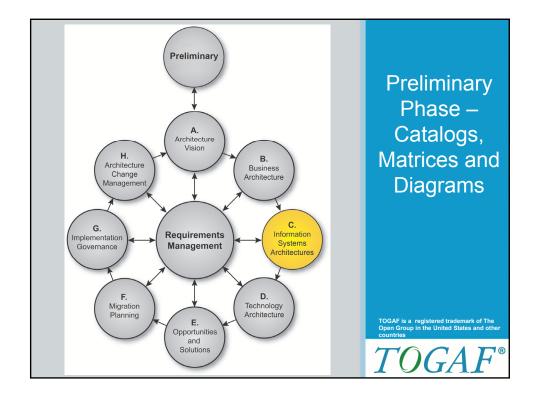
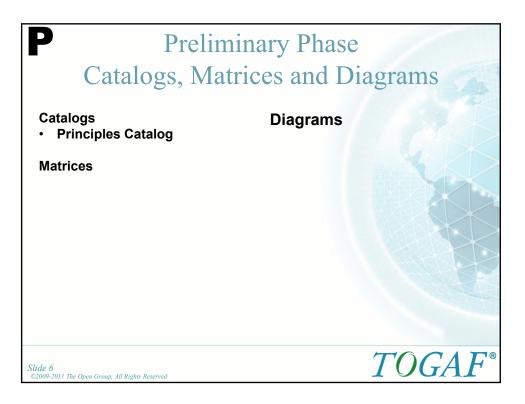
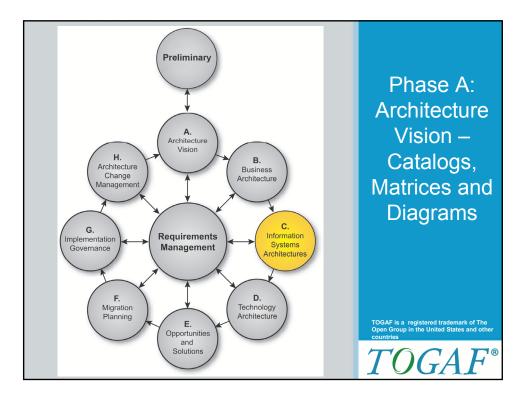


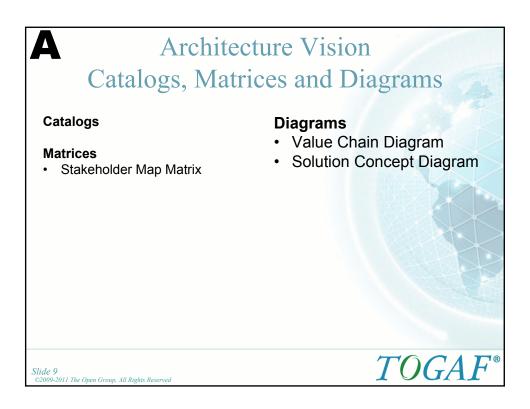
	hase C, Application rchitecture Application Portfolio catalog Interface catalog Application/Organization matrix Role/Application matrix Application/Function matrix Application Interaction matrix	Phase D, Technology Architecture Technology Standards catalog Technology Portfolio catalog System/Technology matrix Environments and Locations diagram Platform Decomposition
 Organization/Actor catalog Driver/Goal/Objective catalog Role catalog Business Service/Introlion catalog Location catalog Process/Event/Control/Product catalog Contract/Measure catalog Business Interaction matrix Actor/Role matrix Business Service/Information Business Service/Information 	Application Portfolio catalog Interface catalog Application/Organization matrix Role/Application matrix Application/Function matrix Application Interaction	Architecture Technology Standards catalog Technology Portfolio catalog System/Technology matrix Environments and Locations diagram Platform
 Functional Decomposition diagram Product Lifecycle diagram Goal/Objective/Service diagram Organization Decomposition diagram Process Flow diagram Event diagram i 	Application Communication diagram Application and User Location diagram Application Use-Case diagram Enterprise Manageability diagram Process/Application Realization diagram Software Engineering diagram Application Migration diagram Software Distribution diagram	diagram Processing diagram Networked Computing/Hardware diagram Communications Engineering diagram



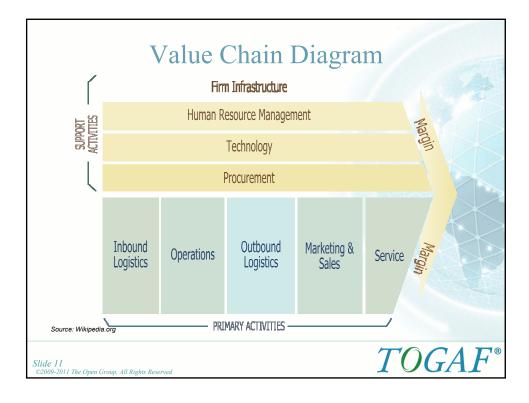


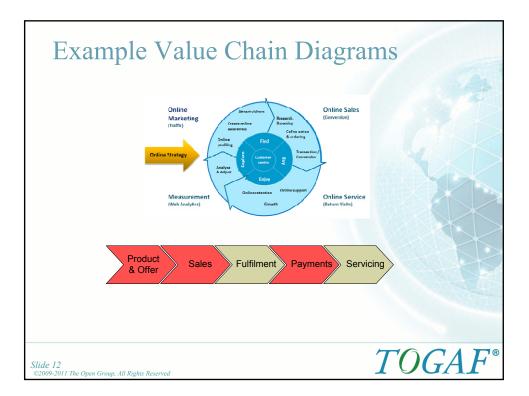
Catalog	Purpose
Principles Catalog	The Principles catalog captures principles of the business and architecture principles that describe what a "good" solution or architecture should look like. Principles are used to evaluate and agree an outcome for architecture decision points. Principles are also used as a tool to assist in architectural governance of change initiatives. The Principles catalog contains the following metamodel entities: * Principle

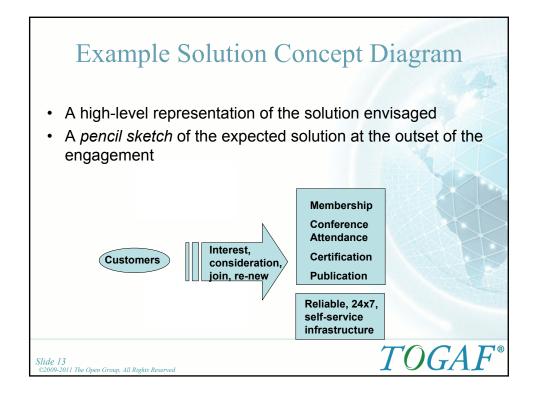


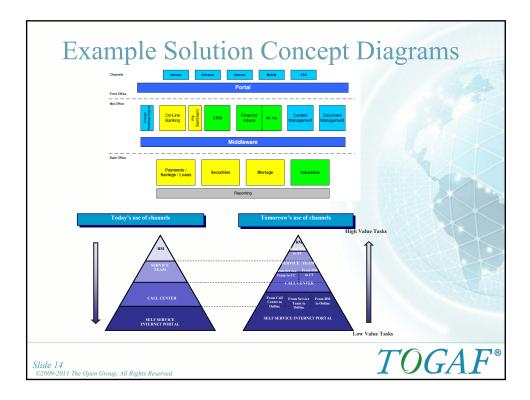


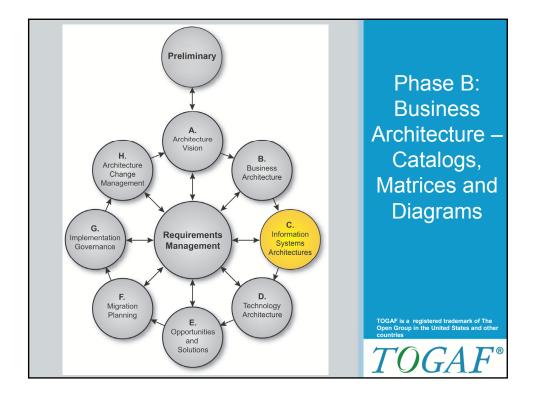
Stakeholder	Key Concerns	Class	Catalogs, Matrices and Diagrams
СхО	The high-level drivers, goals and objectives of the organization, and how these are translated into an effective process and IT architecture to advance the business	Keep Satisfied	Business Footprint diagram Goal/Objective/Service diagram Organization Decomposition diagram
Program Management Office	Prioritizing, funding, and aligning change activity. An understanding of project content and technical dependencies adds a further dimension of richness to portfolio management and decision making.	Keep Satisfied	Project Context diagram Business Footprint diagram Application Communication diagram Functional Decomposition diagram
HR	The roles and Actors that support the functions, applications, and technology of the organization. HR are important stakeholders in ensuring that the correct roles and actors are represented.	Keep Informed	Organization Decomposition diagram Organization/Actor catalog Location catalog









