



WMATA: Reengineering AFCS for the Future

APTA Fare Collection 102

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WMATA Profile

Service Scope

- 2nd largest Rail system
- 6th largest Bus network
- 357 million trips in FY2009
- Local Bus, Rail, Express Bus, Paratransit, and Parking

AFC Equipment

- 1500+ Fareboxes
- 914 In-Station Fare Machines
- 1067 Transit Fare Gates
- 313 Parking Gates
- 223 Retail Point-Of-Sale devices





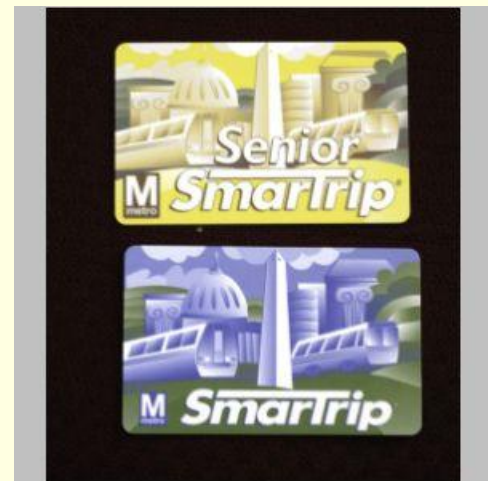
WMATA Profile

■ AFC Fare Media

- Smart Cards (avg. 70% of all riders)
- Magnetic Tickets
- Flash Passes
- Reduced Fare Products

■ AFC Programs

- SmartBenefits®
 - 285,000 participants
 - \$260 million annual sales





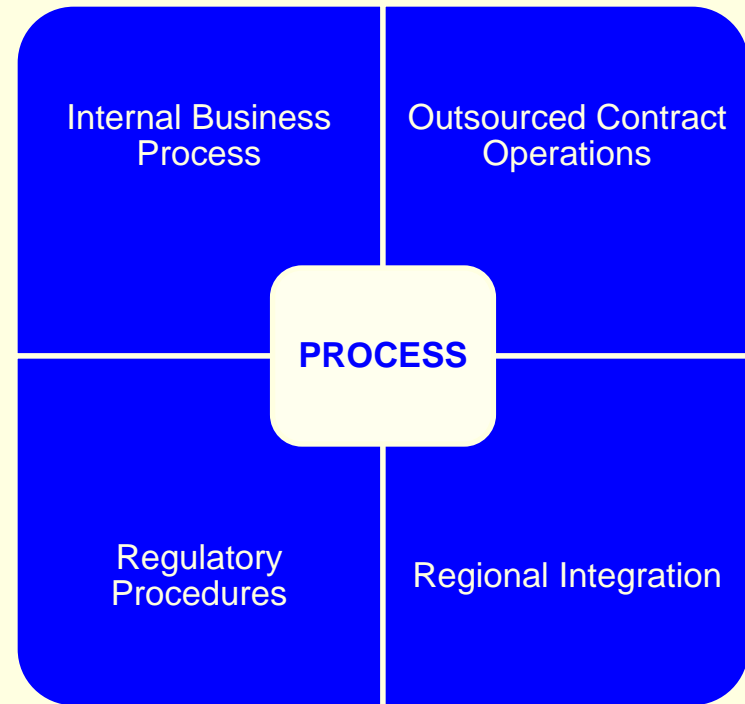
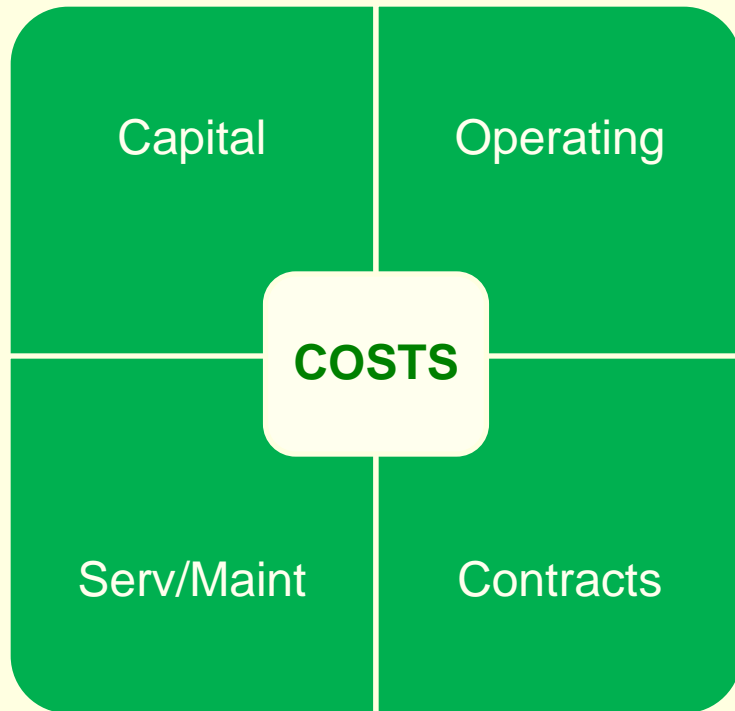
What's Working Well

