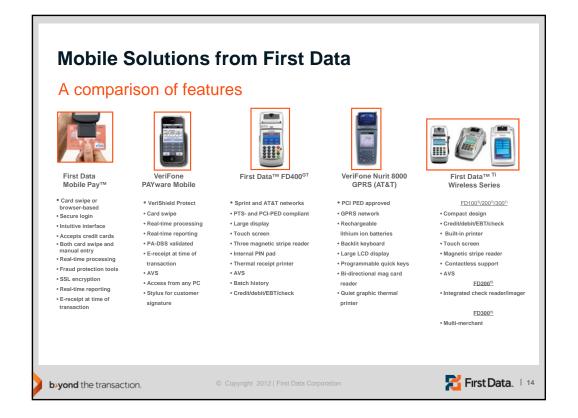




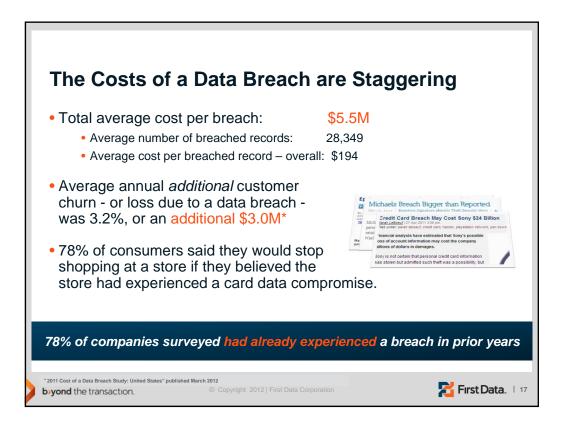


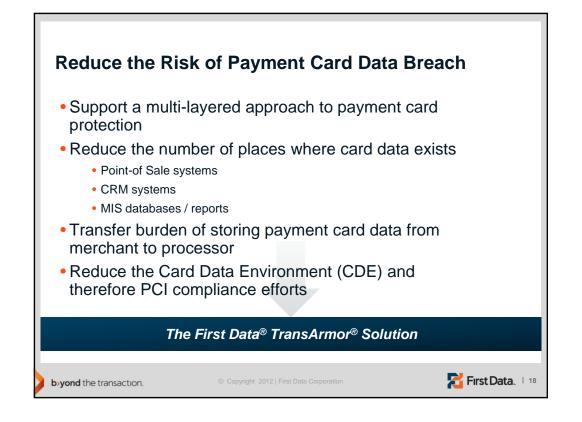
Mobile Solutions from First Data A Full Array of Choices **Highly Mobile, Wireless,** Wi-Fi, Limited Mobility Mobile, Wireless, **Carrier-Agnostic Built for Purpose** First Data™ FD100Ti First Data™ FD200Ti First Data Mobile Pay™ First Data™ FD400GT First Data™ FD300^{Ti} VeriFone PAYware Mobile VeriFone Nurit 8020 First Data. | 13 b) yond the transaction.

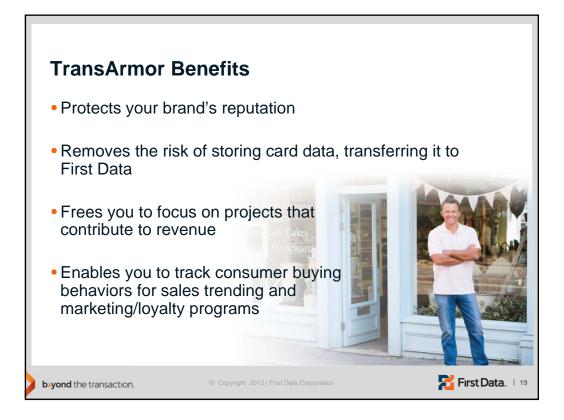








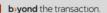




How TransArmor Reduces Scope

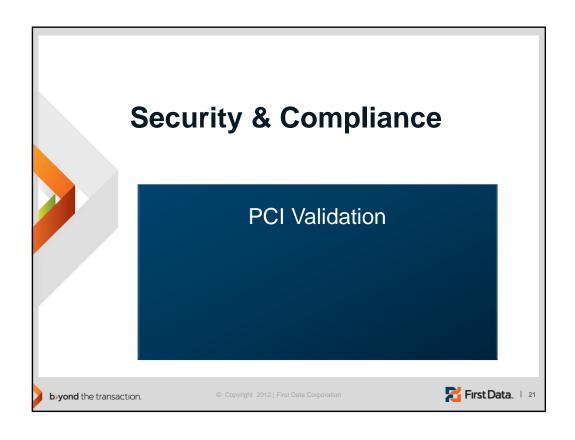
TransArmor lowers the costs and minimizes efforts associated with PCI compliance in several ways

