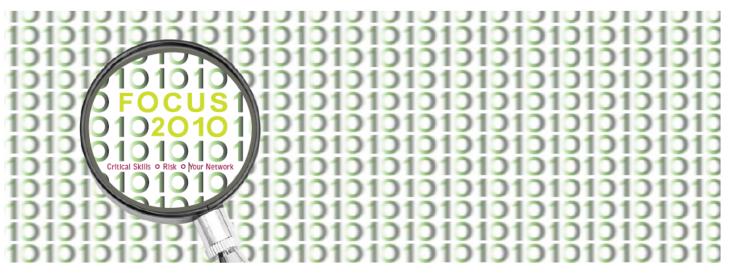
10th Annual SF ISACA Fall Conference

October 4 – 6, 2010

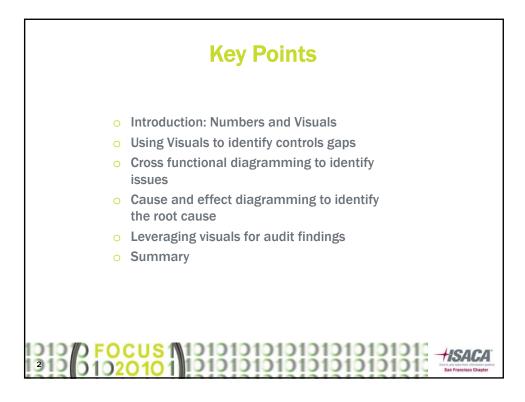


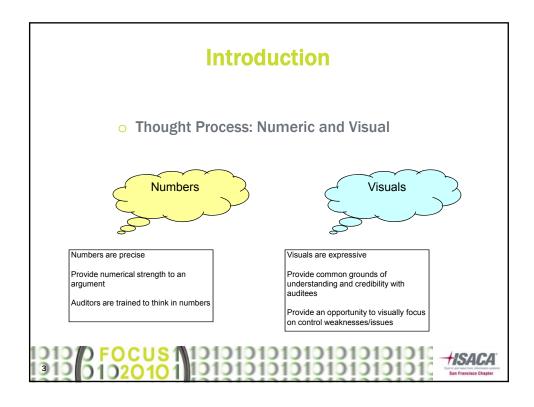
## C33: Accelerating System Development: IT Audit Fieldwork Using Visual Constructs

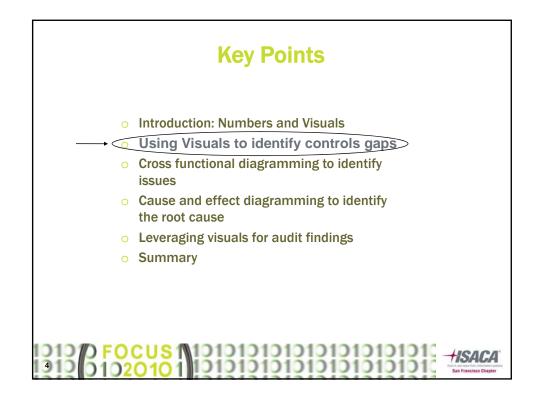
Sanjay Mathur, CONTENTIfy, Inc.

