Expanding Transit Open Payments Use Cases Through Fare Programs Webinar

June 2024
Enabling the Future of Secure Identity

ATM
Communication & Education
Debit Routing
EV Open Payments
Mobile & Touchless Payments
Payments Fraud
Petroleum
Testing & Certification
Transit Open Payments

Core Technologies
- AI
- Authentication
- Biometrics
- Blockchain
- Fraud / Cryptography

- Digital ID
- Communication & Education
- Identity Assurance
- Identity & Access Management
- Applied Technologies
- Trust Frameworks
MEMBER-LED ORGANIZATION
The U.S. Payments Forum enables cross-industry stakeholders to openly exchange expertise and information to solve problems and help realize innovations that make payments more efficient, simple, and secure.
TODAY’S SPEAKERS

Lawrence Sutton
Consult Hyperion

Gillian Gillett
Cal-ITP

Brian Piascik
Coast RTA
Waccamaw Regional Transportation Authority

David Kelts
Decipher.id
WHAT WE’LL BE DISCUSSING TODAY

• Learn about the importance of discounts and concession fares, through the eyes of Cal-ITP
• Hear about Coast RTA’s approach to fare capping and their journey
• Discover how mobile driver’s licenses work and how they may play a future role within the transit space
Cal-ITP

Financial inclusion through mobility payments in California

Gillian Gillett
Mobility can be a ride out of poverty

Low-income customers spend the bulk of their income on transportation, so mobility can change their lives, giving them community access, daily travel options to build credit.
Unbanked and Underbanked

• 81% of US adults are **fully banked** - they have a checking and/or a savings account with an FDIC insured financial institution, and do not use alternative financial services.

• 13% of U.S. adults are **underbanked** - they have a checking or savings account with FDIC insured institution, but regularly use alternative financial services.

• 6% of U.S. adults are **unbanked** - they do not have a checking or savings account with an insured (FDIC) institution.

Citations:

OpenPayment acceptance
Monterey-Salinas Transit fare collection system

• First open-loop contactless fare collection demo in CA
• Tap bank cards or digital wallets to pay
• Riders can sign up for the Cash App Card and receive Boosts (money back)
• Older adults use Cal-ITP Benefits to receive their discount upon payment
• GTFS data accessed through Google Maps and Apple Maps
ON TO THE NEXT STOP in MYRTLE BEACH

Brian Piascik
Transit Services

Paratransit
ADA Service

Entertainment Shuttles
Tourists

Fixed Route/Vanpool
Workers/Special Events
Fare Structure – Past and Present

**PAST**
- Antiquated fare collection system
  - Magnetic Strip Technology
  - Coin and Bill Validators
  - Replacement Cost - $15,000/vehicle
  - Cash Handling – In-House
  - Not Contactless – suspended fares during COVID
  - Multitude of Passes – timed and multi-ride
  - Discounts to Seniors/Veterans and Students
- Explored Closed Loop & Open Loop
- Utilized CAL-ITP for Procurement – OPEN LOOP

**FUTURE**
- Open Loop
  - Contactless
  - Uses ‘Off-the-shelf’ tech
  - Eliminates Cost of Closed Loop Cards
  - Move Toward Cashless Operation
  - Simplified Fare Structure – Daily Cap Only
- Challenges
  - Under/Un-banked
  - Removing Cash Transactions
  - Discounts for Seniors/Veterans & Students
New Fare Collection System

Contactless – Open Loop

Click to play video

REINTRODUCING FARES ON SEPTEMBER 26TH

TAP TO CAP!

It’s $1.00 each time you board the bus, but if you tap your smartphone’s mobile wallet or contactless debit/credit card each time you ride, we’ll automatically limit or cap the amount you pay for the day to $3.50.
What is Mobile Driver’s License (mDL)
David Kelts

Introduction: How you can trust an mDL
Mobile Drivers License (mDL) is not an image of a Driver’s License
Enter ISO/IEC 18013, a collaboration of over 50 Companies, Issuers, Associations and Platform OEMs

- 18013-5 Published October 2022
- Dozens of Worldwide Rollouts
Trust Mechanisms - ISO 18013-5 mDL & mID

mDL Service
- Provision & Sign
- Manage Identity Accuracy
- {Optional} Identity Provider

Wallet App
- mDL Holder / User
- Requests a Service with ID
  - in-person {or online}

Reader
- Reads and Validates mDL
- Lowers Risk and Fulfills Compliance Regulations

IACA Public Key Certs

Trust Lists (VICAL)

PKI

VICAL
Trust Mechanisms - ISO 18013-7 mDL & mID

mDL Service
- Provision & Sign
- Manage Identity Accuracy
- {Optional} Identity Provider

Wallet App
- mDL Holder / User
- Requests a Service with ID
  - in-person {or online}

Reader (Web)
- Reads and Validates mDL
- Lowers Risk and Fulfills Compliance Regulations

IACA Public Key Certs
Trust Lists (VICAL)

PKI
Use Case Categories for an 18013-5 mDL

- **Age Verification**
  - Anonymous
  - AgeOverN
  - DOB is protected

- **Attribute Collection**
  - Accurate form-fill
  - “Intent To Store” flag should = true
  - Required Data

- **Authorization (or Access Control)**
  - Physical Access (when ID req’d)
  - Logical Access
  - Eligibility
  - Account Lookup

- **Identity Verification**
  - Enrollments & Registration
  - Create an Account
  - In-Person KYC
  - Kiosk Onboarding

- **Identity Proofing**
  - “Superior” ID doc
  - Easier, accurate form fill of ID Data
  - Cryptographic proof of Issuer

- **Witnessed Signing**
  - Attributes used for Authentication
  - Compare ink sign

In all cases, Relying Parties should limit their collection and storage of data to that which is strictly required.
Transit-specific mDL Use Cases

**Discounts**

Age-based or Status Discounts on Transit

Automatically grant or remove discounts based on mDL Data fields without having to visually verify or scan in-person cards

- Students or Under 18
- Senior, Over 62
- Veterans Indicator Flag

**Recertification**

Is it the same recipient of a continued discount or service

Yearly recertification without travel to a central office is more convenient for the people you least want to inconvenience

- Prevent takeover of service by others
- Certify continuation of eligibility
- Save a trip to the central office

**Residency**

Prove that you live within a service area

Up-to-date residency information on a continual basis since mDLs are typically synchronized to the System of Record

- Discounted Service Area
- Zone calculations
Moderated Conversation

Lawrence Sutton
Consult Hyperion

Gillian Gillett
Cal-ITP

Brian Piascik
Coast RTA
Waccamaw Regional Transportation Authority

David Kelts
Decipher.id

Have questions? Use the ‘Q&A’ box to ask a question to the panelist
## 2024 EVENTS SCHEDULE

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<tr>
<th>Event</th>
<th>Date</th>
<th>Location</th>
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<tbody>
<tr>
<td>U.S. Payments Forum Summer Member Meeting</td>
<td>July 23-24, 2024</td>
<td>Virtual</td>
<td>Registration Now Open!</td>
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<tr>
<td>Identity &amp; Access Forum Summer Members Meeting</td>
<td>August 14, 2024</td>
<td>Virtual</td>
<td>Registration Now Open!</td>
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<tr>
<td>U.S. Payments Forum Fall Members Meeting</td>
<td>November 12-13, 2024</td>
<td>Newport, RI</td>
<td>Registration Now Open!</td>
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<tr>
<td>Identity &amp; Access Forum Fall Members Meeting</td>
<td>October 29-30, 2024</td>
<td>Reston, VA</td>
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Thank You!