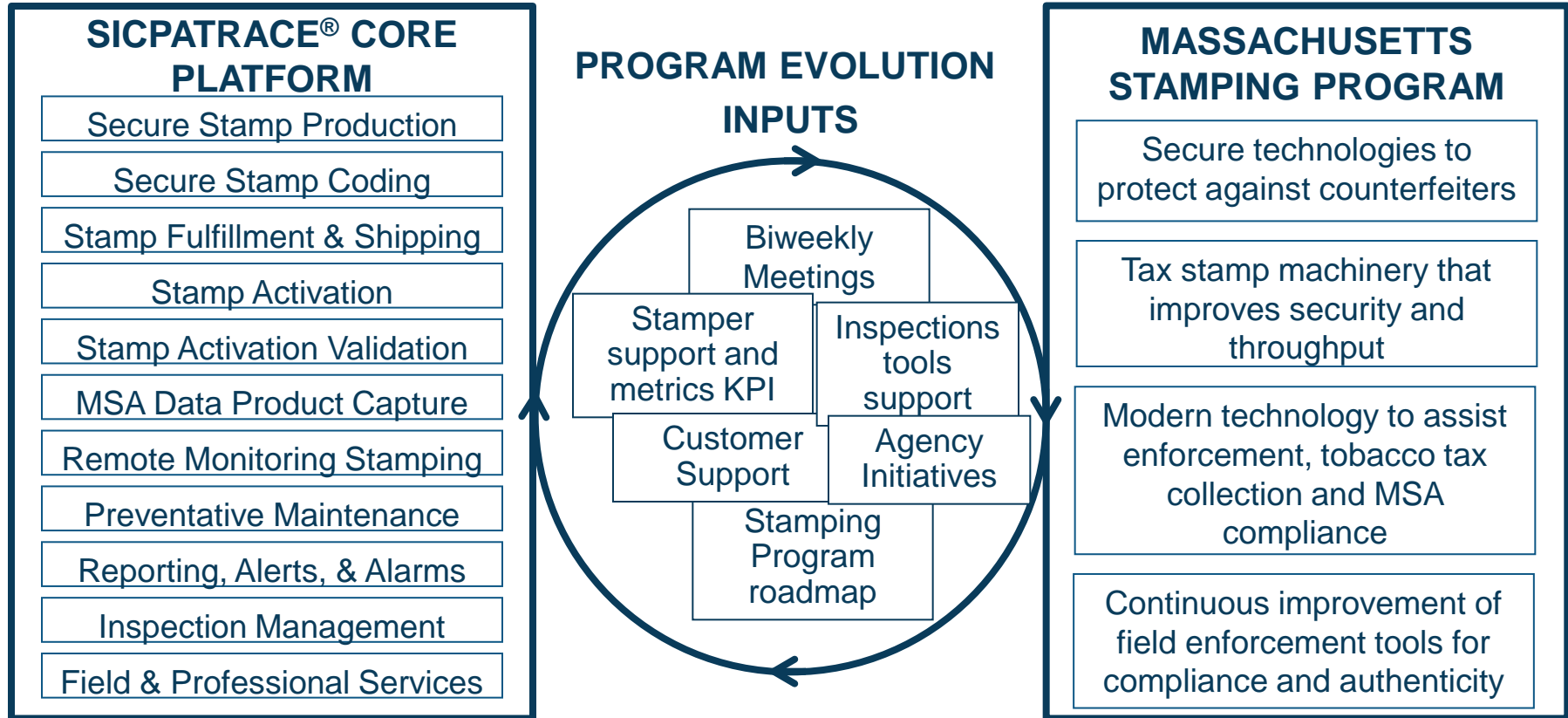
- Feb. 2010: MA DOR awarded SICPA a contract for the implementation of a State Tax Revenue Collection Platform
- The Encrypted Cigarette Excise Stamp Program distributes and tracks 180 million tax packs of cigarettes per year.
- Each stamp leverages self-adhesive stamps carrying overt, semi-covert, covert and forensic security features
- System enables validation of distributor names, date of stamp application, brand variance and other fields
- United Silicone is SICPA's machine partner for the development, implementation and servicing of all High Volume Stamping Machines