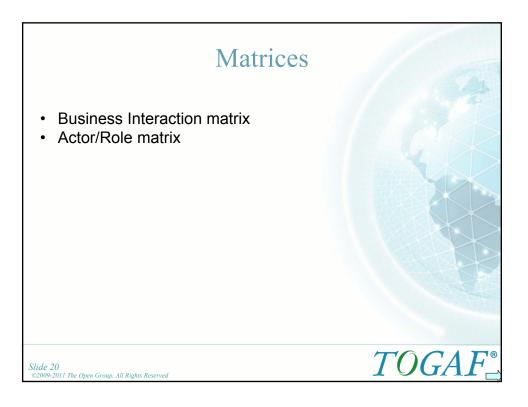


B Catalogs, Matrices and Diagrams Catalogs Diagrams Organization/Actor catalog **Business Footprint diagram** Driver/Goal/Objective catalog **Business Service/Information** Role catalog diagram **Business Service/Function** Functional Decomposition catalog diagram Product Lifecycle diagram Location catalog Goal/Objective/Service diagram Process/Event/Control/Product catalog Use-Case diagram Contract/Measure catalog Organization Decomposition Matrices diagram Process Flow diagram **Business Interaction matrix** • Actor/Role matrix Event diagram UGAF Slide 16 ©2009-2011 The Open Group, All Rights Rese

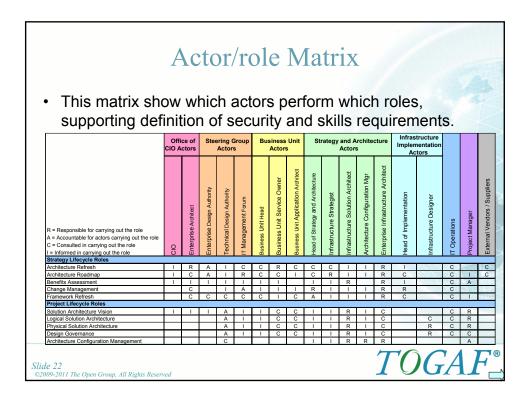
Catalog	Purpose
Organization/	A definitive listing of all participants that interact with IT, including users and owners of IT systems.
Actor	It contains the following metamodel entities:
Catalog	•Organization Unit, Actor Location (may be included in this catalog if an independent Location catalog is not maintained)
Driver/Goal/	A cross-organizational reference of how an organization meets its drivers in practical terms through goals, objectives, and (optionally) measures.
Objective	It contains the following metamodel entities:
Catalog	•Organization Unit, Driver, Goal, Objective, Measure (may optionally be included)
Role Catalog	The purpose of the Role catalog is to provide a listing of all authorization levels or zones within an enterprise. Frequently, application security or behavior is defined against locally understood concepts of authorization that create complex and unexpected consequences when combined on the user desktop. It contains the following metamodel entities:

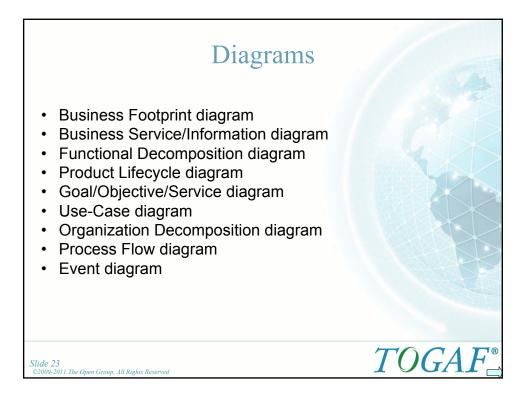
Catalog	Purpose
Business Service / Function Catalog	A functional decomposition in a form that can be filtered, reported on, and queried, as a supplement to graphical Functional Decomposition diagrams. It contains the following metamodel entities: •Organization Unit,Business Function, Business Service, Information System Service (may optionally be included here)
Location Catalog	A listing of all locations where an enterprise carries out business operations or houses architecturally relevant assets, such as data centers or end-user computing equipment. It contains the following metamodel entities: •Location
Process/ Event/ Control/ Product Catalog	The Process/Event/Control/Product catalog provides a hierarchy of processes, events that trigger processes, outputs from processes, and controls applied to the execution of processes. This catalog provides a supplement to any Process Flow diagrams that are created and allows an enterprise to filter, report, and query across organizations and processes to identify scope, commonality, or impact. It contains the following metamodel entities: •Process, Event, Control, Product

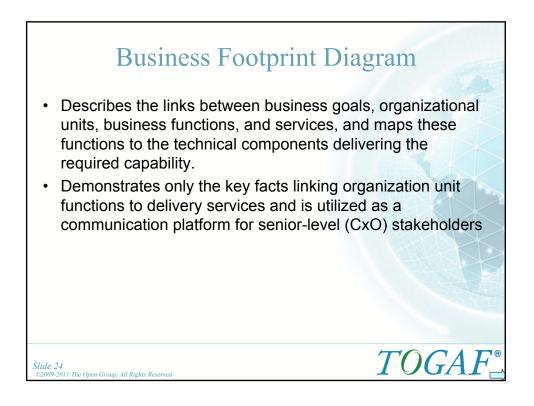
attached to these contracts. It forms the master list of convise levels	Catalog	Purpose
Business Service Information System Service (optionally) Contract	Contract/ Measure Catalog	attached to those contracts. It forms the master list of service levels
Information System Service (optionally) Contract	-	It contains the following metamodel entities:
•Contract		
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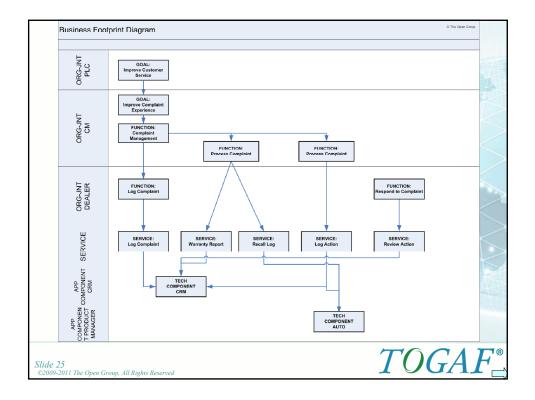


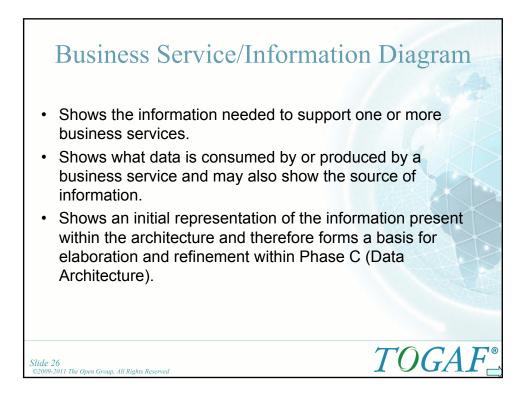
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across the ente		- <u>-</u>			
	•			in the second	
		-	Providing Busi		
	Engineering	Procurement	Manufacturing	Sales and Distribution	Customer Service
Consuming Business Services	<u> </u>				
Engineering				National States	
Engineering Procurement		Contract for supply of		Contract for supply of sales forecasts	
	Contract for supply of product specification		Contract for supply of product		