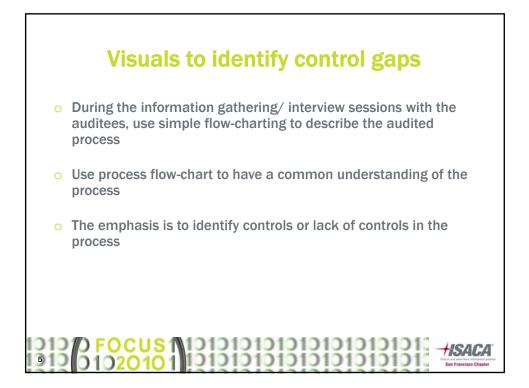


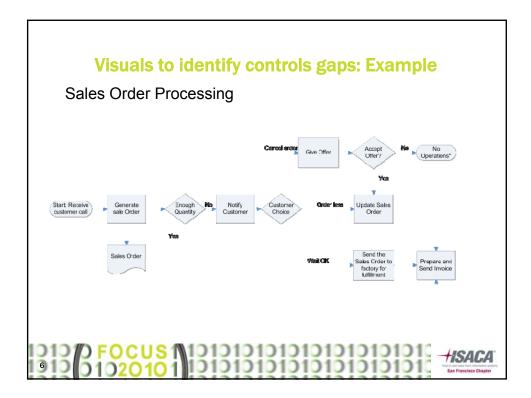


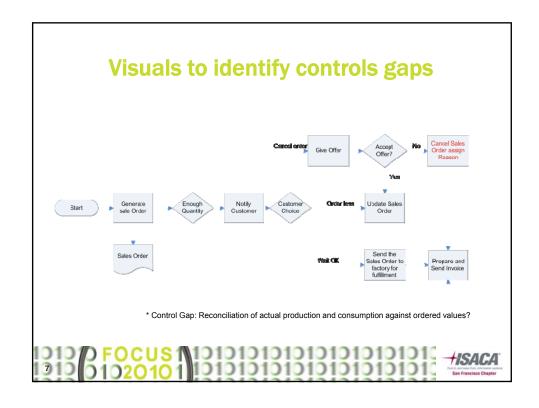


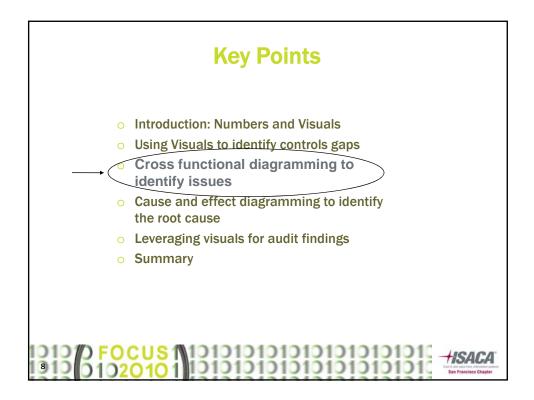


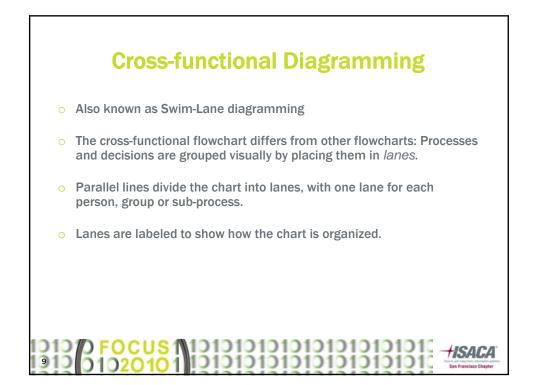


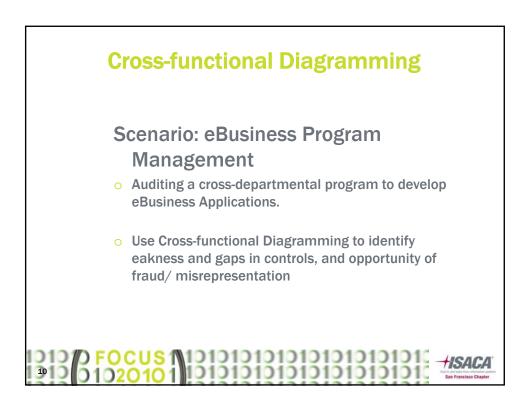


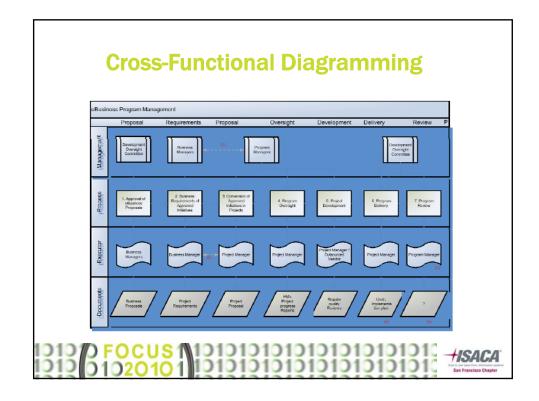


