May 17, 2011

Florida's Turnpike Enterprise
Interoperability and All Electronic Toll Collection Workshop
How Common and Commercial Solutions achieve Interoperability
Rick Nelson, Director of Toll Operations
Florida's Turnpike Enterprise

Agenda

- Paradigm Shift – Transformation to AET

- Florida's Turnpike Enterprise Common Specification Standards
  - Airport Parking
  - Money Services

- Future of open standards in Toll Industry

Toll Industry Paradigm Shift

1957 — Introduction of toll booths and acceptance of cash

1999 — Addition of both Electronic Toll Collection and cash.

1999 — Dedicated ETC lanes for SunPass

2003 — Dedicated Open Road Tolling Lanes
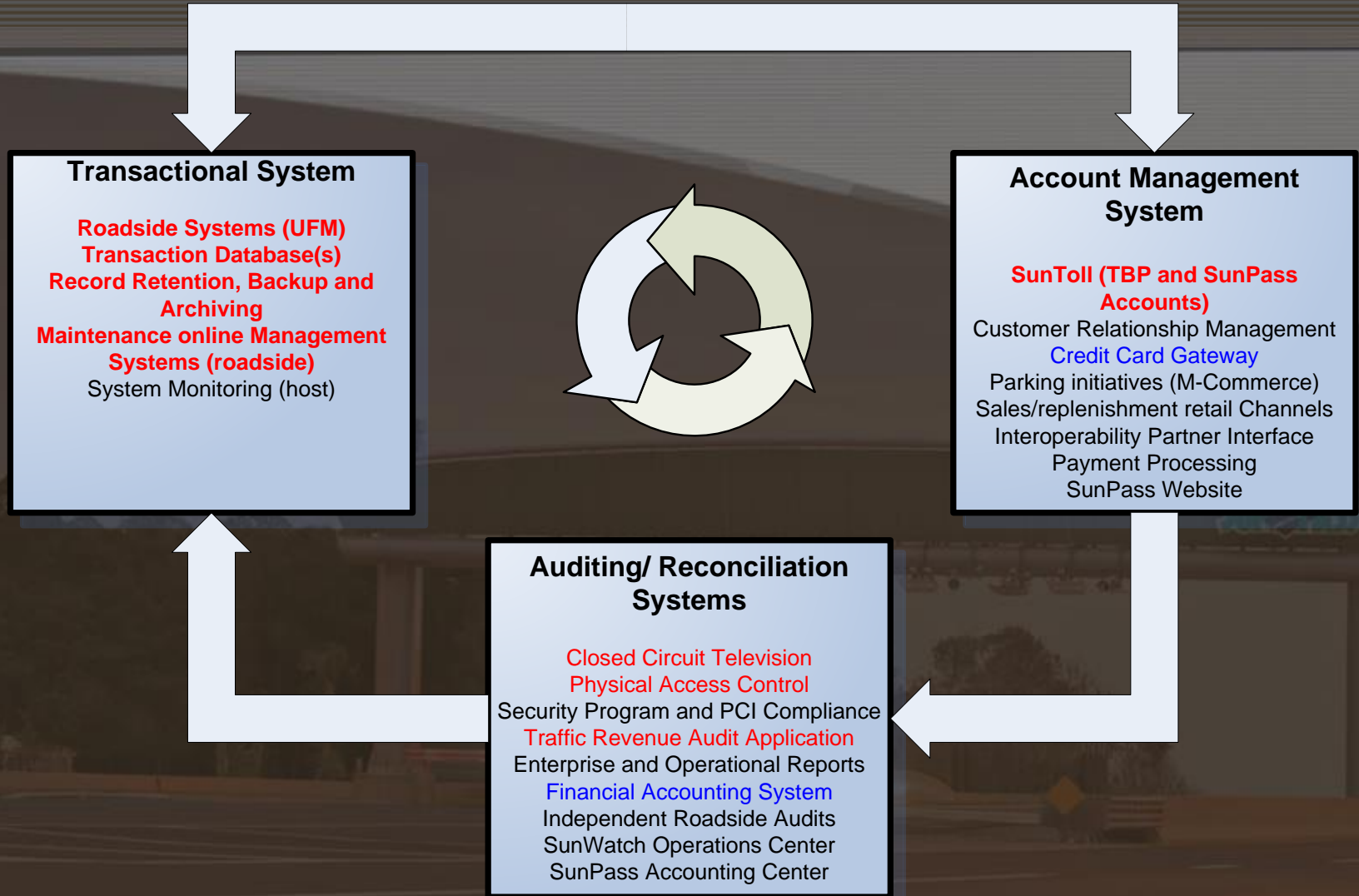
2007 — Single dedicated express lanes(I-95) to provide mobility for customers

2011 — **Tear down those toll booths –** implement All Electronic Tolling on Homestead Extension of the Florida's Turnpike – 85% SunPass participation on HEFT!