# HISTORY OF THE MA TAX STAMPING PROGRAM



# SICPA COMMITMENT TO CONTINUOUS IMPROVEMENTS





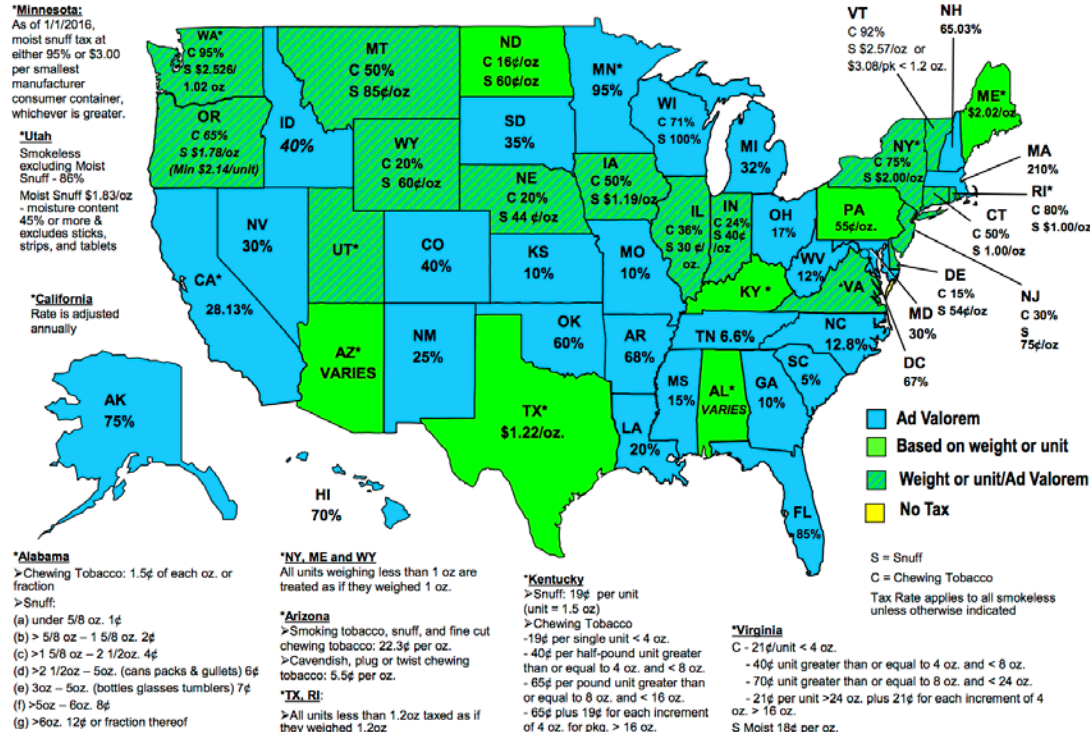


## II. ENHANCING THROUGH OTP STAMPING

# OTP TAX CHALLENGES

## State Excise Taxes on Smokeless Tobacco

Rates in effect as of Oct. 1, 2016

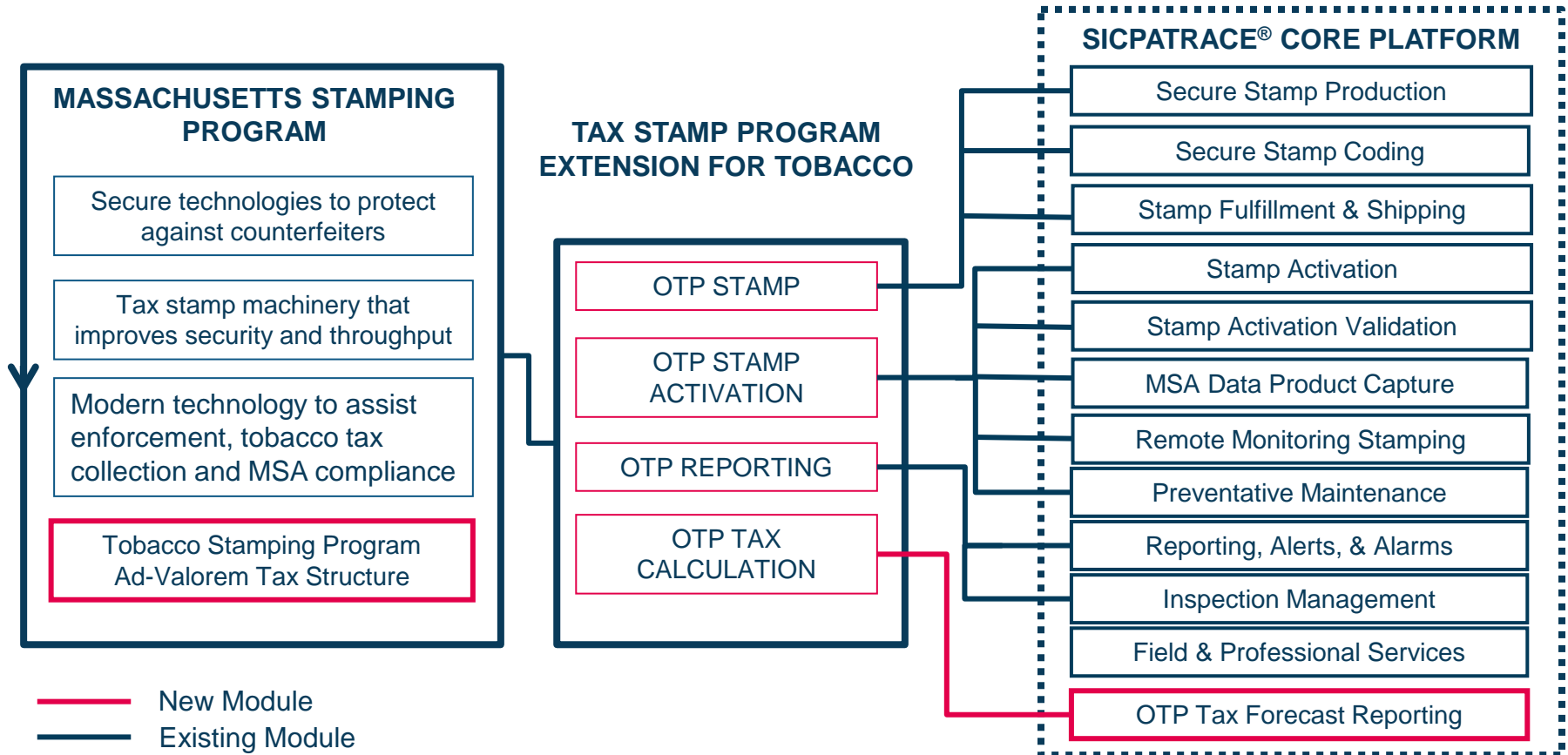


Even wider variation in OTP tax rates:

- MA has a flat 210% tax rate on top of wholesale price, NY has a 75% tax on chewing tobacco and a \$2/oz tax on snuff and PA has a flat \$0.55/oz OTP tax - All 3 are neighboring states

<http://www.natocentral.org/tobacco-tax-maps>

# SICPA TAX STAMP PROGRAM: OTP EXTENSION



# INTRODUCTION OTP STAMP

STAMP

BENEFITS

## OTP STAMP PROPOSAL



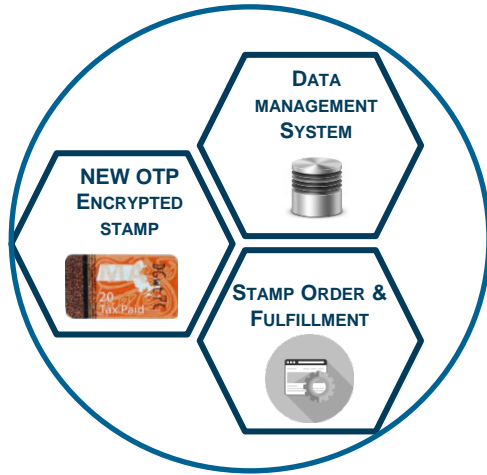
### Advantages

- Non-denominational for variable tax rate retrieval
- Covert code compatible with existing SICPADATA™
- Consistent security features for various stakeholders