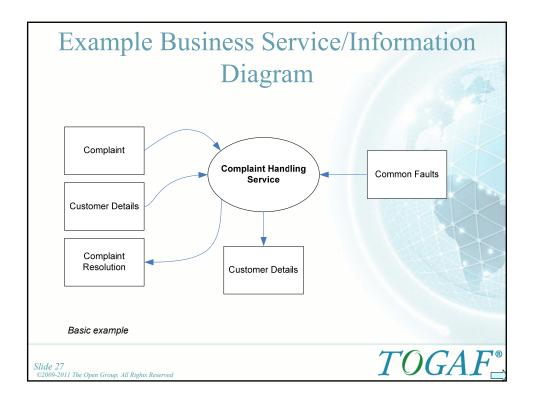


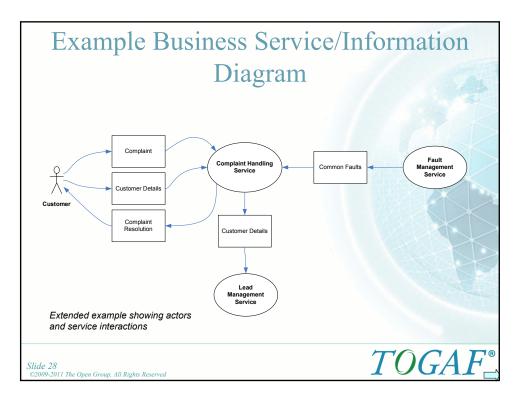


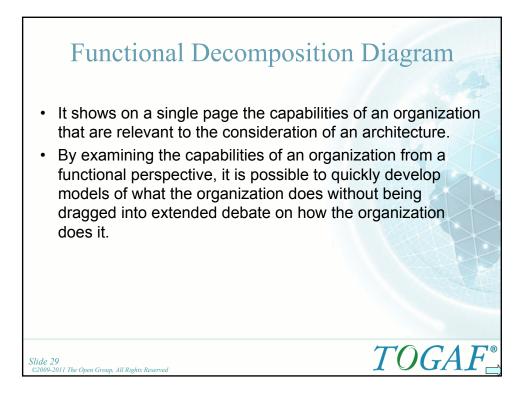


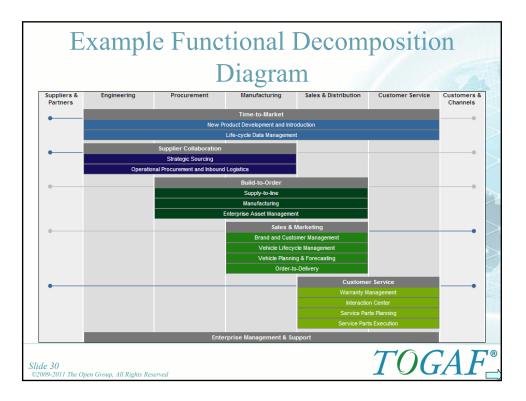


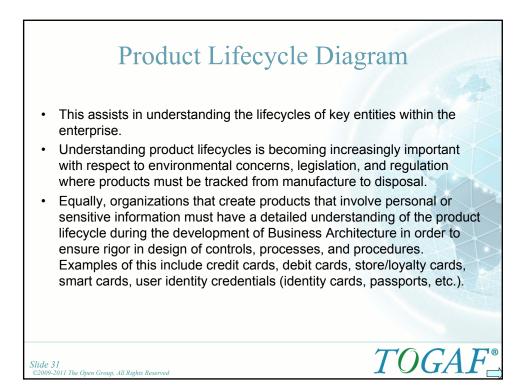


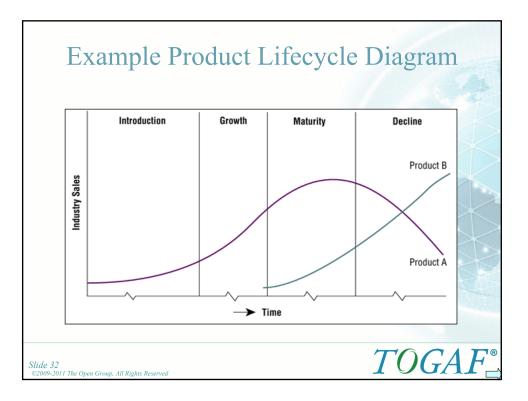


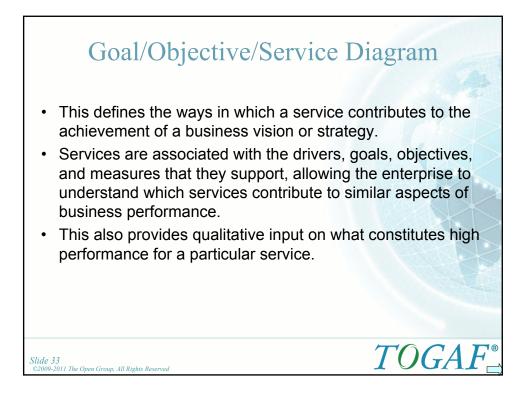


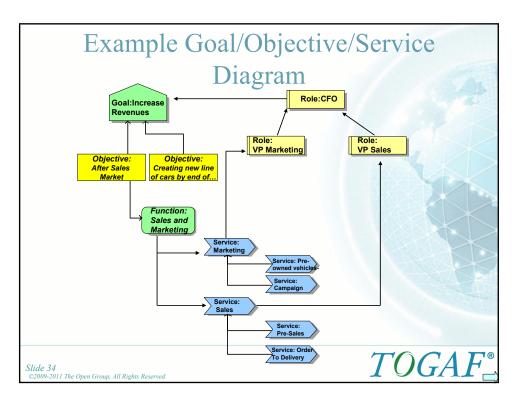


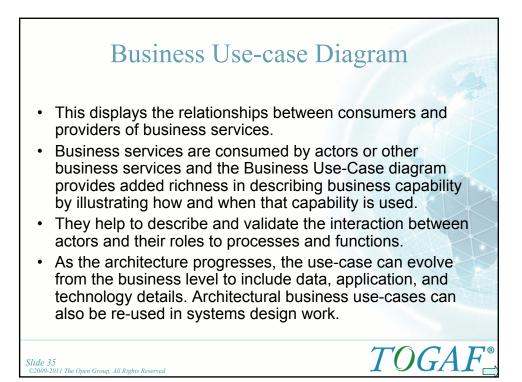


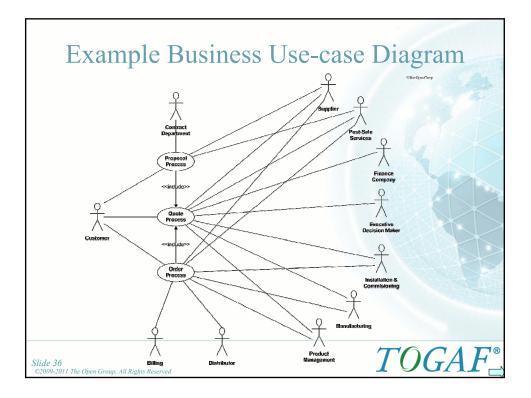




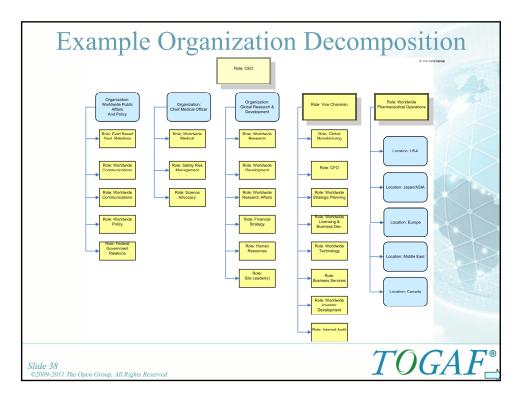


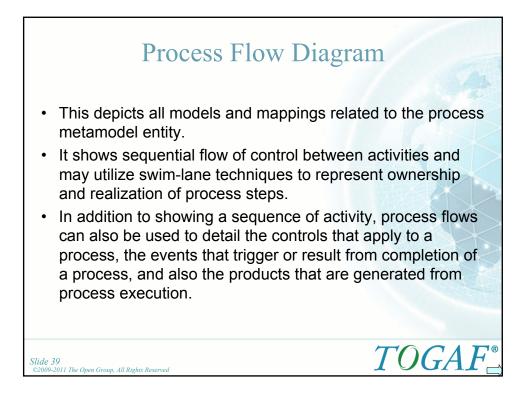


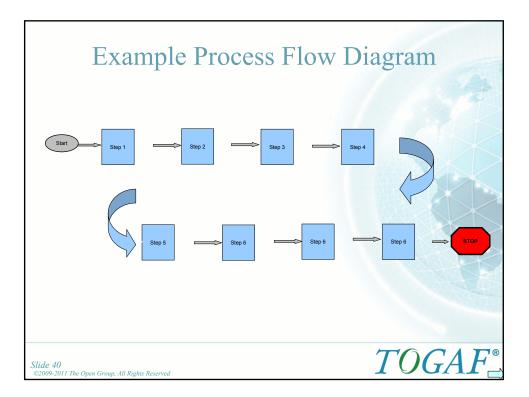


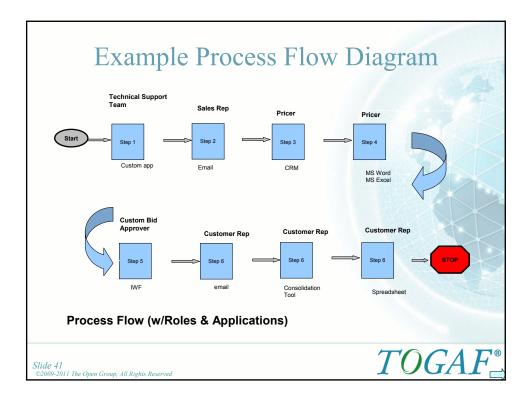


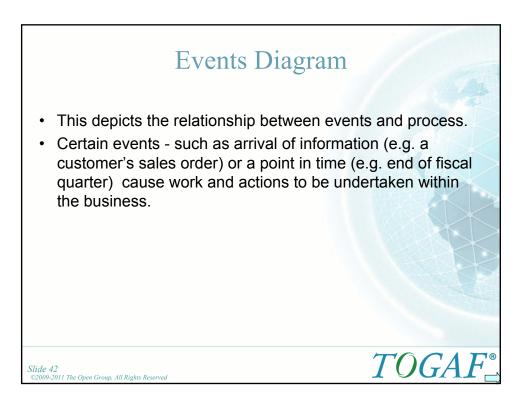


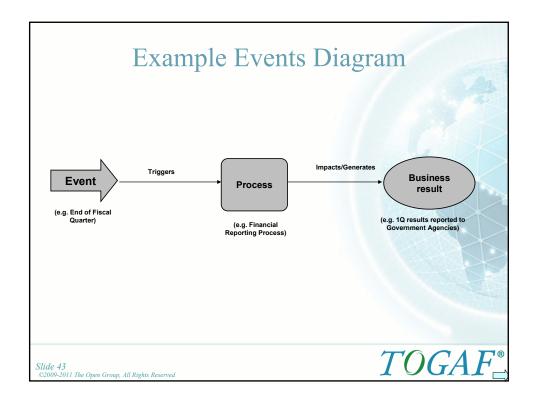




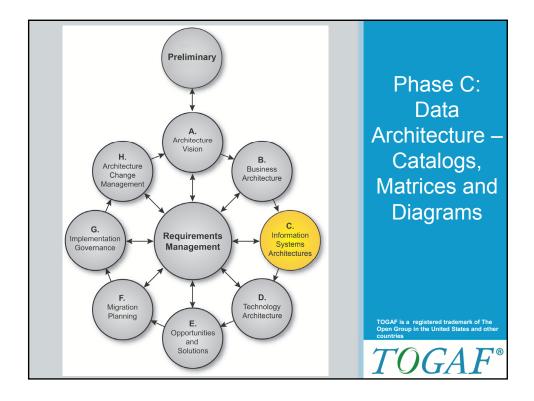


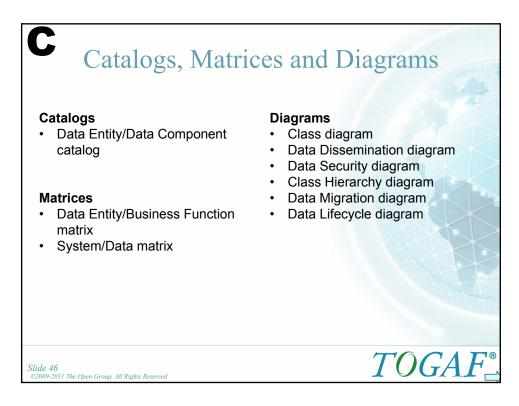




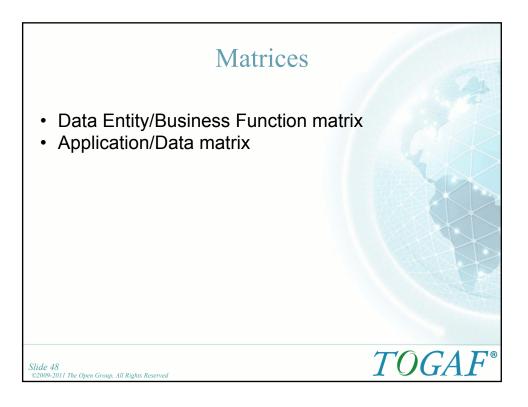


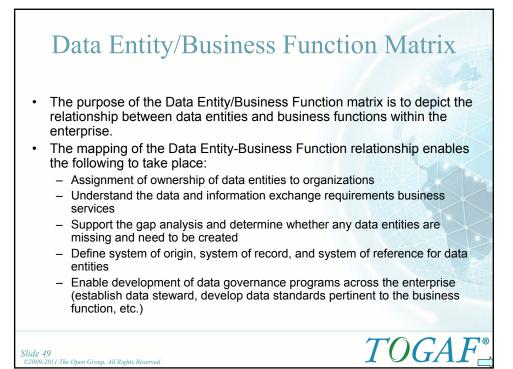
	-	
EVENT	PROCESS TRIGGERED	BUSINESS RESULT(S)
Customer submits sales order	Sales order processing Create & save sales order Generate acknowledgement Confirm receipt of customer order Begin order fulfillment activities	Sales order captured in order book
Customer submits request for custom product	Custom product configuration Capture requirements from customer Define custom specifications Price custom configuration Negotiate with customer Secure approval from customer regarding configuration and price	 Custom product configured Customer contract signed
End of quarter	Financial reporting process	 Financial report generated



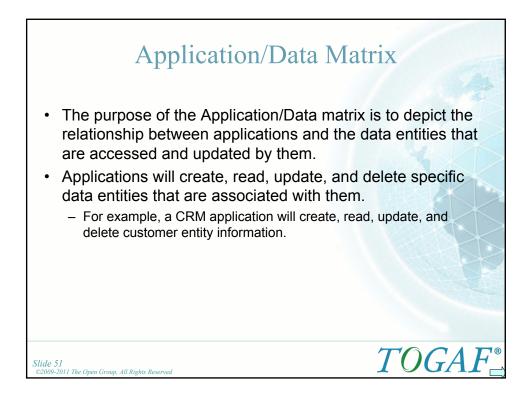


Catalogs			
Catalog	Purpose		
