

Contactless Banking Payment Pilot at MTA New York City Transit

Expanding Transit's Role As a "Merchant"



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Why Consider Banking Payments?

60% of sales revenue at vending machines are paid with debit/credit

40% of MetroCard transactions are debit/credit

- Our mutual customers favor electronic payments
 - MTA NYCT is well-positioned to consider alternatives to traditional transit smart card systems
 - Traditional, custom-built, transit-owned fare payment systems pose challenges, especially in terms of keeping pace with evolving technologies and business requirements
 - Banking payments has emerged as a viable business and economic option for transit
- * “MetroCard 2005 Customer Awareness, Attitude and Usage Tracking Study: New York Residents,” April 2005 and “Survey of Consumer Finance,” 2006 update, published by the Philadelphia Federal Reserve Bank.

Becoming a Merchant at Point of Entry (POE)

“Think FAST LANE (EZPass) for Transit”

A change in the business model and approach to customer service:

...from “ticketing” to “credentialing”

...from “ownership” to “acceptance”

...from “fare payment” to simply “payment”

Becoming a Merchant at Point of Entry (POE) *Challenges*

Provide appropriate customer support

- Do customers like the approach?
- Account – based: “usage” and sales
- Consistent with broader consumer experience

Fold transit requirements into banks’ payment model

- Flexibility to handle all fare policy options
- Speed at point of entry (<300ms)
- Privacy of customers
- Equipment/system availability to assure access to transportation
- Data requirements
- Integrity/security of the equipment
- “Open” solution with broad market for equipment and services

Leverage new payment models

- Aggregation
- Rules changes (Reg E, CAT 3)

Business Model for Transit POE Merchant: Customer Perspective

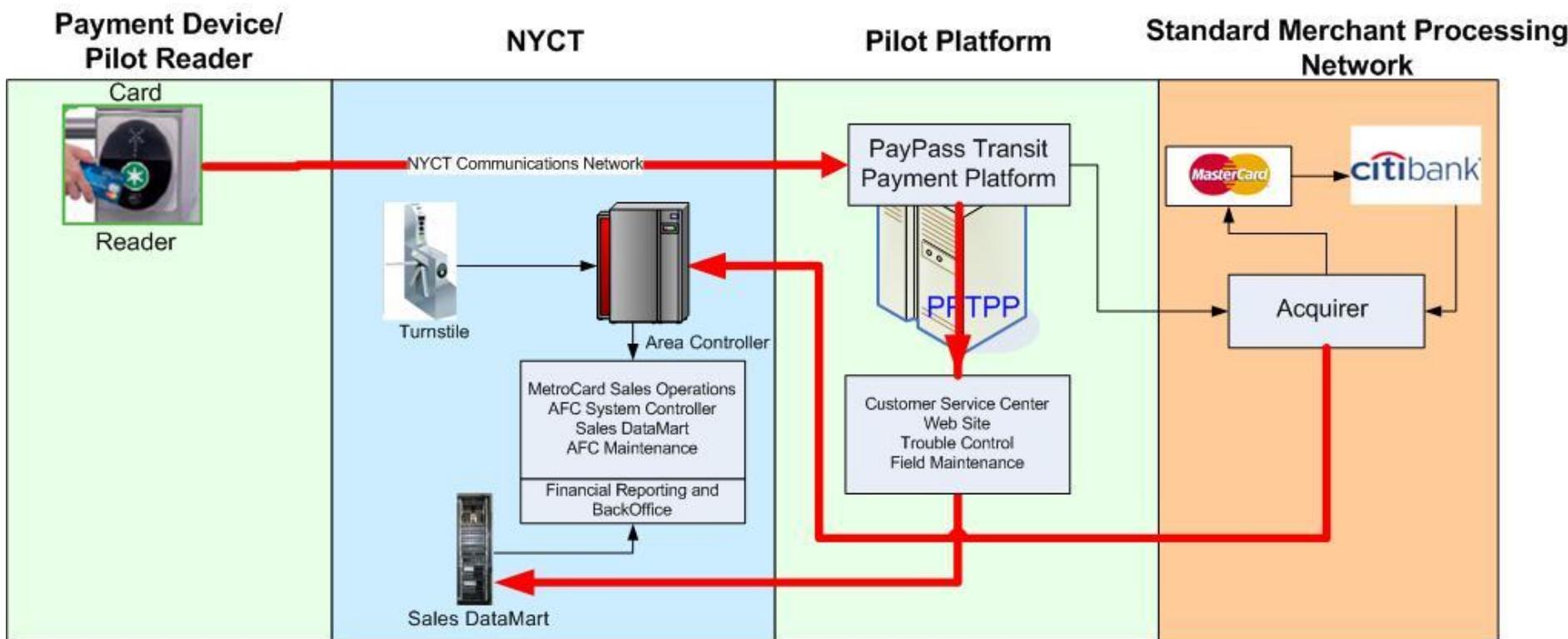
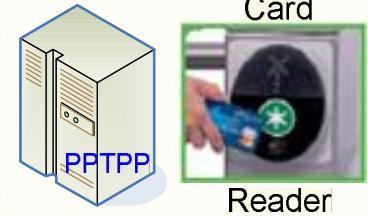
Simplified Payment Interaction ("Think FAST LANE")