- Shrinks the card-data environment (CDE) by removing both store systems and corporate systems
- Simplifies which questionnaire you must answer and completely removes some requirements from scope
- Changes the answers of some questions to N/A



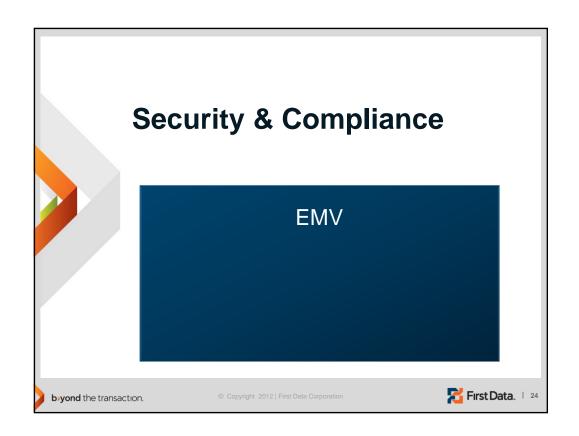
© Copyright 2012 | First Data Corporation

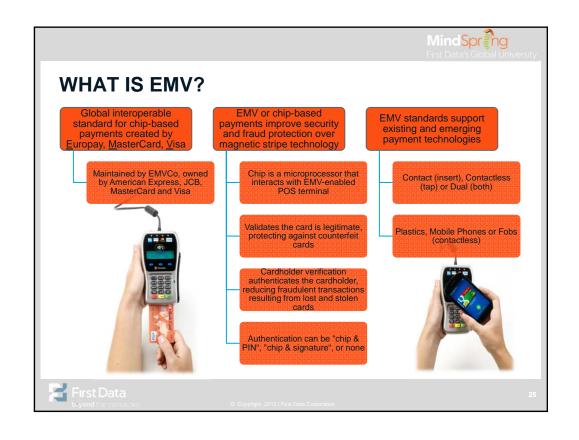


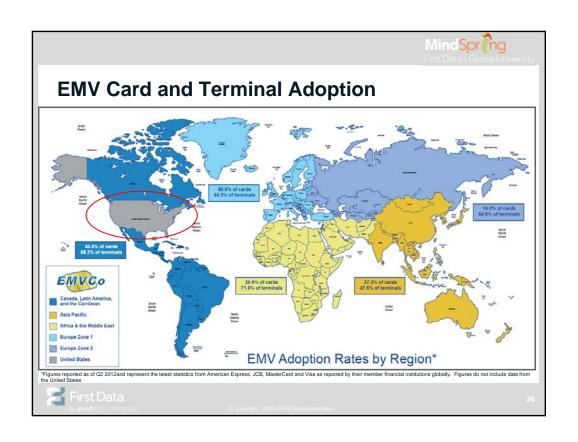




The Impact of Not Becoming PCI-Compliant can be Devastating ✓ Brand damage, loss of customer trust and loyalty Total average cost per breach: \$5.5M Ongoing compliance effort and costs to maintain systems, Average number of breached records: 28,349 resources, etc. ✓ Fines from regulatory Average cost per breached record - overall: \$194 agencies • 78% of consumers said they ✓ Legal fees would stop shopping at a store if they believed the store had ✓ Financial institution fees experienced a card data compromise. ✓ Disruption in day-to-day ¹2011 Cost of a Data Breach Study: United States" published Mar. 2012 delivery of goods and services First Data. | 23 byond the transaction.









