#### EMV Chip Cards Not as Scary as it Used to be



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### Agenda

Fraud Landscape

EMV Update

**EMV** Quick Chip

Questions

#### Fraud landscape today



**Counterfeit fraud represents 69% of card-present fraud and is growing** 



EMV Migration- Not as Scary as it Used to Be

## Fighting fraud from every angle

#### VISA



Source: Visa Fraud Performance Benchmarking. Reporting window YE 2015. Remaining percentage fall under "Other" fraud types. U.S. Fraud by Type (% = share of total) EMV Migration- Not as Scary as it Used to Be

### How does EMV chip technology work?



Because the cryptogram changes with every transaction, even if the card data is stolen, the information can't be used to create counterfeit cards because the cryptogram would have already "expired"



### Visa U.S. EMV chip roadmap



- In August 2011, Visa led the industry by setting a plan to move the U.S. to EMV chip technology
- Successful globally, liability shifts have been the primary tool used to encourage both issuers and merchants to adopt EMV chip technology

April 2013	April 2015	October 2015	October 2017	
Acquirer EMV Chip POS Processing Mandate	Acquirer EMV Chip ATM Processing Mandate	POS Liability Shift U.S. domestic and cross-border	AFD* Liability Shift ATM Liability Shift U.S. domestic and cross-border *AFD = automated fuel disper	
	Card	Terminal	Liability	
	Mag stripe only	Mag stripe only	lssuer	
	Mag stripe only	Mag stripe only	lssuer	
	Mag stripe only	EMV chip	lssuer	
	EMV chip	Mag stripe only	Acquirer	
	EMV chip	EMV chip	lssuer	

#### U.S. EMV chip migration status as of Sept. 2016 VISA

52% of US cards now have chips that resulted to 82% of payment volume

Adoptio	n					
176.0M		196.9M		1.64M		
US issued EMV Visa credit cards 94% PV		debi	ed EMV Visa bit cards 8% PV US EMV Visa acceptors 39% PV		a acceptors	
Usage <sup>1</sup>	Fallback <sup>2</sup>					
32.2%	16.	1%	2.1	1%	3.6%	
US credit card chip on chip transaction 40.8% by PV	US debit ca chip trar 23.0%	nsaction		rredit card ck rate by PV	US EMV debit card fallback rate 3.5% by PV	

Sources: Current cards based on MARS data through September 30, 2016. <sup>1</sup>Visa branded chip cards processed as chip transactions. <sup>2</sup>Magstripe transactions using a Visa branded chip card in a chip terminal.



### Chip Card Issuance by State



Source: VisaNet Data as of September 30, 2016. Chip card transactions at Mag Stripe or EMV terminals (based on 201 service code)

### U.S. EMV Chip Migration Status Counterfeit Fraud Continues to Decrease

Down 522%

For merchants who have completed the chip upgrade, **counterfeit fraud dollars** dropped 54% in June compared to a year earlier.

### **EMV Testing and Certification Update**

- Visa announced EMV chip roadmap in 2011 to give the industry time to plan and adopt EMV on their own timeframe
- Visa has been working with acquirers, processors, and point of sale providers on programs aimed at increasing the speed of certifications
- Visa has **streamlined testing requirements** for chip terminals that can reduce certification timeframes by as much as 50 percent
  - Published a revised set of "minimum" test scripts in Dec 2015
    - Reduced the number of test scripts by over 50%, from 35 to 14
    - Acquirers can self-certify and complete testing in less than an hour
- Many merchants are dependent on Value Added Resellers (VARs) to develop and implement their terminal software
  - VARs can pre-certify their software solutions using 3rd parties to reduce the testing that the acquirer/processors need to do by up to 80%
  - Visa provides hands-on support to VARs who need technical information, education, consulting, and training. A dedicated team of experts are available to provide direct support.

### **EMV Chargebacks**

#### In June, Visa announced the following changes to our chargeback policies

#### - Minimum Chargeback Amount

Effective 22 July 2016 through April 2018, a **\$25 minimum amount** will be required for allowable counterfeit chargebacks on U.S. domestic card present transactions

#### - Maximum Chargebacks per Account

Effective from October 2016 through April 2018, a maximum of 10 counterfeit fraud chargebacks will be allowed per account in 120-day period for U.S. domestic card present transactions

Visa Quick Chip for EMV<sup>®</sup> speeds up checkout times on chip transactions at the point of sale and optimizes the consumer experience while providing the same level of EMV security, including the cryptogram.



With Quick Chip, merchants and their customers benefit from a faster EMV check out experience

#### Reduce development & testing time by up to

85%

Implement Quick Chip in as little time as

1 week

### Introducing Quick Chip

Insert the card face up, chip end first Insert card

.

Remove card when prompted. Processing should take about 2 seconds or less.



3 Follow prompts on screen to finalize transaction Follow prompts

VISA

### Counterfeit fraud mitigation best practices

Point-of-sale merchants who are not EMV-chip enabled

# Read and compare verification



# Be on the lookout for highly suspicious transactions



#### **High-value purchases**

such as prepaid cards, electronics, jewelry or large amounts of merchandise



#### Use common sense

Know what behavior is normal for your business

### Visit www.visachip.com

Online destination for merchants, acquirers, issuers, service providers and consumers







#### **EMV Migration Forum**

- www.emv-connection.com
- gochipcard.com

#### **Testing Documentation**

- Visa Inc. U.S. EMV Chip Terminal Testing Requirements
- Visa Minimum U.S. Online Only Terminal Configuration and Quick Chip
- Visa Chip Bytes and more.....

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## **Questions?**

### Upcoming Events & Resources

#### Upcoming Webinars – www.visa.com/cisp

-November 16, 2016 - Top 10 Signs your Payment Network is Breached

#### Visa Data Security Website – www.visa.com/cisp

- -Alerts, Bulletins
- —Best Practices, White Papers
- -Webinars

#### PCI Security Standards Council Website – www.pcissc.org

—Data Security Standards – PCI DSS, PA-DSS, PTS

-Programs - ASV, ISA, PA-QSA, PFI, PTS, QSA, QIR, PCIP, and P2PE

-Fact Sheets - ATM Security, Mobile Payments Acceptance, Tokenization, Cloud Computing, and many more...