- Use a contactless banking device of your choice
- Simplified message acknowledging payment and no receipts
- Account-based approach, with “usage” and payment details available
- Optional automated replenishment
- All fare options available through pre-selection at website or through customer service OR “Pay-As-You-Go” as default

Business Model for Transit POE Merchant: Transit Perspective

| |  <i>Today's Practice</i> |  <i>Pilot Test of NYC Transit PATH/NJT</i> |
|---|---|--|
| Set Prices and Pricing Policy | Transit | Transit Agency |
| Manage Data Needed for Transit Planning/Financial Reporting | Transit | Transit Agency |
| Replace Lost Payment Devices | Transit | Issuer |
| Manage Customer Accounts | Transit | Issuer/Service Provider |
| Address Customer Claims | Transit | Issuer (payment, billing) Transit/Service Provider (usage issues at point of entry only) |
| Process Transactions | Transit | Payment Processor |
| Risk Management/Security/ Enforcement | Transit | Everybody |

System Architecture for a Simplified “Retail” Approach at POE



Key: Pilot Platform

- Manages customer relationships, enabling customers to select any fare option that they want and resolve issues.
- Calculates payment due from customer and effects processing

Results: Customer Perspective

- Users were favorable about the experience, with most rating it positively and very few reacting negatively
- PayPass users are likely to continue using their PayPass-enabled Citi MasterCard credit and debit cards to pay for MTA Subway rides in the future
- The PayPass Subway Trial had a positive impact on MTA ridership
- Users had a better opinion of the MTA and its partners in the trial

Results: Operations

Customer Claims

- Payment claims rate identical to merchant experience at vending machines
- Indications are that fraud risk is lower
- Usage (acceptance) issues at point of entry **significantly** lower

Equipment

- Sales transaction availability very high
- Very easy to install
- Verified read of 300ms or less; accuracy of read
- Highly reliable/stable—**significantly** less maintenance complexity and frequency
- No vandalism

Processing

- All usage and sales transactions fully reconciled – no accounting issues
- Loss exposure is potentially much less for MTA as a “merchant”

Results: Customer Support

Customer Service Center / Web Site

- Users very satisfied with approach and level of service
- Customers view problem resolution as a generic “payment” issue to be resolved through their banking relationship
- Profile mirrors EZPass experience
 - Of 3,500 inquiries, most were information requests
 - Second highest category were transfers to Citi
 - Fewer than 200 “claims” inquiries: all handled as part of “financial” back office
 - Only one (1) call transferred to NYCT
- Web site 100% available: very active, with over 238K page views and more than 50K unique visitors

Next Steps

- Phase II: Pilot on Buses
- Expand on fare policy options
- Partner in Port Authority, NJ Transit, PATH regional pilot