

Agenda	
1. Introduction	
2. Background	
3. What problem are we trying to solve?	
4. What are the consequences of non-compliance?	
5. Questions	
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## Tejinder Basi, Partner, Deloitte Tejinder Basi is a partner with Deloitte & Touche. He is part of Deloitte's National and BC Public Sector Industry Practice leadership group.

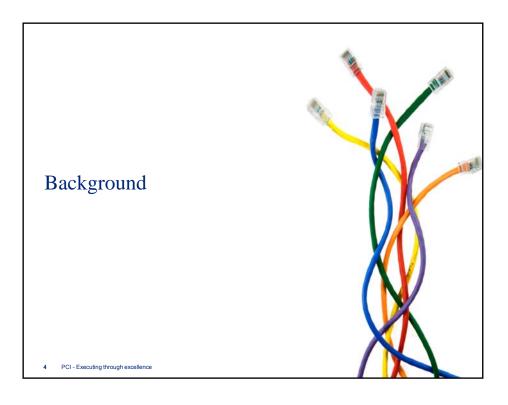
- Tejinder and his team have proudly supported the public sector within BC with a wide variety of strategic advisory and implementation services over the last 10+ years.
- His specific area of focus is Security and Privacy. He leads Deloitte's Security and Privacy practice for Western Canada, within the Enterprise Risk Services group. He has over 15 years of experience as a Security, Audit and Control professional spanning Europe and North America.
- His team's motto is "helping clients manage risk from the boardroom to the network".
- Deloitte is proud to be the Official Supplier of Professional Services to the Vancouver 2010 Olympic and Paralympic Winter Games.

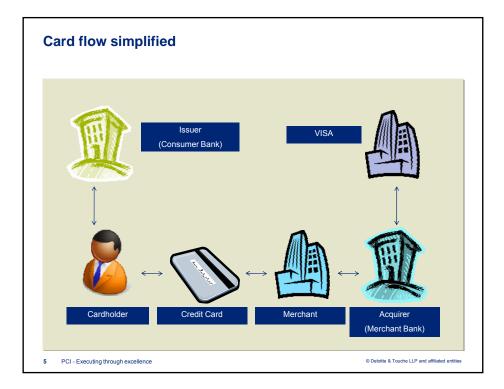
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Speaker bio

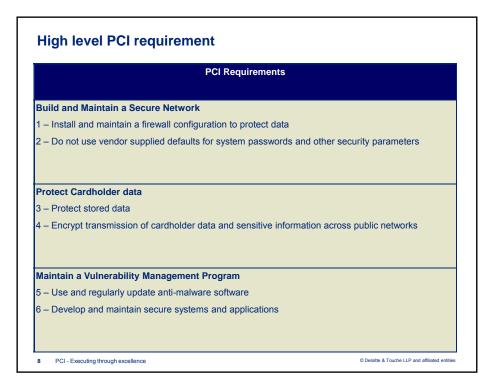
## Speaker bio Tarlok Birdi, Senior Manager, Deloitte Vancouver Tarlok has over 14 years of experience in the IT field. He has worked in several industry sectors including healthcare, government, telecommunications, financial and retail. He specializes in secure infrastructure design, including multi-vendor network and server systems design for clustered and distributed applications, as well as developing process and controls for enterprise security. Tarlok has lead several network server systems vulnerability assessment and vulnerability exploitation projects. Tarlok has worked with local merchants and service providers in the government, food/beverage, hospitality, retail and telecommunications industries, performing PCI gap analysis and remediation planning, developing PCI compliance readiness strategies and performing PCI compliance audits. Tarlok holds a Master of Computer Science degree, the CISSP and CISM designations. Additional certifications include QualysGuard Certified Specialist, and PCI Qualified Security Assessor (QSA). 3 PCI - Executing through excellence © Deloitte & Touche LLP and affiliated entities







What are the components of PCI?	
<ul> <li>Three components of PCI are:</li> <li><i>PCI-DSS</i> <ul> <li>Data Security Standards – version 1.2</li> </ul> </li> <li><i>PCI-PA</i> <ul> <li>(formerly known as Payment Application Best Practices – PA</li> </ul> </li> <li><i>PCI-PED</i> <ul> <li>Pin Entry Device</li> </ul> </li> </ul>	ABP)
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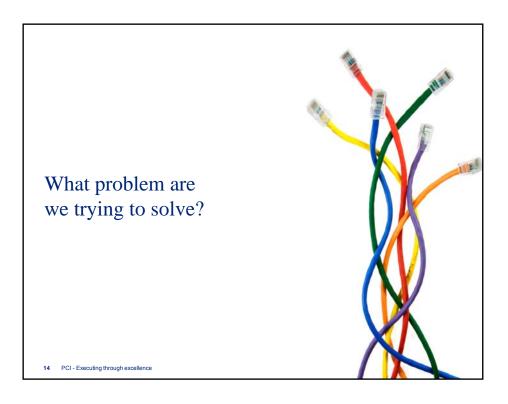
PCI Requirements		
Implement Strong Acc	ess Control Measures	
7 – Restrict access to da	ata by business need-to-know	
8 – Assign a unique ID to	o each person with computer access	
9 – Restrict physical acc	ess to cardholder data	
Regularly Monitor and		der dete
	Ill access to network resources and cardhol	der data
11 – Regularly test secu	rity systems and processes	
Maintain an Informatio	n Security Policy	
12 – Maintain a policy th	hat addresses information security	