EMV Helps Prevent Fraud at the POS

 EMV payment cards improve security over magnetic stripe technology through an embedded computer chip

EMV Fraud Prevention Features	U.S. Card Fraud Losses ¹	Functionality	
Card Authentication	\$1.3B or 16%	Validates that the card itself is the original, issuer-produced card Protects against Counterfeit Fraud Transactions require an authentic card that is validated either online coffline	
Cardholder Verification Method (CVM)	\$1.4B or 17%	Ensures that the person attempting to make the transaction is the true cardholder Protects against Lost and Stolen card fraud, particularly with a cardholder PIN Four options that are typically prioritized on the chip to confirm the cardholder's identity include Offline PIN, Online PIN, Signature or no CVM	
Transaction Authorization	\$2.8B or 32%	Issuer approval of the payment amount (transaction) Combats Counterfeit and Lost/Stolen Fraud EMV transactions are authorized by the issuer based on security parameters they have established	

Source: 1 Aite Group, LLC, "Card Fraud in the United States: The Case for Encryption", January 2010



© Copyright 2013 | First Data Corporation

27

MindSpring First Data's Global University

International Experience Supports a Chip and PIN Model

Netherlands saw a similar situation to current U.S. state - low fraud rates and slow to adopt EMV, even as Europe was migrating to chip-and-PIN¹

- Fraud rate in 2005 was .02%; .05% by 2009 a **150+%** increase
- With Canada and Mexico already adopting EMV standards, US is in similar situation

U.K. experience indicates Chip & PIN provides better fraud protection²

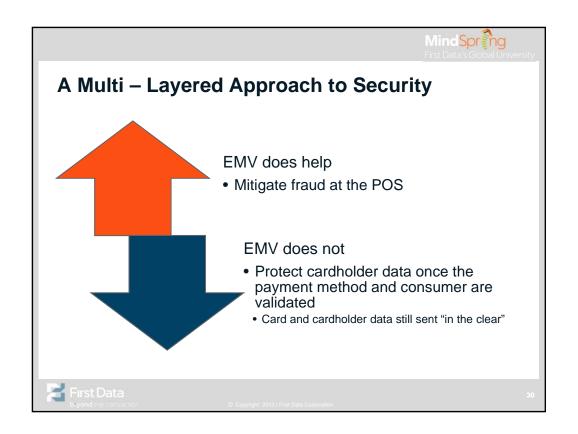
- Between 2005 & 2010, total card purchase volume grew 32%, while total card fraud decreased 17%
- Lost and stolen card fraud is at its lowest level since the 1990s
- Counterfeit card fraud is at its lowest level since 1998
- Retail Payments Risk Forum, "Chip-and-PIN: Success and Challenges in Reducing Fraud", Douglas King, January 2012.
 Financial Fraud Action UK, Working Together to Prevent Fraud Euromonitor Data)