ORT/AET = Transaction Based System

Transactional System

Roadside Systems (UFM)
Transaction Database(s)
Record Retention, Backup and Archiving
Maintenance online Management Systems (roadside)
System Monitoring (host)

Account Management System

SunToll (TBP and SunPass Accounts)
Customer Relationship Management
Credit Card Gateway
Parking initiatives (M-Commerce)
Sales/replenishment retail Channels
Interoperability Partner Interface
Payment Processing
SunPass Website

Auditing/ Reconciliation Systems

Closed Circuit Television
Physical Access Control
Security Program and PCI Compliance
Traffic Revenue Audit Application
Enterprise and Operational Reports
Financial Accounting System
Independent Roadside Audits
SunWatch Operations Center
SunPass Accounting Center

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Common and Open Specifications

- Intended to define information required for exchange by systems to create a transaction

- Leverage existing commercial or existing products.

- Standardize testing and configuration

Open Standards provide flexibility and options

Airport Parking

- Added Value for SunPass Customers
- Statutory Authority 2007
- Coming to Airports Around FL Soon

ORLANDO

TAMPA

FT MYERS

WEST PALM

FT LAUDERDALE

MIAMI

Airport Parking Business Case

- Single Interface with one business process provided to all partners.

- No fee's to Airport for first two years until operation is established.

- Flat credit card fee that is trued up at the end of each month.

- Flat transaction fee of 13 cents(adjusted up for CPI if needed)

Money Services Business

- Why ?
- Development of Interface
- RFP
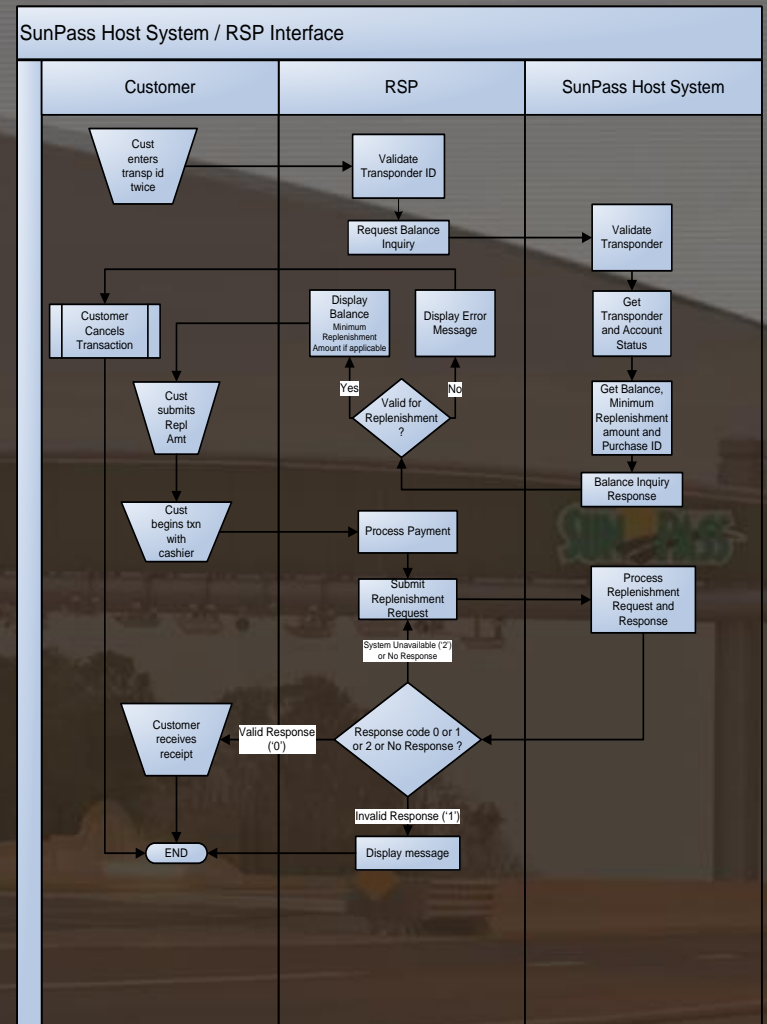- Deployment schedule
- POS locations

Example – Interface Control Document

- Transaction Interfaces
- Reports
- File details
- Testing and auditing

Future of Toll Industry

- Multiple Payment Providers

- Consolidated Transportation Payment systems

- Nationwide Interoperability
  - SunPass/E-ZPass Agreement
  - Regional and National Toll Tag Technology

In Closing

"The Internet is fundamentally based on the existence of open, non-proprietary standards" - Vint Cerf