### Security Features

- **Overt/Semi-Covert** – Color shifting ink, dual polarizing
- **Covert** – SICPADATA™
- **Tamper Evidence** – Surface
- **Unique Stamp ID** – Visible unique number

# OTP STAMPING PROGRAM: Data Management System



## New Encrypted OTP Stamp

- New Stamp Design
  - New Code Type
  - New Roll Type

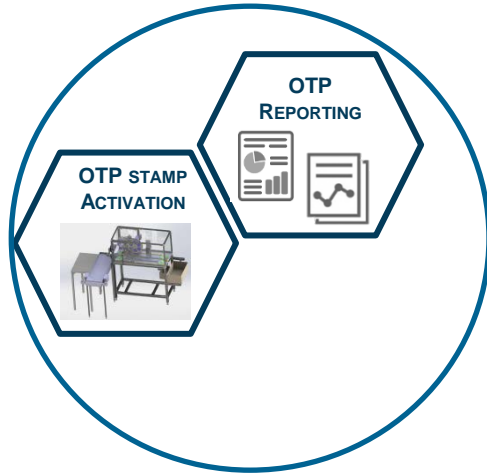
## Registering Tobacco Wholesalers

- New licensees access MA DOR web portal to order OTP stamps
  - Stamp order fulfillment training

## New Tobacco Product Directory and Tax Rates

- OTP Product Directory
  - Rules and tax rate calculations

# OTP STAMPING PROGRAM: Stamping and Reporting



## High Volume Stamping Machine (new device)

- Transports pucks of, varying dimensions, across at 80 pucks per min
- Product Registration
- Encrypted stamp application and activation to product
  - Capture and store product registration
  - Capture and store stamp data
  - Merge product registration and Stamp data to create unique data packets
- Deposit stamped pucks into a collection device/bin

## Low Volume Stamp Application (leverages current install base)

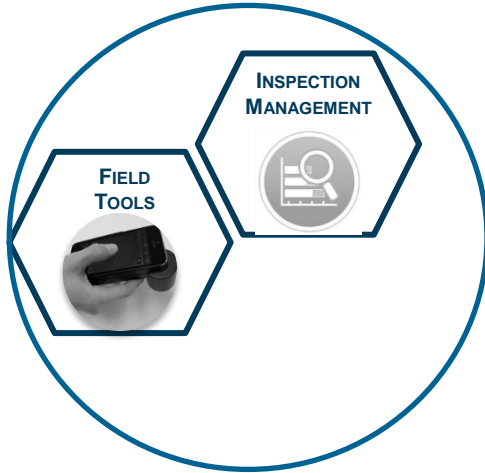
- OTP software client application
- OTP modified activation workflow



## Tax Rate Calculation and Forecasting

- Tobacco Product Directory and tax rates tables
- Algorithm to determine Variable tax rate

# OTP STAMPING PROGRAM: Field Auditing



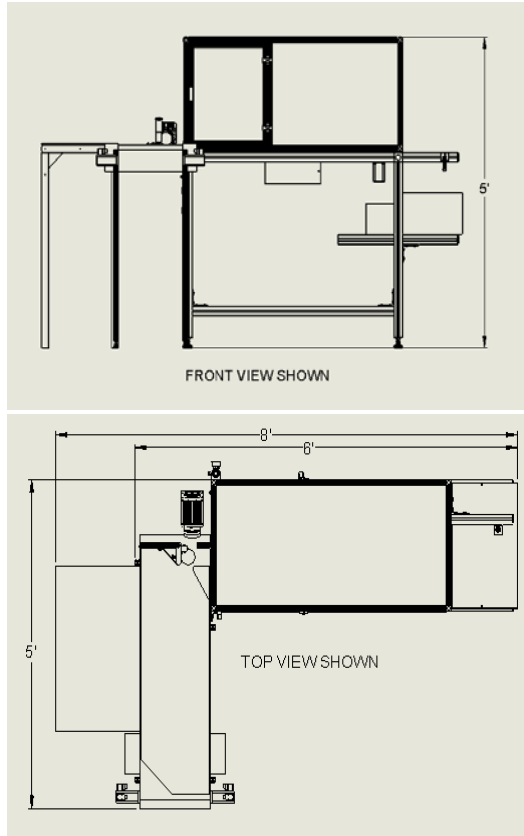
## Auditing through SICPA Air1®

- Single Inspection Platform for both cigarettes and OTP
  - Ability to identify illicit product
  - Validate genuine product
  - Validate retail licenses
  - Report price discrepancy
  - Online synchronization with data management system
- While some OTP information is already being captured by field enforcement, application changes to capture OTP stamp information required