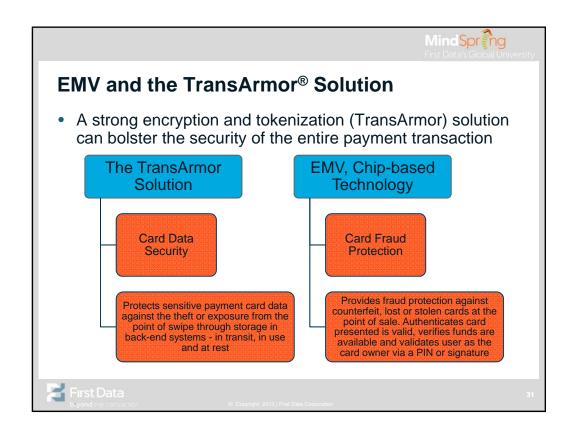


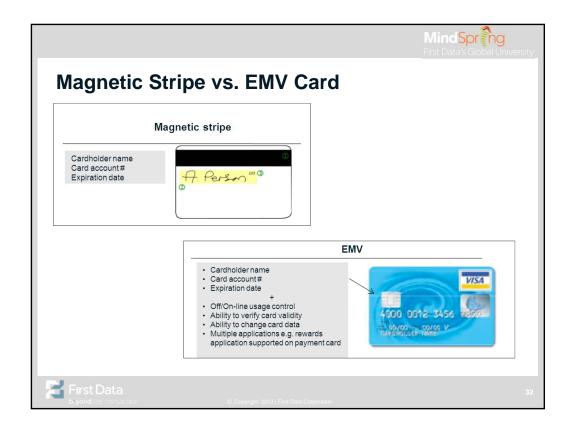
© Copyright 2013 | First Data Corpora

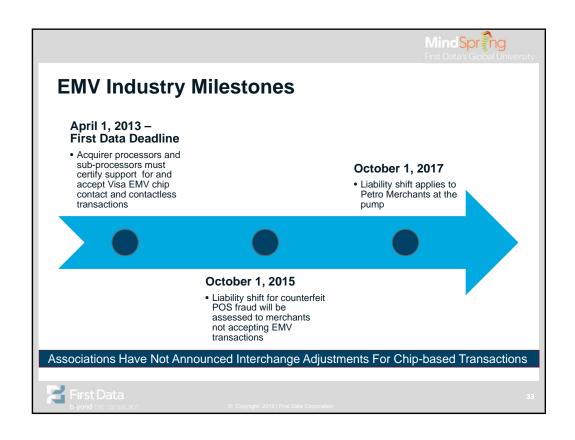
28

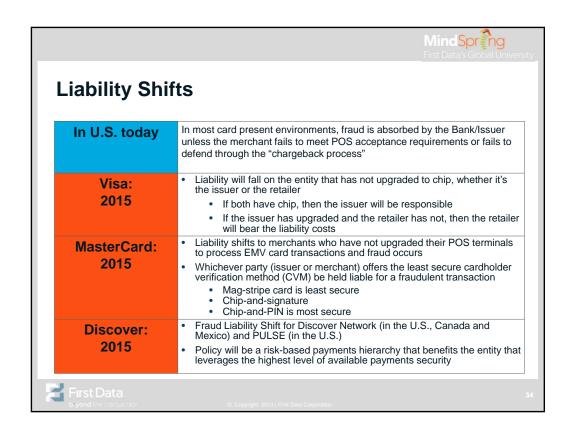
Why Should Merchants Care? • Additional benefits to enabling EMV: • Reduce chargeback liability and associated oversight costs of fraud • Enable more payments from international travelers using EMV-enabled payment cards • Reduces fraudulent card use on card present transactions • US consumer card will now be chip enabled for use all over the world • Speed up checkout lanes with contactless transactions • Dual-Interface Chips (Contact & Contactless) - Let consumers pay the way they want – card, phone, insert, wave/tap EMV could eliminate 95% of lost/stolen card fraud and 90% of counterfeit card fraud¹