•Data Entity/Data Component Catalog	To identify and maintain a list of all the data use across the enterprise, including data entities and also the data components where data entities are stored. It contains the following metamodel entities: •Data Entity •Logical Data Component •Physical Data Component		
lide 47 22009-2011 The Open Group, All	Rights Reserved TOGAF		

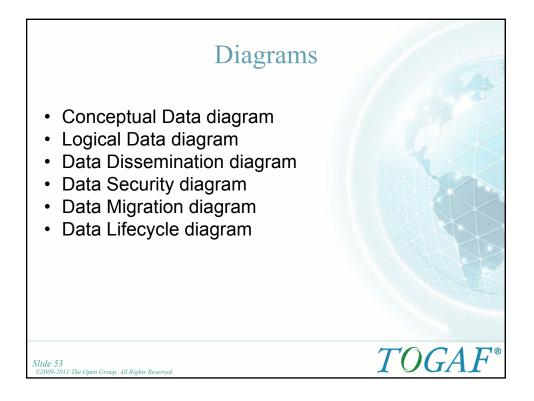


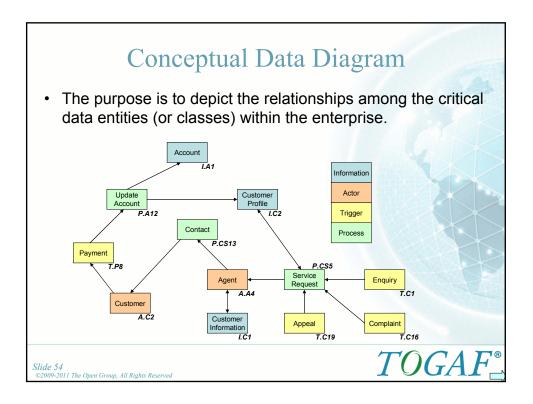


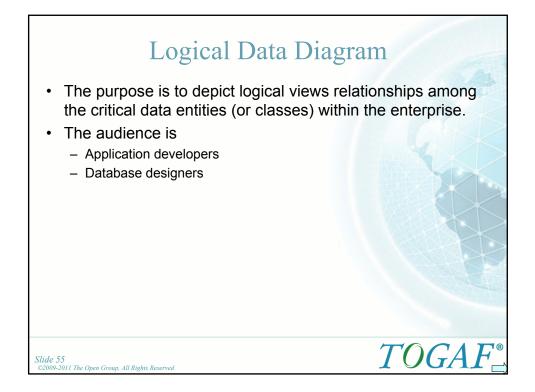
Matrix						
BUSINESS FUNCTION (Y-AXIS) / DATA ENTITY (X- AXIS)	CUSTOMER MASTER	BUSINESS PARTNER	CUSTOMER LEADS	PRODUCT MASTER		
Customer Relationship Management	 Business partner data management service Owner – Sales & Marketing business unit executive Function can Create, read, update and delete customer master data 	 Business partner data management service Owner of data entity (person or organization) Function can Create, read, update and delete 	Lead Processing Service Owner – Customer Relationship Manager Function can only Create, read, update customer leads	* N/A		
Supply Chain Management	Customer Requirement Processing Service Owner – Supply Chain Manager	* N/A	= N/A	 Product data management service Owner – Global product development organization 		

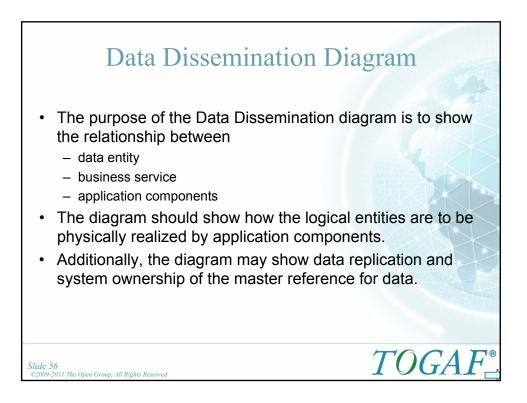


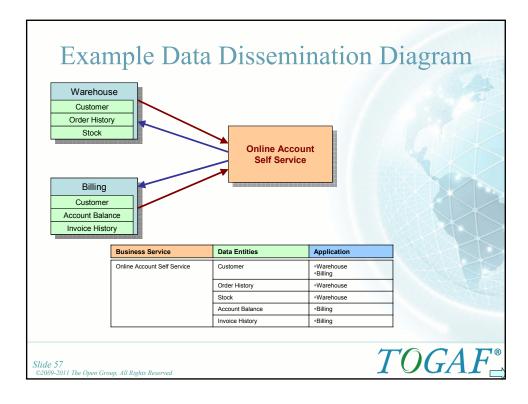
APPLICATION (Y- AXIS) AND DATA (X- AXIS)	DESCRIPTION OR COMMENTS	DATA ENTITY	DATA ENTITY TYPE
CRM	 System of record for customer master data 	Customer data	•Master data
Commerce Engine	 System of record for order book 	Sales orders	 Transactional data
Sales Business Narehouse	■Warehouse and data mart that supports North American region	 Intersection of multiple data entities (e.g. All sales orders by customer XYZ and by month for 2006) 	Historical data