## Inspector Management

- Capture all OTP field audit information through a single reporting Platform
  - Field audit reporting of OTP data to be configured

# OTP STAMPING PROGRAM: Machine Specifications

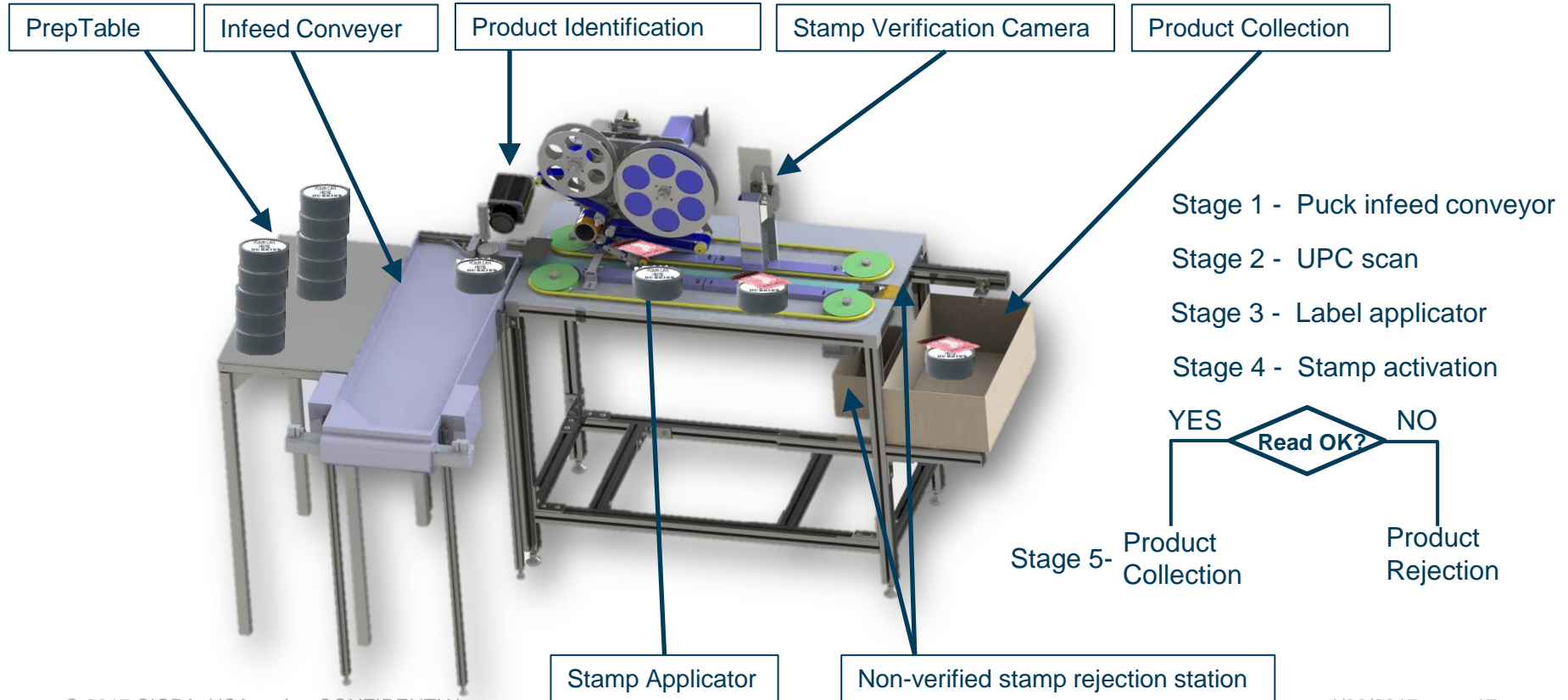


## Technical Specifications

Length (with dump table)	8 ft.
Length (without dump table)	6 ft.
Width	5 ft.
Height	5 ft.
Stamp Applicator Speed	80 pucks/min
Power	110 volts A/C 20 Amps (Requires 3 lines)
Compressed Air	100 psi
Required number of operators	1