- **Regional Partnerships (across tariffs, across modes, across jurisdictions)**
 - Collaborative meetings & committees for Technology, Marketing, Operations and Finance
- **IT Infrastructure**
 - HW/SW the same end-to-end for WMATA and Regional Partners
 - AFC systems hosted & supported centrally by WMATA
- **Transit-savvy Customer Base**
 - Sensitivity to service level and service pricing tradeoffs
 - Significant interdependency with Fed Gov't



Assessment of Existing Fare System Opportunities for Enhancements

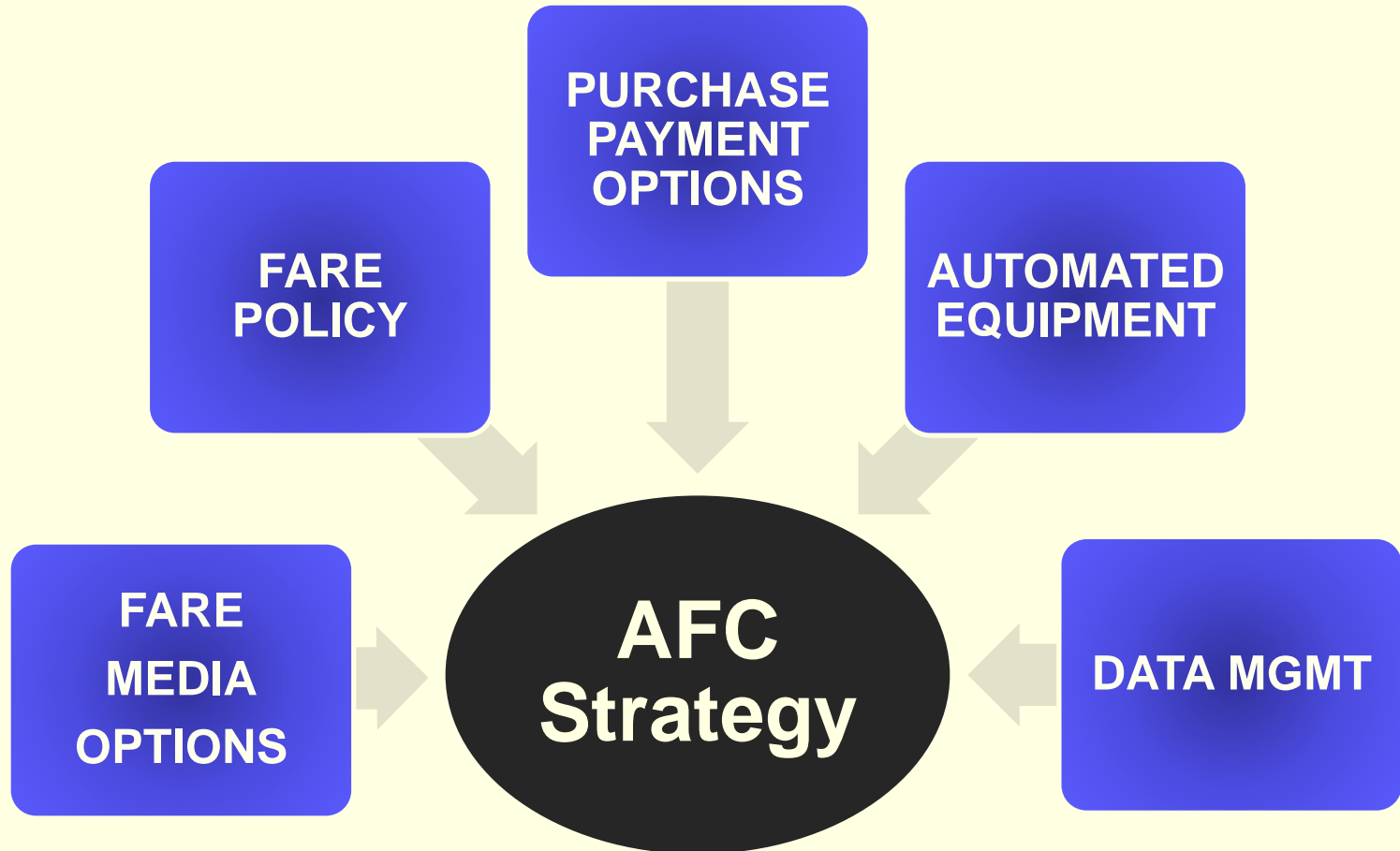
Current Baseline & Performance Criteria





AFC Strategic Vision

Factors to Consider in the Concept of Operations





Choosing the Optimal Path Forward

Evaluating Procurement & Implementation Options

Transit
Branded
SmartCards

Limited Use
SmartCards

Contactless
Bank Cards

Pay-As-You-
Go PrePaid
Cards

NFC-capable
Mobile Phones

Multi-Tariff
Applications

Un-gated Stations
Rear Door
Boarding

Proof Of Payment
Off-Board
Payment

Tap On-Tap Off
Fare Calculation

Transaction
Fee
Aggregation

Fiber Lines /
Wireless
Networks

Transit –
Parking
Interoperability



2010 APTA Fare Collection Workshop

WMATA and the regional transit partners are opening doors in the greater Washington Metro area.

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The Best Ride in The Nation!