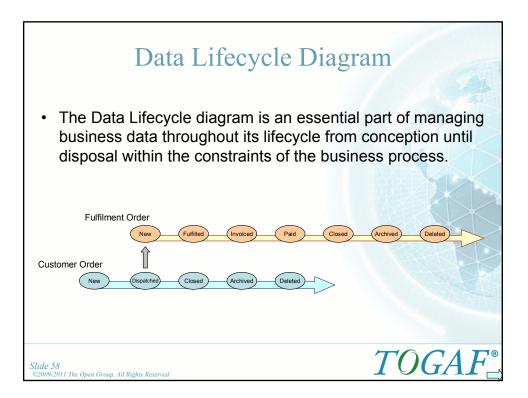


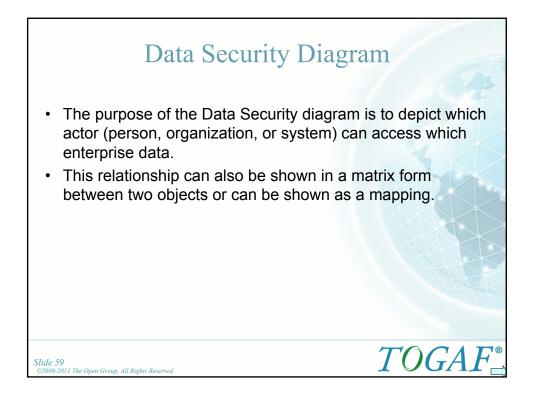


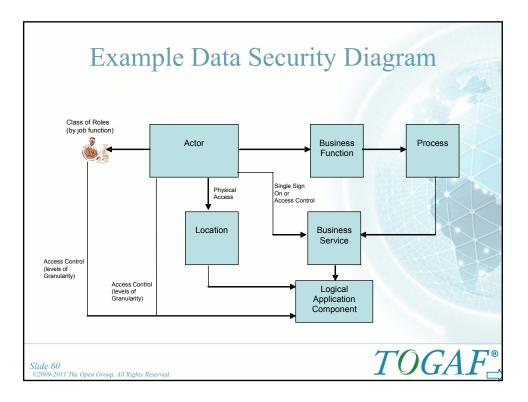




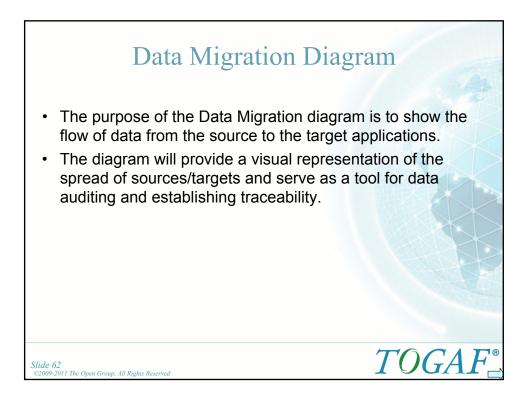


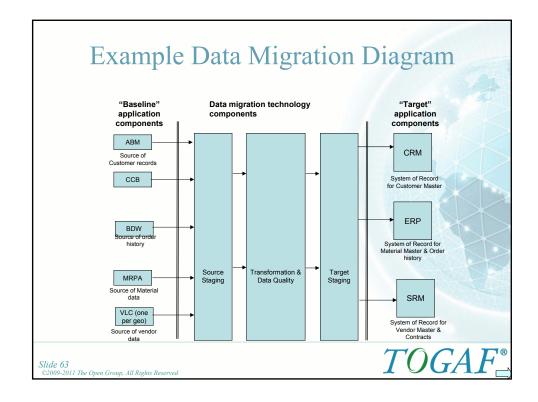




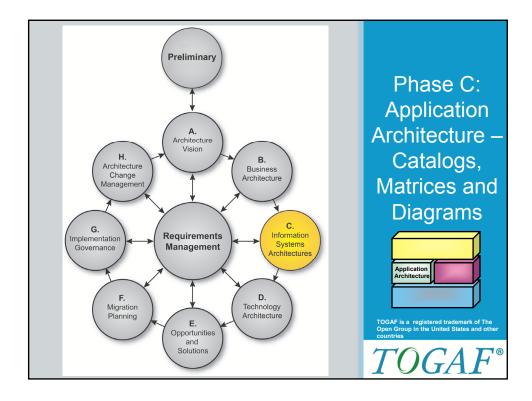


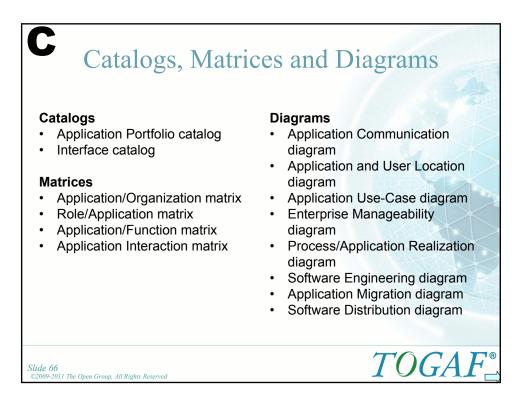
ACTOR	CLASS OF ROLES (JOB FUNCTION)	FUNCTION	BUSINESS SERVICE		LOCATION		TYPE OF ACCESS
Financial Analyst	SOA Portfolio Financial Analyst	Financial Analysis	SOA portfolio service	•	NA (US, CA) EMEA (UK, DE) APJ		Physical Access Control (tables xyz only)
Procurement & Spend Analyst	Procurement Management and Control	WW Direct Procurement	Supplier portal Service	•	NA (US Midwest)		Access control
WW Contracts System (application)	Not applicable	WW Direct Procurement	Supplier Portal Service	-	LA	•	Access control (system to system)
WW Product Development (Org Unit)	Geo Brand Managers	WW Direct Procurement	Supplier Portal Service	-	WW (all Geos)	•	Access Control



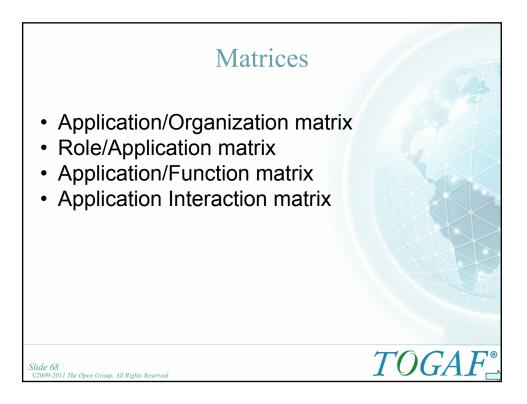


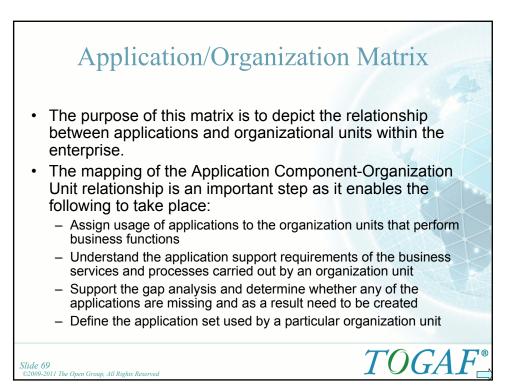
SOURCE LOGICAL APPLICATION COMPONENT	SOURCE DATA ELEMENT	TARGET LOGICAL APPLICATION COMPONENT	TARGET DATA ELEMENT
АВМ	Cust_Name	CRM	CUSTNAME
	Cust_Street_Addr	-	CUSTADDR_LINE1
	Cust_Street_Addr		CUSTADDR_LINE2
	Cust_Street_Addr	-	CUSTADDR_LINE3
	Cust_ContactName		CUSTCONTACT
	Cust_Tele		CUSTTELEPHONE