# OTP STAMPING PROGRAM: High Volume Stamping





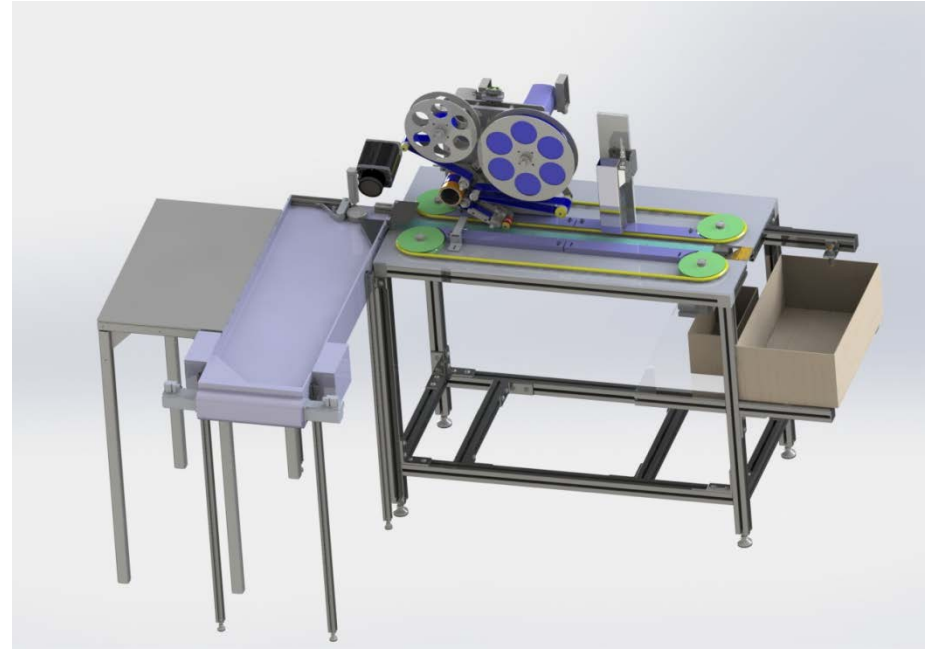
### III. OTP STAMPING IMPLEMENTATION PLAN

# OTP STAMPING IMPLEMENTATION PLAN: OTP TRANSPORT

HVSM Components	Number of Units
In-feed conveyor	1
Main transport	1
Stamp applicator	1
Injection bin	1
Total cost	\$45,000

Bagging System	Number of Units
Bagging unit	1
Total cost	\$32,000

SICPA Kits	Number of Units
SICPA Vision System	1
SICPA Ancillary Equipment	1



**SICPA/USI**

HVSM Machines  
Available to order  
1<sup>st</sup> machine - 12 weeks  
(Delivery October 2017)  
Subsequent Machines -  
1/week





## IV. BENEFITS & NEXT STEPS

# NEXT STEPS

- Complete Platform Development
  - Phase 2 – Prototype Development
  - Phase 3 – Software Module Development and SICPATRACE® integration
- Task Force Support
  - OTP Stamping technology evaluation
  - Environment investigative process
    - Number of potential stamper and install base

# OTP STAMPING PROGRAM: IMPACT and BENEFITS

- Leveraging similar stamp design concepts in order to facilitate consumer and retailer compliance
- One stop portal for DOR, AG, Stampers and other agencies:
  - One reporting platform for DOR/AG
  - One inspection device/platform for DOR
  - Same stamp ordering and delivery process for licensed Stampers
  - Same activation process and support for MA licensed stampers
- Potential Market Impact
  - \$16M was FY16 smokeless tobacco tax revenue
  - \$58M - \$78M range revenue estimate
    - Based on shipments & smokeless use in MA and consumption model
  - \$41-61M range revenue recovery potential
  - Positive revenue protection for legitimate, MA licensed stampers



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