



MBTA Program for Mass Transportation

PMT Stakeholder Advisory Committee

October 25, 2007

2008 PROGRAM FOR MASS TRANSPORTATION

PMT SAC, October 25, 2007

SLIDE 1/12

*Massachusetts Bay
Transportation Authority*





PMT Stakeholder Advisory Committee

- Agenda, October 25, 2007
 - Introduction
 - Automated Fare Collection (AFC)
 - Mobility Challenges
 - Evaluation Targets





AFC – Phase One

- December 2006 – on-time installation of a new fare collection system for:
 - Subway and Green Line
 - Bus and Trackless trolley
 - Silver Line





AFC – Phase One (cont.)

- Flexible fare policy based on fare compliance and fare equity with a primary focus on customer service
 - New Fare Structure Jan 2007
 - Bus/Subway transfers
 - LinkPass
 - Surcharge





AFC – Equipment

- Fare Vending Machines (FVM)
 - 520 Full Service and Cashless FVMs
- New Fare Gates
 - Accessible fare gates at every station
- 1640 Fareboxes





AFC – Equipment (cont.)

- Other new equipment:
 - Ticket Office Machines, Validators and Retail Sales Terminals
 - Photo ID Systems
 - Central Computer System
 - Encoding Equipment
 - Revenue Transfer System⁽¹⁾

(1) Includes garage equipment (such as vaults, money containers, wireless data collection, etc.)





AFC Smart Cards – Distribution and Preliminary Experiences

- Over 2.3 million CharlieCards distributed
- *Over 1.6 million unique cards in use
- August 2007 “30-day” stats
 - *86% of patrons avoided surcharge
 - Approx \$6 average stored value purchase
 - Over 300k time-based passes, including corporate employees
 - Credit/debit – 55% of revenue





AFC Phase Two Proposal – Commuter Rail

- Retail Sales Terminals located in close proximity
- Cashless fare vending machines on all platforms
- Pole-mounted fare media validators
- Hand-held validators on all trains
- Onboard inspection of fare media to create credible threat of enforcement
- Tap-on/tap-off for accurate deduction of fares





AFC Phase Two, Where We're Going – Parking

- Decentralization of parking into six distinct areas
- Integration of parking lots with Charlie to create a seamless electronic transportation payment system
- Initial installation – Greenbush





AFC Contactless Payments – Moving Forward

- Initial focus on core businesses: ferry boat, parking, commuter rail, etc.
- “Electronic Payments”
 - Related transit...RTAs
 - Beyond transit...interoperability
 - Other contactless form factors
 - Versatile card readers
- Standards
- Privacy policy
- Data security





Mobility Challenges

- Scale of items now more comparable
- Grouping now reflects evaluation criteria categories
- Some systemwide challenges moved to individual corridors
- Additional corridor-specific details
- List not yet complete (particularly for system preservation)





Evaluation Targets

- Hierarchy of 25-year evaluation targets
 - Vision targets
 - Targets for goals and objectives
- Relationship of targets to objectives and evaluation criteria
- Some target levels not yet determined
- Targets used to evaluate PMT mobility solutions/strategies
- Additional benchmarks for periodic evaluation of progress