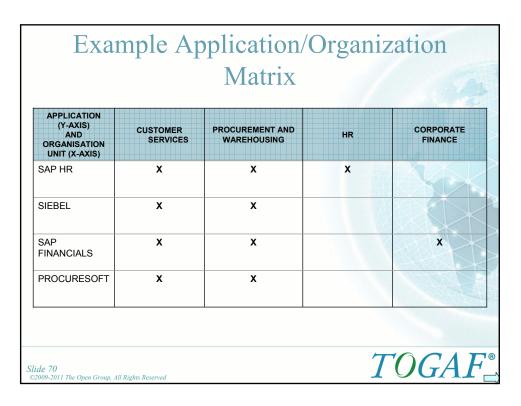


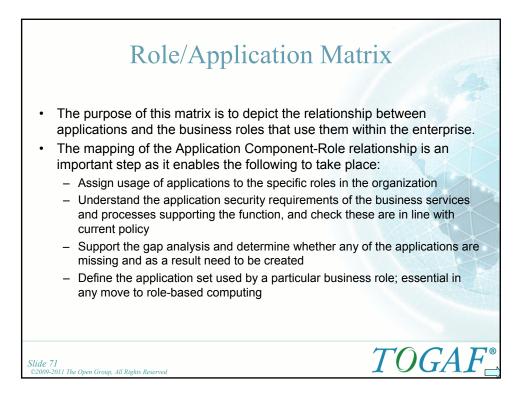


Catalog	Purpose		
Application Portfolio Catalog	To identify and maintain a list of all the applications in the enterprise. This list helps to define the horizontal scope of change initiatives that may impact particular kinds of applications. An agreed Application Portfolio allows a standard set of applications to be defined and governed.		
	It contains the following metamodel entities:		
	Information System Service		
	Logical Application Component		
	Physical Application Component		
Interface Catalog	The purpose of the Interface catalog is to scope and document the interfaces between applications to enable the overall dependencies between applications to be scoped as early as possible.		
	It contains the following metamodel entities:		
	Logical Application Component		
	Physical Application Component		
	Application communicates with application relationship		







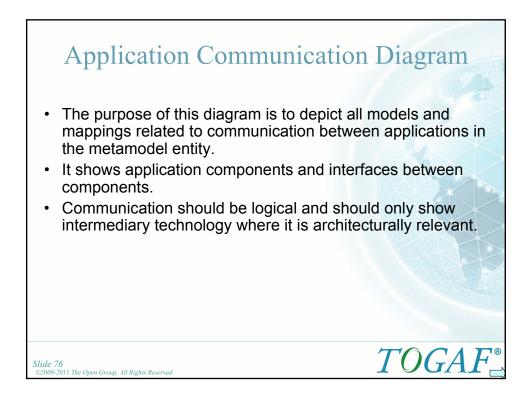


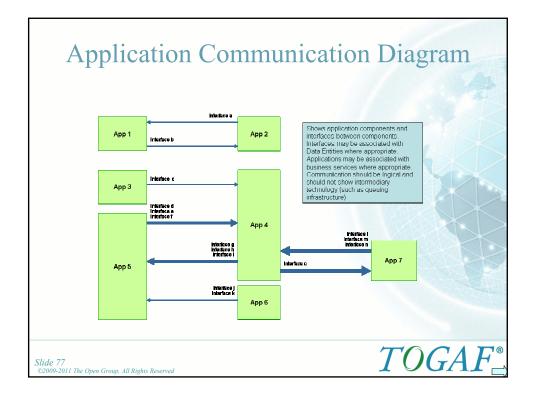
APPLICATION (Y- AXIS) AND FUNCTION (X- AXIS)	CALL CENTRE OPERATOR	CALL CENTRE MANAGER	FINANCE ANALYST	CHIEF ACCOUNTANT
SAP HR	X	X	x	x
SIEBEL	x	X		
SAP TINANCIALS	x	x	x	×
ROCURESOFT	x	x		

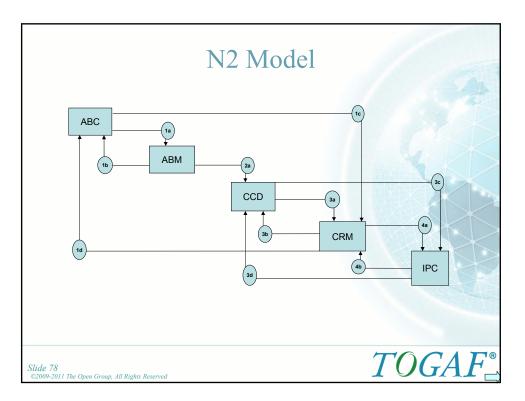


APPLICATION (Y- AXIS) AND FUNCTION (X- AXIS)	CALL CENTRE 1 ST LINE	WAREHOUSE CONTROL	VACANCY FILLING	GENERAL LEDGER MAINTENANCE
SAP HR	X	X	x	X
SIEBEL	x	x		
SAP FINANCIALS	x	x		X
PROCURESOFT	x	x		

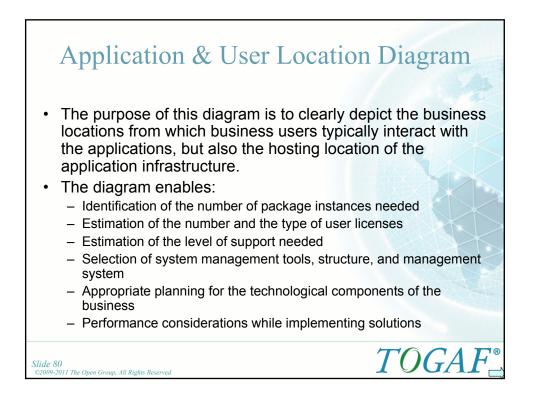
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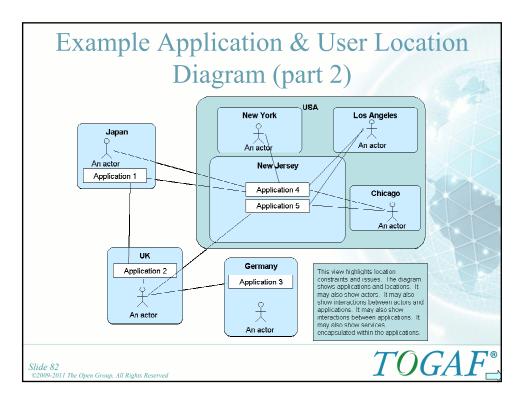


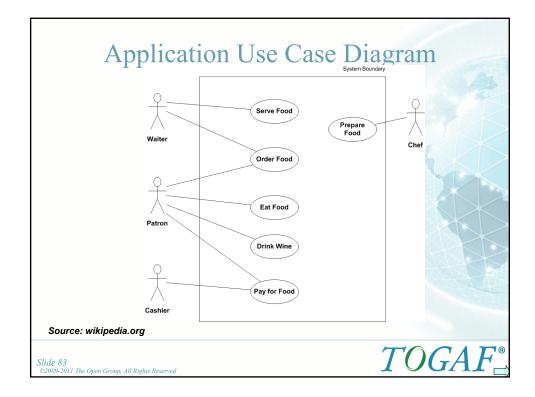


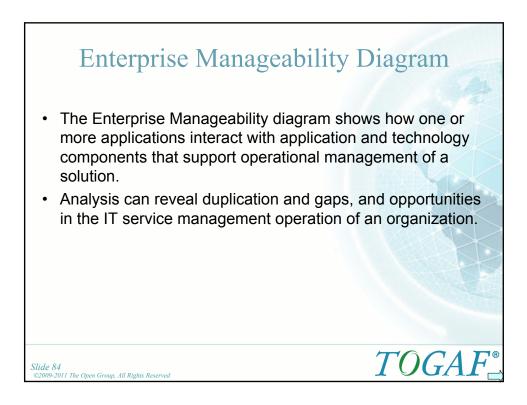
LABEL	SOURCE	DESTINATION	DATA ENTITY	EVENT TRIGGERED
1a	= ABC	= ABM	 Sales order (create request) 	 New sales order from front end
1b	= ABM	= ABC	 Sales order (confirm create) 	 Order created in the backend ERP system
2a	= ABM	- CCD	 Product catalog 	 Subscribe/ Publish timer

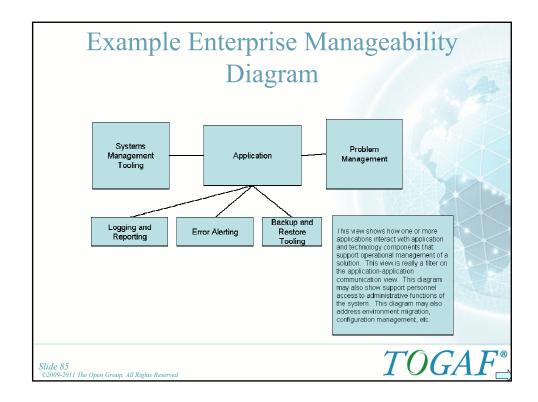


APPLICATION	USER TYPE	INTERNAL, CUSTOMER OR PARTNER	USER BUSINESS LOCATION	LOCATION ADDRESS	ORG UNIT (USEF BELONGS TO)
CRM	Developer Super User Administrator	Internal	NA Western Region EMEA Headquarter S, UK	Chicago Sears tower office Chicago Downtown office Middlesex, London	NA Sales & Marketing EMEA Sales
SAP R/3	Test Engineers Mechanical Engineers Procurement managers	Internal	Beijing Manufacturin g Plant		Manufacturing & logistics