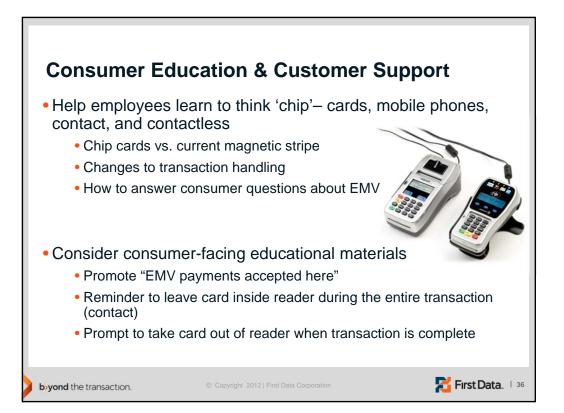














	FD400 ^{GT} Terminal	First Data Mobile Pay	VeriFone PAYware Mobile	
	Hand-held terminal that connects via AT&T GPRS or Sprint CDMA	2 solutions: 1) App –based version with audio jack card reader , and 2) browser-based version for hand-keyed transactions	Web-enabled iPhone slips into a special sleeve/card reader	
Target Profile	Merchants who need to accept multiple payment options; those with higher transaction volumes who need the ability to make adjustments to transactions	Existing Web-enabled smart phone users: iPhone, iPad, iPod Touch or Android smart phone	Merchants with price sensitivities who wish use their existing iPhone	
Supported mobile platforms or 3G network	AT&T GPRS or Sprint CDMA	Existing Web-enabled smart phone: iPhone, iPad, iPod Touch or Android smart phone	Apple iPhone	
Requirements	Merchant account with First Data and with Apriva gateway	Merchant account with First Data and with Apriva gateway	Merchant account with First Data and with VeriFone gateway	
Virtual or hand-held terminal	Hand-held terminal only	Both	Both	
Resident application	Yes	Browser- and app-based versions available	Yes	
Hosted data access (back-office)	Apriva	Apriva	VeriFone gateway	
Receipt capability	Yes, built-in thermal printer	Display/email	Display/email	
Magnetic stripe capability	Yes	Yes (app-based version only)	Yes	
Check conversion	Manual personal paper	No	No	
On-screen signature capability	No	Yes (app version only)	Yes	
Application download capability	Download from First Data	Yes	Yes – App store	
Multi-user configuration	No	Yes, browser-based version only	No	
Security	Encryption occurs after the card swipe AVS support included Card security code supported Account number truncation included	Encryption at the MSR (app version) Encryption upon card # entry (browser version) AVS support included Card security code supported Account number funcation included	Encryption at the MSR AVS support included Card security code supported Account number truncation included	

	Pogo>™	Square	Intuit	PayAnywhere	PayPal	Groupon
# of Card Readers in the North American Market	Over 1,000 accounts	2 Million	*Trying to enable 8 million of the 23 million merchants using QuickBooks to accept GoPayments	Estimated run rate of 300/ month	Nothing public 300K Pre-Registered in early 2012	Nothing Public 250,000 Merchant relationships world wid 36.9 active consumer customers in 1Q 2012
Processing	Over \$500k	\$10 billion annually	Intuit as a whole \$21 billion annually	Powered by North American Bancard \$12 billion annually	\$10 billion up from \$4 billion 2011 (total mobile)	NA
Dongle Price Purchased Online	Free	Free	Free	Free	Free	Dongle Free Case Sleeve \$100
Dongle Price Purchased in Stores	NA	\$9.95 Credit \$10.00 back to account when activated	\$9.95 Credit \$10.00 back to account when activated	\$9.95 Credit \$10.00 back to account when process \$150	\$14.95 Credit \$15.00 back at sign up	NA
Consumer Offer	NA	NA	NA NA	First \$1,000 in Transactions processed free	NA	Guaranteed lowest rates
Monthly Fees	0-\$5.95	\$0 Pay as you Go \$250 per month	\$0 Pay as you go Plan \$12.95 High Volume Plan	\$0	\$0	\$0
Transaction	Competitive varies by channel	Swipe 2.75% Keyed 3.5%+5.25 or \$275 per month for \$250,000 swiped transactions or less AMEX, DC, V, MC	Swipe 2.75% + 15 or \$12.95 per morth service fee \$12.95 per 51.95 per	Swipe 2.69% Keyed 3.49% + S.19 Retrieval Fee: \$15.00 Chargeback: \$25.00 NSF: \$25.00 AMEX, DC, V, MC	Swipe 2.7% Keyed 3.5% + 14 MC-branded debit card that returns 1% on purchases. AMEX, DC, V, MC, PayPal, Check	Groupon Mercharts Swiped 1.8% + \$1.50 Keyed 2.3% + \$1.50 Non-Groupon Mercharits Swiped 2.2% + \$.15 Keyed 2.7% + \$.15 AMEX, DC, V, MC
Mobile Operating System	iOS & Android	iOS & Android	iOS & Android	iOS, Android & Blackberry	iOS & Android	iOS & Android
Customer Support	24/7 Email Call Chat	24/7 Twitter – Chat Email	24/7 Call Online Chat	24/7 Email Call Chat	24/7 Email Call Chat	24/7 Call
Limitations	Restrictions apply depending on the channel by credit card volume, F2F, MCC, avg ticket size		No limitations just recommendations: A free subscription with higher transaction rates (recommended if you process less than \$1,000 per month) \$12.95 per month subscription with lower transaction rates (recommended if you process more than \$1,000 per month).	If purchase dongle is stores for \$9.95 account will be credited back only when the merchant processes more than \$150.	Merchants who key-im more than \$1,000 in sales within any rolling seven day period will have the funds over \$1,000 heldin a reserve for 30 days before they are released.	Valid only to Groupon Merchants located in the US. Merchant mus provide proof of existin payment processor's rates to quality for the lower pricing from Groupon.

