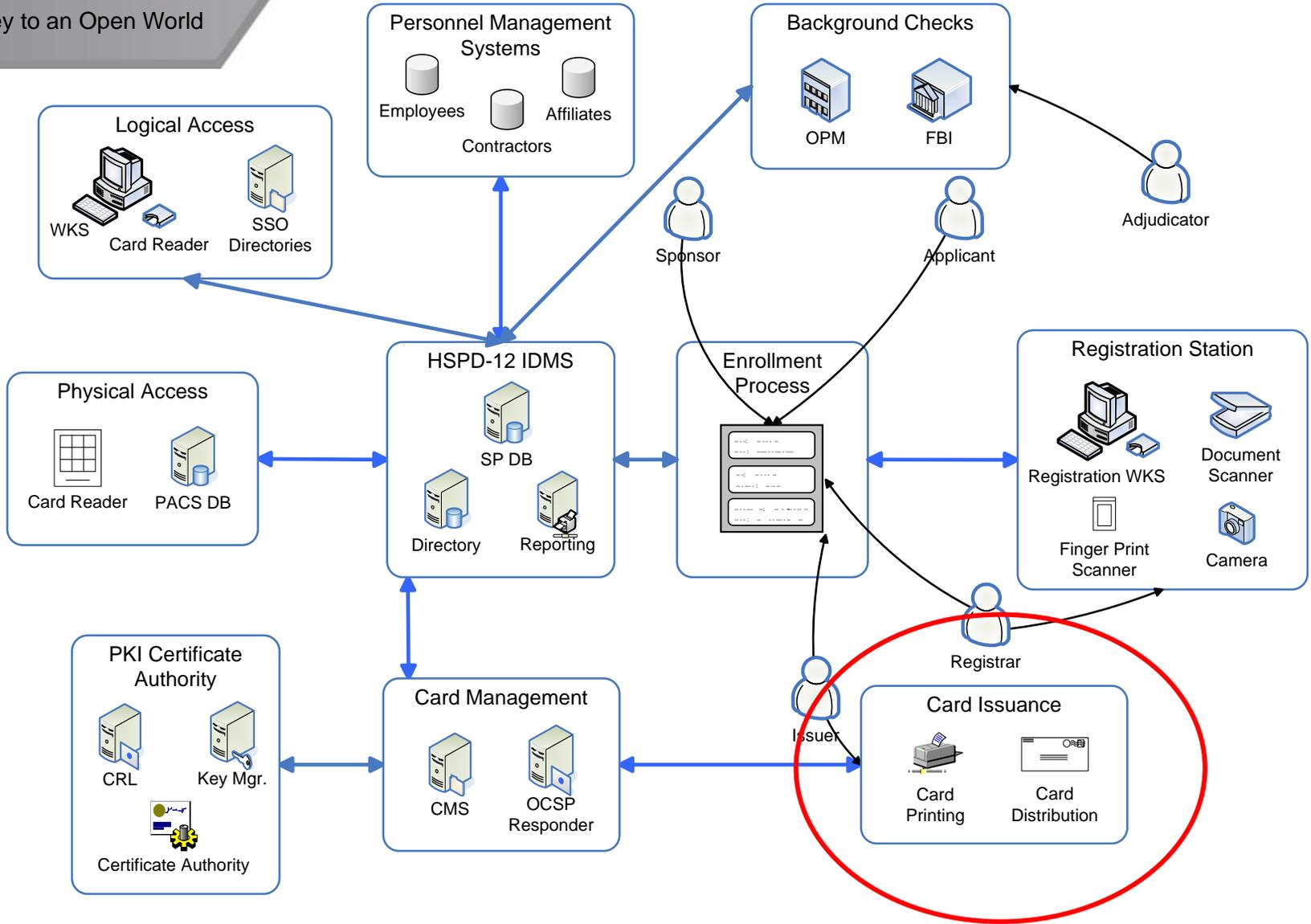


HSPD-12 SMART CARD IMPLEMENTATION

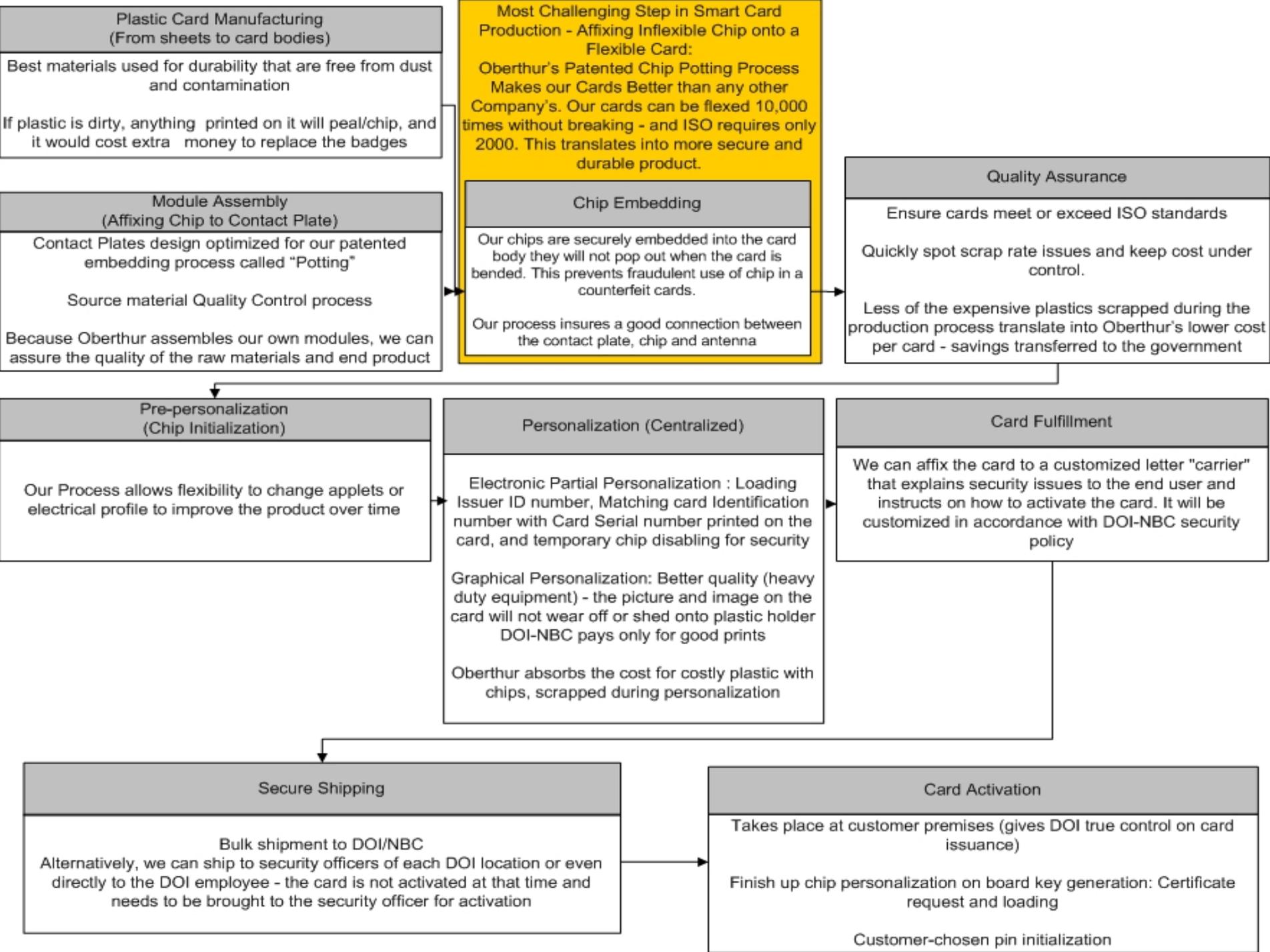


Supporting the Infrastructure

Patrick W. Hearn – Business Development Director, Oberthur



Centralized vs Decentralized Card Issuance Model



Explicit Costs – Distributed Model

- Cards
- Personnel Costs
- Floor Space
- Data Capture Stations
- Printer
- Printing
- Server
- Server Hosting per year
- Maintenance
- Issuance Setup

Financial Plan Centralized vs. Distributed Model for 220 000 Recipients

	Unit Cost Central Issuance	Unit Cost Distributed Issuance
Cards	\$ 11.00	\$ 12.10 [▼]
Data Capture Stations	\$ 10,500.00	\$ 10,500.00
Printer		\$ 15,000.00
Printing	\$ 1.00	\$ 2.00
Server	\$ 15,000.00	\$ 15,000.00
Server Hosting per Annum	\$ 12,000.00	\$ 12,000.00
Central Issuance Set Up	\$ 40,000.00	
Totals		