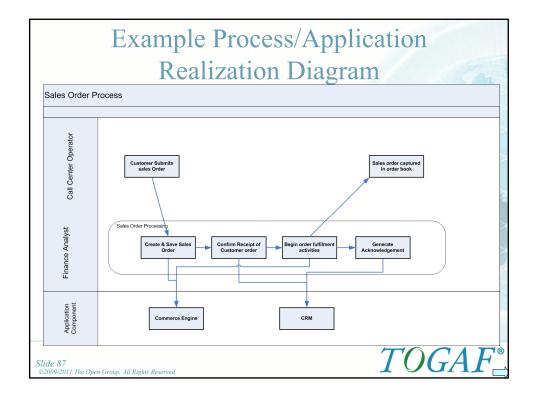


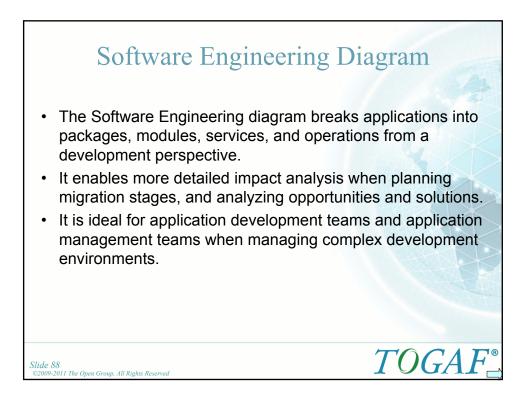


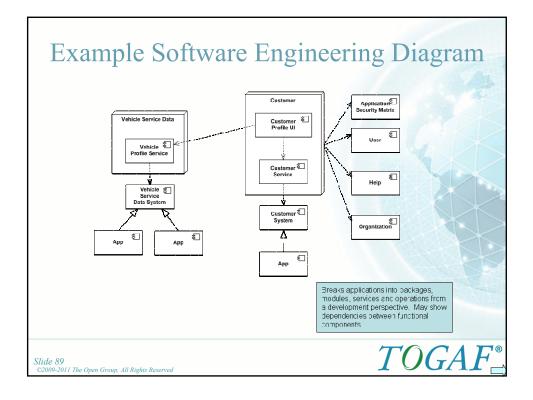


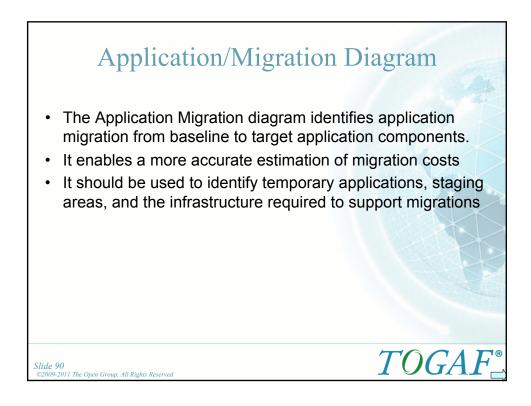


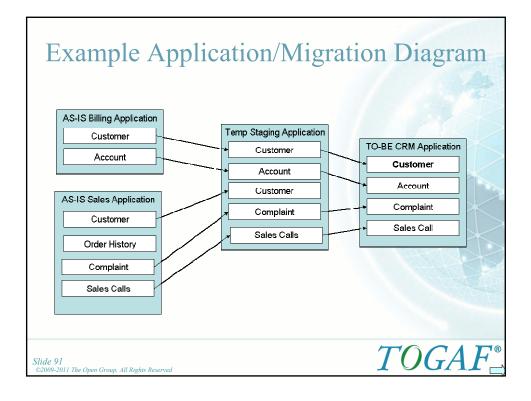


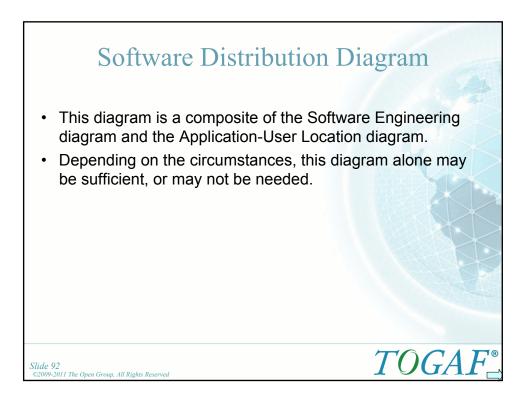


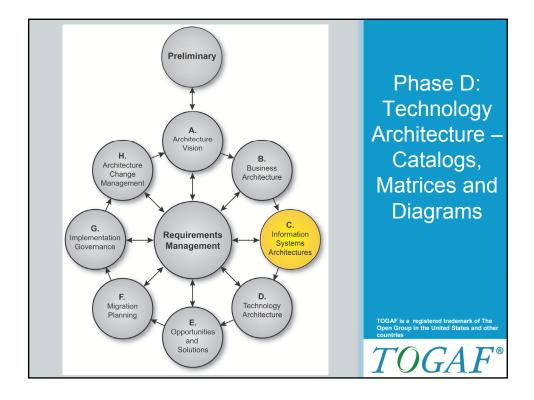


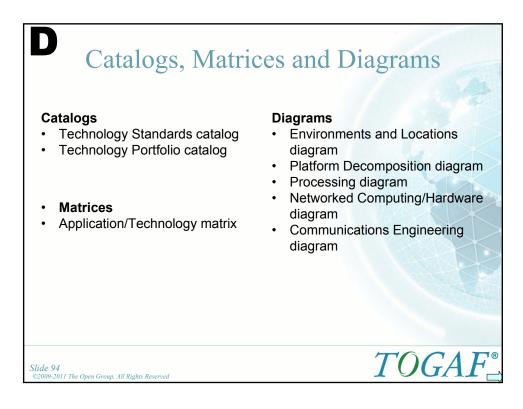








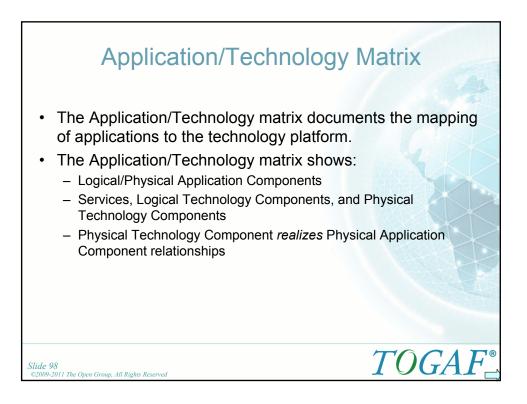




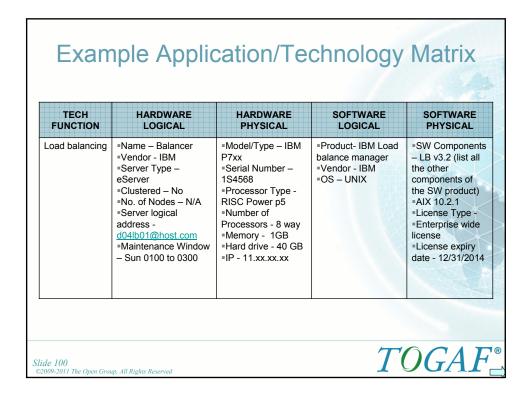


Catalogs			
Catalog	Purpose		
Technology Standards Catalog	This documents the agreed standards for technology across the enterprise covering technologies, and versions, the technology lifecycles, and the refresh cycles for the technology.		
	It can be implemented as an extension to the Technology Portfolio Catalog and thus will share the same metamodel entities: •Platform Service, Logical Technology Component, Physical Technology		
	Component		
Technology Portfolio Catalog	This catalog identifies and list all the technology in use across the enterprise, including hardware, infrastructure software, and application software. An agreed technology portfolio supports lifecycle management of technology products and versions and also forms the basis for definition of technology standards		
	It contains the following metamodel entities:		
	•Platform Service, Logical Technology Component, Physical Technology Component		