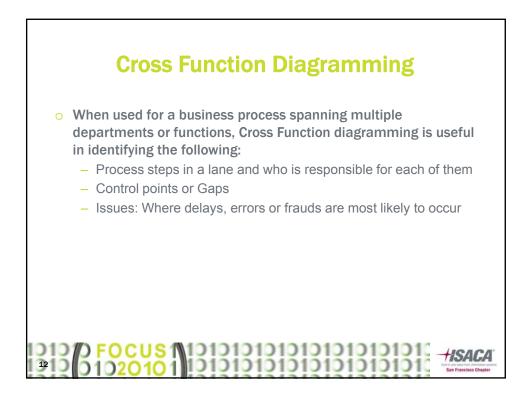


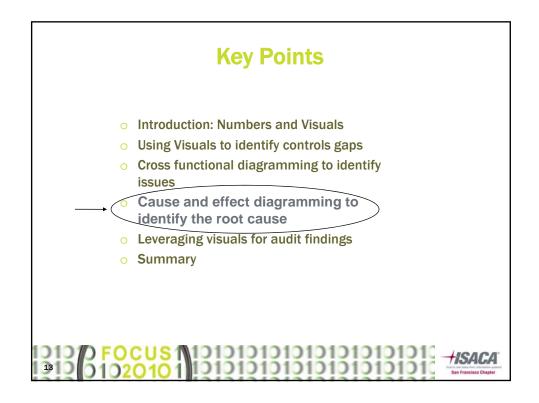


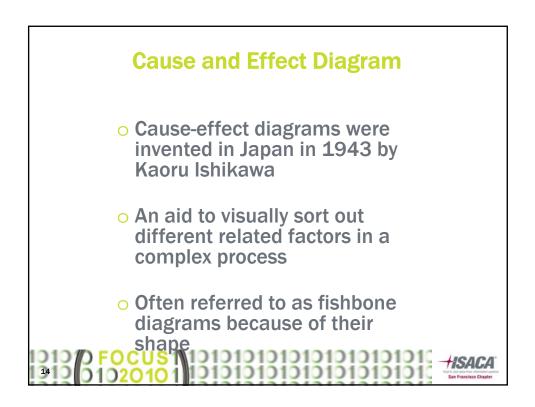










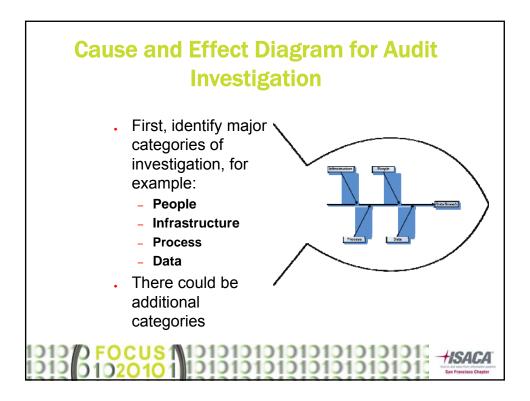


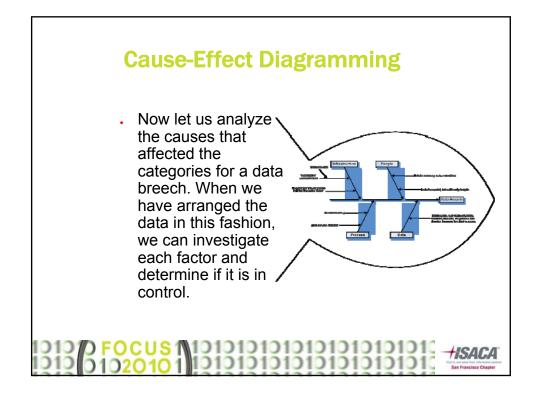
## Cause and Effect Diagram for Audit Investigation

