

dc one card

DC One Card

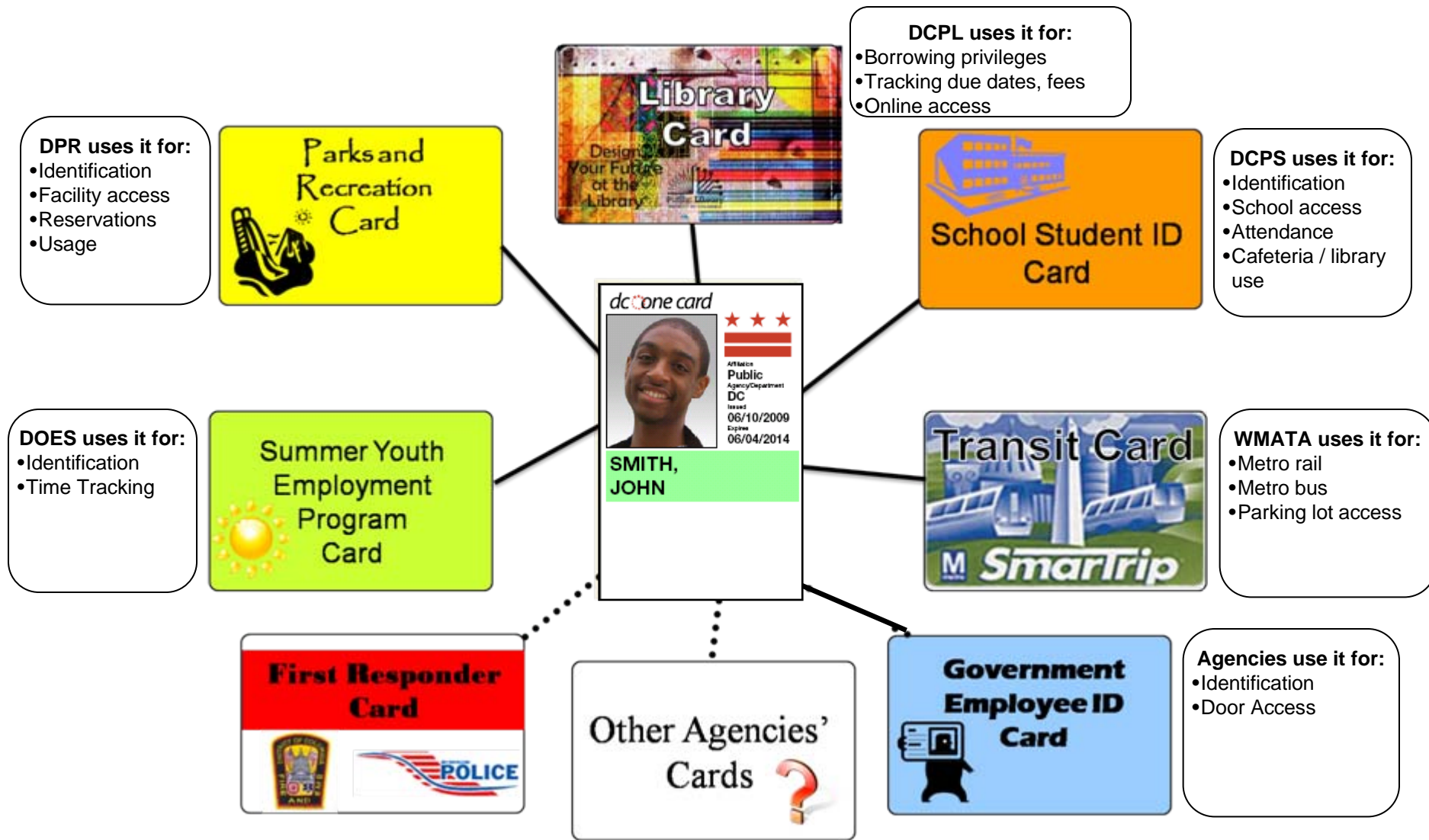
**Taxicab Smart Meter Solution
Government Smart Card IAB Meeting
June 28, 2010**

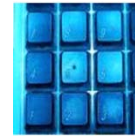
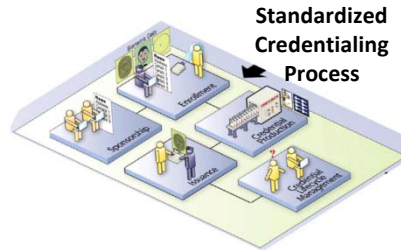