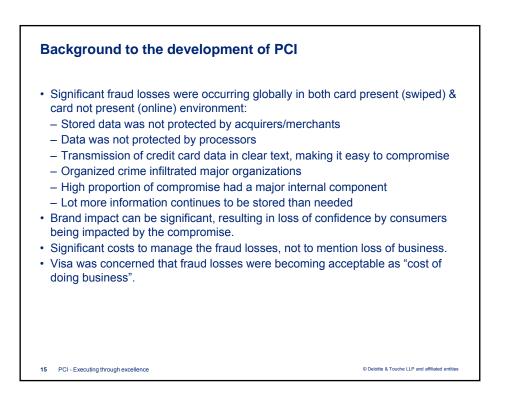
Pres and DSEs were	use a certified third party to perform the or previously required to have completed qua		s by 30 June 2004
Category	Criteria	Requirements	Compliance Dates
Level 1	Merchants >6 MM annual transactions (all channels) All TPPs All DSEs storing data for Level 1,2,3 All compromised merchants, TPPs and DSEs	Annual onsite audit *1 Quarterly network scans	30 June 2005 *2
Level 2	All Merchants >1 million transactions annually, but less than 6 MM All merchants meeting the Level 2 criteria of a competing payment brand	Annual self-assessment Quarterly network scans	31 December 2005

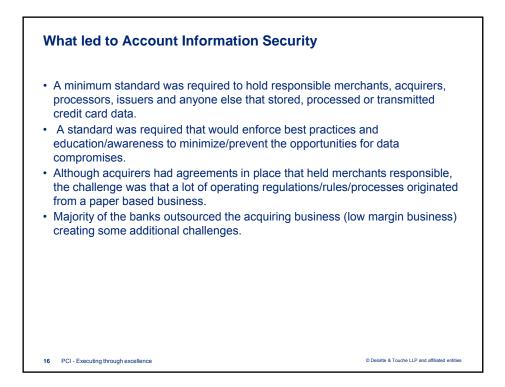
Category	Criteria	Requirements	Compliance Dates
Level 3	All Merchants with annual ecommerce transaction of >20,000 but less than 1 MM All Merchants meeting Level 3 criteria of a competing brand	Annual Self-Assessment Quarterly Network Scans	30 June 2005
Level 4	All other Merchants	Annual Self-Assessment Quarterly Network Scans	Consult Acquirer

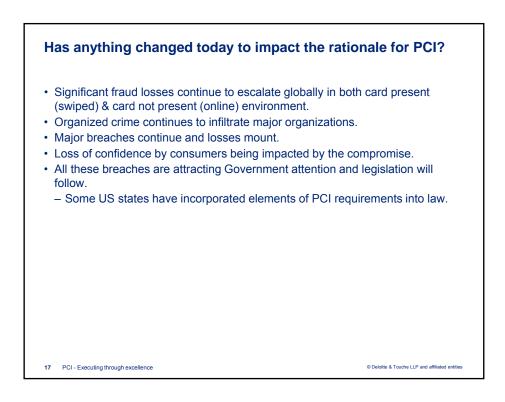
loes not supersede	regional deadlines		
Category	Criteria	Requirements	Compliance Dates
Level 1	Merchants >6 MM annual transactions (all channels)	Must not store track 2 data	October 2009
	All TPPs All DSEs storing data for Level 1,2,3 All compromised merchants, TPPs and DSEs	Be fully compliant	October 2010
Level 2	All Merchants >1 million transactions annually, but less than 6 MM	Must not store track 2 data	October 2009
	All merchants meeting the Level 2 criteria of a competing payment brand	Be fully compliant	October 2010

SAQ Validation Type	Audience	SAQ	Description
1	Merchants	A (11 questions)	Card not present (e-commerce or mail/telephone order) merchants, all cardholder data functions outsourced. This would never apply to face-to-face merchants.
2	Merchants	B (21 questions)	Imprint-only merchants with no electronic cardholder data storage.
3	Merchants	B (21 questions)	Stand-alone terminal merchants, no electronic cardholder data storage.
4	Merchants	C (38 questions)	Merchants with POS systems connected to the Internet, no electronic cardholder data storage.
5	Merchants and all service providers	D (226 questions)	All other merchants (not included in Types 1-4 above) and all service providers defined by a payment brand as eligible to complete an SAQ.









## **Current threat environment** Point of Sale Cardholder data in transaction logs and memory (in particular magnetic strip data). • Lack of encryption during store-fwd mode. · Legacy equipment: non-unique accounts; inadequate activity monitoring. · Physical security (POS terminal, PIN PAD, receipts, room keys). Wireless · Encryption strength. Continual surveillance/rogue device detection/regular scans. · Vulnerabilities introduced through inadequate wireless architectures. Web applications • SQL injection/cross-site scripting/authentication by-pass. · Poor coding practices/lack of security built into SDLC. Data leakage/Data integrity · Lack of role-based access control. · Lack of adequate audit logging. · Dealing with data at rest (database encryption, data retention). Social engineering · Internal breaches. · Phishing/pharming. 18 PCI - Executing through excellence © Deloitte & Touche LLP and affiliated entities