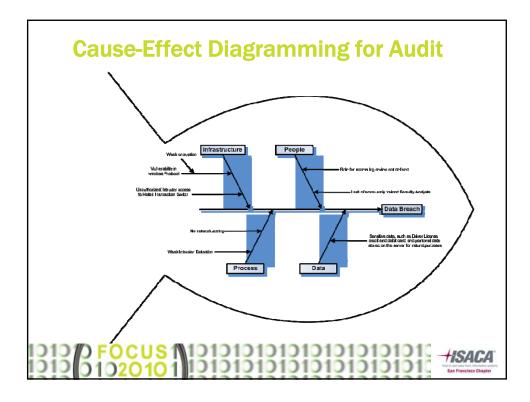
## Scenario: Data Breech at a retailer

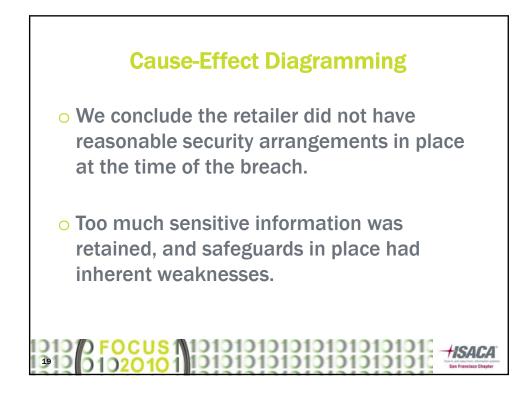
- Intruders may have accessed the RTS [retail transaction switch] servers and Personally Identifiable Information (PII) due to a weak or inadequate encryption Wireless standard (WEP)
- o Use of Cause-Effect Diagram for audit investigation

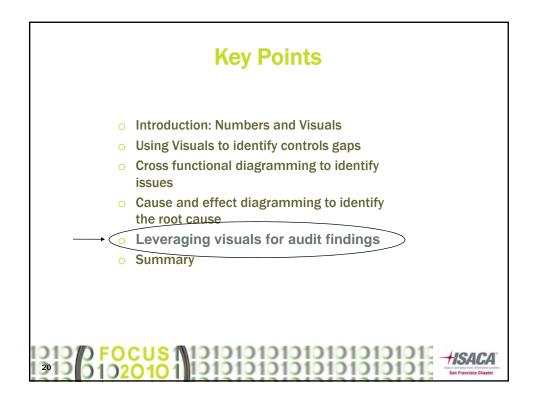
## 



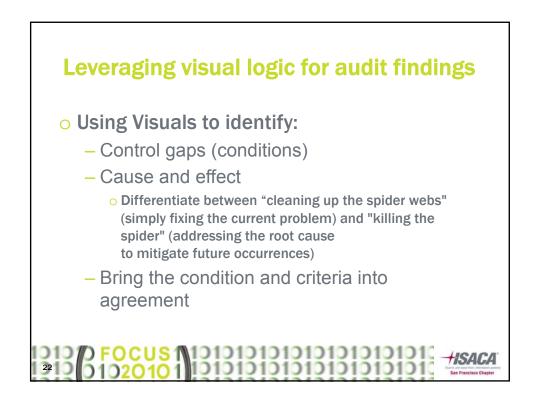












Visual Constru	uct for Audit	
Advantages	Cautions	
Demands an understanding of the operations being reviewed	Can be detailed if the operations are complex	
Provides a "pop out" of operational controls/ gaps	May allow unnecessary discussions of complex operations	
Easy to create a baseline reference and subsequent upgrades	May require learning of a flow- charting tool, such as Microsoft Visio, Flow Charting 6 for Windows, etc.	
It is easier to comprehend, provides a map, since "a picture is worth a thousand words"	Both auditors and auditees must have a common understanding of symbols and flow-chart standards.	