DC OFFICE OF THE CHIEF TECHNOLOGY OFFICER

- Background
 - DC One Card Program Objectives
 - Card Uses
- Roadmap
 - Program Goals
 - Phased Implementation
- Taxicab Smart Meter Solution
 - Objectives
 - Proposed Solution Overview
 - Implementation Approach

- Provide cardholder convenience and security for:
 - Customers of District services
 - District employees and contractors
- Save money by consolidating disparate credentialing programs and reducing fraud
- Provide logical access to online services / resources and physical access to programs and facilities via one card
- Offer a First Responder Access Credential (FRAC) to all District responders, interoperable with federal system
- Implement standard credentialing technologies to expand access to services while improving security and privacy.





Goal 1: Interoperability

- ❑ Facilitate access to agency services
- ❑ Provision centrally, reduce credentialing efforts
- ❑ Integrate with District agency registration systems
- ❑ Align interoperability goals with Federal and State agencies
- ❑ Interoperate with FEMA attribute standards

Goal 2: Trust

- ❑ Establish trusted identity
- ❑ Align with Federal & industry credentialing policies and standards
- ❑ Align District business processes with ICAM processes
- ❑ Establish trusted relationship with Federal, State, Local and Open Solution credential providers
- ❑ Ensure only qualified customers access services

Goal 3: Security

- ❑ Enable multi-factor authentication
- ❑ Expand secure access to data and systems
- ❑ Support broad cybersecurity programs
- ❑ Integrate electronic verification with physical security
- ❑ Enable risk-based access control frameworks
- ❑ Improve electronic audits

Goal 4: Process Improvement

- ❑ Improve citizen facing services
- ❑ Facilitate secure online transactions
- ❑ Offer non-repudiation through digital signatures
- ❑ Reduce manual processing and data entry
- ❑ Provide tools for broad process improvement

DC One Card Roadmap Phased Implementation

	Phase / Tactics	Alignment with Goals
I	<ul style="list-style-type: none"> • Issue card that is interoperable with DCPS, SYEP, WMATA, DPR and DCPL • Interoperable DMV license • Public card issuance at CSC • Establish PIV I lab 	<ul style="list-style-type: none"> • Interoperability: Facilitates access to agency services, centralizes provisioning, integrates registration with agency systems • Trust: Establishes baseline validation level • Process Improvement: Lab provides platform for evaluating process improvements options
II	<ul style="list-style-type: none"> • Begin defining operational changes to support high-assurance credentialing • Develop DC ICAM Roadmap • Establish and implement PIV I standards and policies • Issue PIV I credential to taxicab drivers and OCTO employees 	<ul style="list-style-type: none"> • Trust: Begins establishing trusted ID, aligns DC's ICAM with Federal ICAM • Security: Enables multi-factor authentication and secure access to systems and data • Process Improvement: Enables taxi and OCTO business automation
III+	<ul style="list-style-type: none"> • Codify data sharing attributes and business rules • Establish identity verification levels and attributes • Issue FRAC DC1Cs • Issue PIV I credential to general public • Healthcare / Fraud Reduction pilot 	<ul style="list-style-type: none"> • Interoperability: Further defines standards, expands agency use • Trust: Establishes additional trusted relationships • Security: Demonstrates electronic verification • Process Improvement: Supports secure online transactions, encryption and electronic signature processes



- Improve the competitive position of DC taxicabs who comply with DC taxicab regulations
- Reduce fraud by providing operators with a tamper proof taxi license and hardened Relying Party infrastructure
- Improve the experience, assurance and safety of DC taxicab and limousine passengers
- Improve services to customers by accepting credit / debit cards and providing interactive information services
- Increase tax revenues through automated revenue reporting
- Provide technology at no cost to operators / DCTC
- Expand ride and tip revenues, introduce new revenue streams

Taxicab Smart Meter Solution Proposed Solution Overview



- PIV I-enabled Smart Meter for authentication
- Driver Interface Module (DIM) for messaging, trip reporting and directions
- Credit card interface for payment of fares
- Passenger Information Monitor (PIM) to display location, multimedia content, fare and operator information, etc.

- Issued a RFI to evaluate technology and business models
- Working with DCTC to ensure that policies and regulations align with technology direction
- Pending regulatory approval, considering issuance of RFP to implement solution in District Taxicabs