Variables: 17 Issuance Stations 220000 people 40000 turn-over/yr	Central Issuance Model	Year 1	Year 2	Year 3	Year 4
Cards	\$	2,420,000.00	\$ 440,000.00	\$ 440,000.00	\$ 440,000.00
Data Capture Stations	\$	168,000.00			
Printer					
Printing	\$	220,000.00	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00
Server	\$	15,000.00			
Server Hosting per yr	\$	12,000.00	\$ 12,000.00	\$ 12,000.00	\$ 12,000.00
Maintenance	\$	30,000.00	\$ 30,000.00	\$ 30,000.00	\$ 30,000.00
Central Issuance Set Up	\$	40,000.00			
Totals	\$	2,905,000.00	\$ 522,000.00	\$ 522,000.00	\$ 522,000.00
Program Total					
	Distributed Issuance Model				
Cards	\$	2,662,000.00	\$ 484,000.00	\$ 484,000.00	\$ 484,000.00
Personnel Costs, Training 2-3 Staff [▼]	\$	120,000.00	\$ 120,000.00	\$ 120,000.00	\$ 120,000.00
Floor Space [▼]	\$	16,320.00	\$ 16,320.00	\$ 16,320.00	\$ 16,320.00
Data Capture Stations	\$	168,000.00			
Printer	\$	255,000.00			
Printing	\$	448,800.00	\$ 81,600.00	\$ 81,600.00	\$ 81,600.00
Server	\$	15,000.00			
Server Hosting per year	\$	12,000.00	\$ 12,000.00	\$ 12,000.00	\$ 12,000.00
Maintenance [▼]	\$	739,424.00	\$ 142,784.00	\$ 142,784.00	\$ 142,784.00
Central Issuance Setup					
Totals	\$	4,436,544.00	\$ 856,704.00	\$ 856,704.00	\$ 856,704.00
Program Total					

Cost Savings over 5 Year Period

37%

Dual Interface Cards

- 72K EEPROM
- **PIV II applets now FIPS 201 qualified by NIST**
- Javacard 2.2,
 - ◆ Include support for Dual interface cards
 - ◆ More compact code (= smaller applets)
- Global Platform 2.1.1
- Dual interface (ISO 7816 & ISO 14443)
- FIPS 140-2 LEVEL 3 Certifications in both contact and contactless
- Security already assessed by the NSA
- Contactless Deactivation capability
- Support extra high communication speed in contact
 - ◆ 64 times faster than current CAC
- Enhanced cryptographic features
 - ◆ 3DES tripe keys, AES, RSA, Elliptic Curves...
- Biometric Match On Card
 - ◆ Support major MOC algorithms (Precise, Cogent, ID3 etc...)



GSA

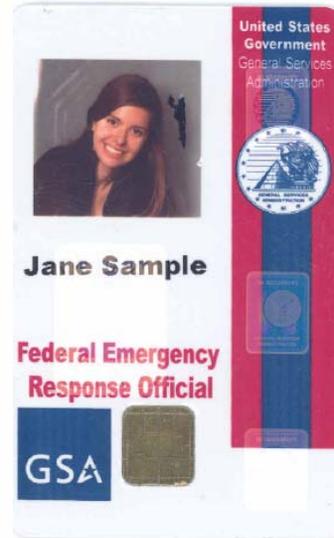
■ Situation

- ◆ Over 20K Associates and Contractors at GSA facilities while maintaining appropriate cost model associated with low amount of recipients
- ◆ Multiple locations (up to 8,000) with complicated logistics
- ◆ Need to handle multiple issuance type in a fluid manner
- ◆ Need to assist Tenant Agencies
- ◆ Need to ensure continuous alignment with FIPS-201

■ Solution

- ◆ OCS Shared Services
- ◆ Converting over to Production of 64K Dual Interface Cards –FIPS-140 Level 3 Certification
- ◆ Complete Personalization and Direct Shipment to Location Sites
- ◆ Continuous reporting structure to ensure knowledge of card production status and shipping

000052 / 185901
340894 / 000001 OF 000001
User ID: 214-15-8660
GSA Central Office
1800 F Street NW, Room B232
Washington, DC 20405



899052

Congratulations on Receiving Your New GSA Nationwide Smart Card ID

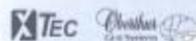
The new GSA credential is a highly secure, 21st century solution that will never become obsolete and provides a superb level of protection for GSA. With this new credential GSA is ensuring that all of its associates (at every level), contractors, temps and visitors, are properly identified and authenticated when entering GSA facilities or accessing GSA networks.

Receiving your Smart Card is just the first step. Remember you can continue to access the Card Management site for password support, PINs, changing data, and other administrative functions. Please review the back of this page for TIPS on using your card and additional helpful information.

GSA Intranet website: <http://gsaid.gsa.gov>

214-15-8660

Password: Use the AuthentX™ password you used for updating your data



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Pointers/Lesson's Learned

- Multiple issuance types and typologies
- Stock projections
- Preparing for new technology developments with existing requirements
- Reporting structures
- Responsibility of the process
- Set up is complex 3-6 months

Supporting the PKI Infrastructure

- Significant capacity to load multiple digital certificates
- Integration with middleware to access different certificates
- Cards have onboard key generation
- Key Ceremony with Agency for transport key
- Cards are locked with transport key when shipped to Agency protecting Personal Identifiable Information
- Cards unlocked by the security officer
- Certificates loaded to the card
- Card then issued to holder

CONTACT INFORMATION

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