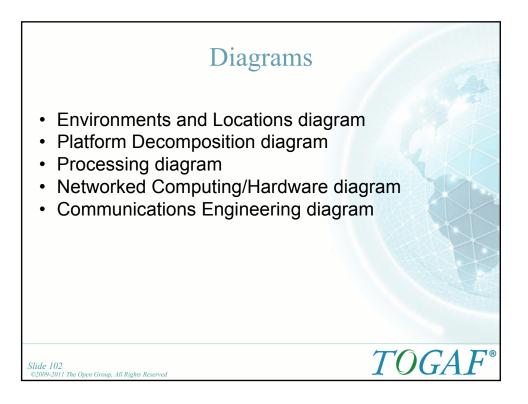


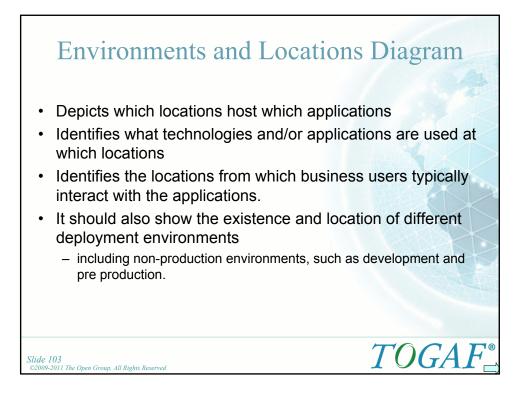


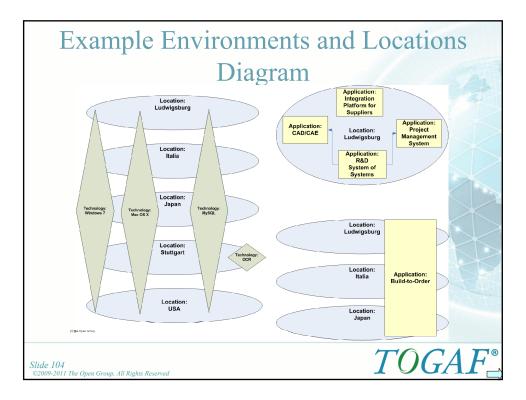
			TECHNOLOGY COMPONENT	APPLICATION COMPONENT
	10.xx.xx.xx	F01ws001@host.com	Web server - node 1	ABM
AN ANY	10.xx.xx.xx	F01ws002@host.com	Web server - node 2	
	10.xx.xx.xx	F01ws003@host.com	Web server - node 3	
	10.xx.xx.xx	F02as001@host.com	App server – node 1	
	10.xx.xx.xx	F02as002@host.com	App server – node 2	
	10.xx.xx.xx	F02as003@host.com	App server – node 3	
	10.xx.xx.xx	F02dbp001@host.com	Database server (production)	
A STORES	10.xx.xx.xx	F03dbs001@host.com	Database server (stating)	
	242.xx.xx.xx	F03nd001@host.com	Dispatcher server	oad balancer and Dispatcher
	10.xx.xx.xx 10.xx.xx.xx	F02dbp001@host.com F03dbs001@host.com	Database server (production) Database server (stating)	Load balancer and

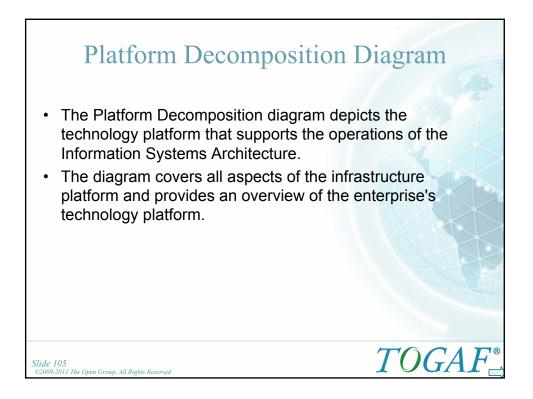


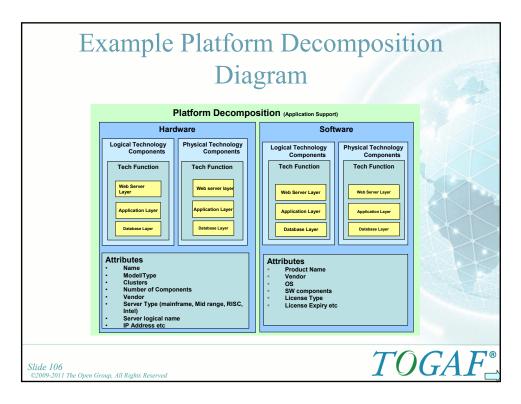
APPLICATION COMPONENT	DEPLOYMENT UNIT	TECHNOLOGY COMPONENT
Load Balancer	 Smart dispatch v1.2 (both installation and execution code) 	Load balancing server (d03lb001@host.com)
Commerce pages	=HTML code =Applets =JSP	•Web Server cluster (d03ws001@host.com, d03ws002@host.com, d03ws003@host.com)
Commerce Engine	•Order Entry (both installation and execution code) •Shopping Cart (both installation and execution code)	•Application Server (d03as001@host.com, d03as002@host.com)

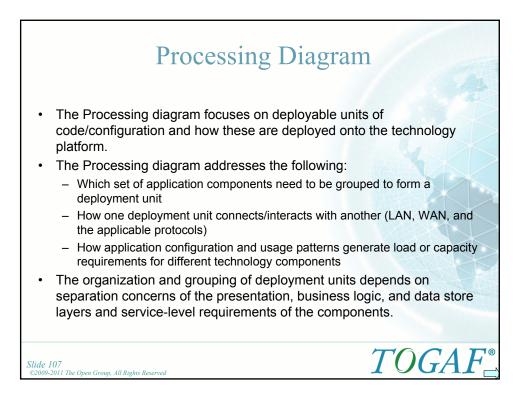


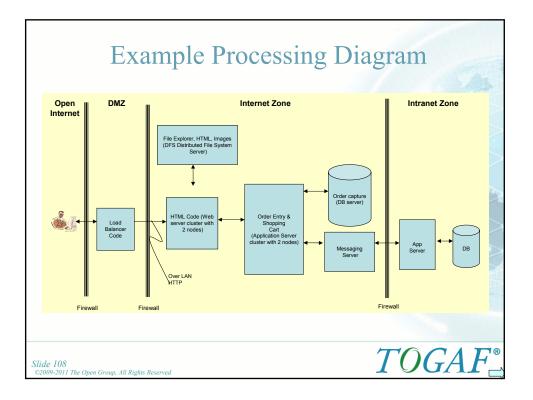


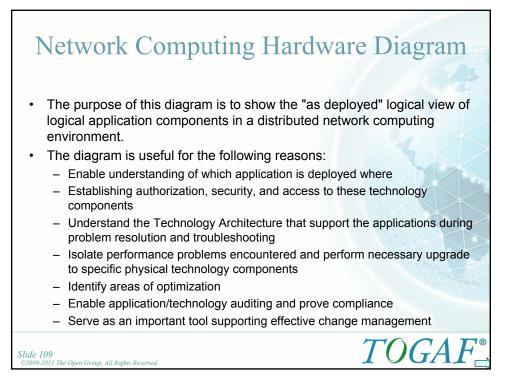


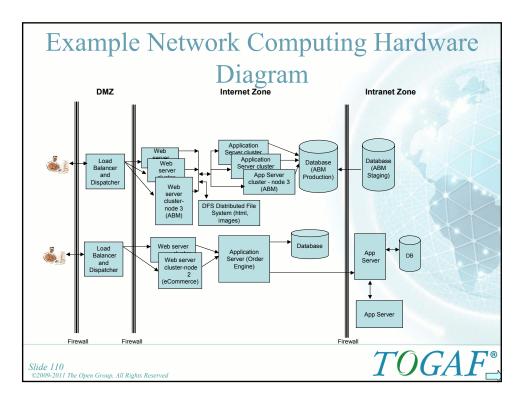


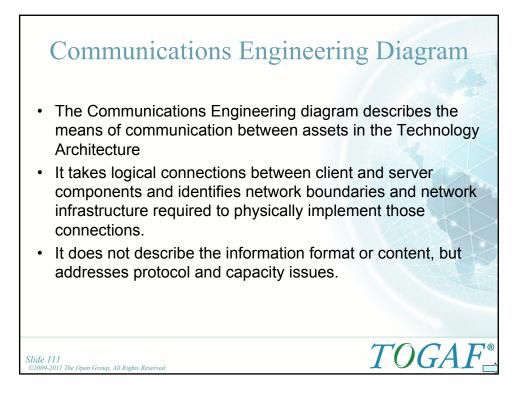


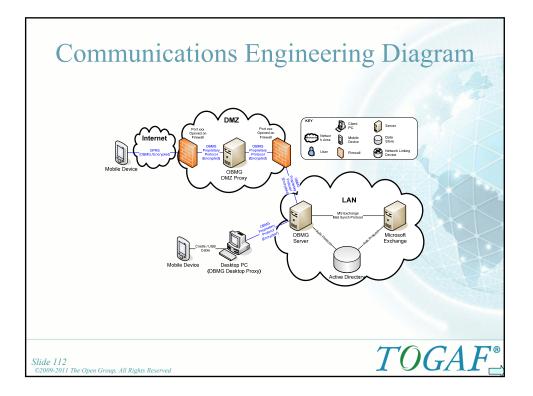


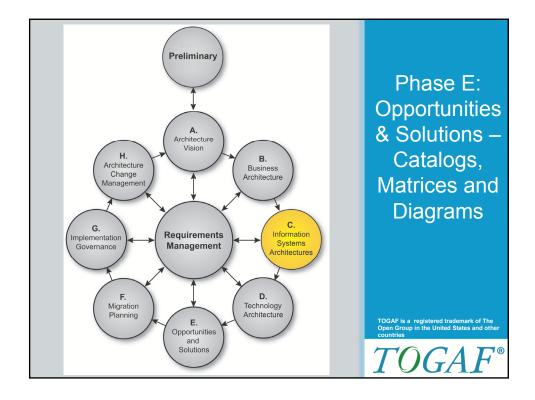


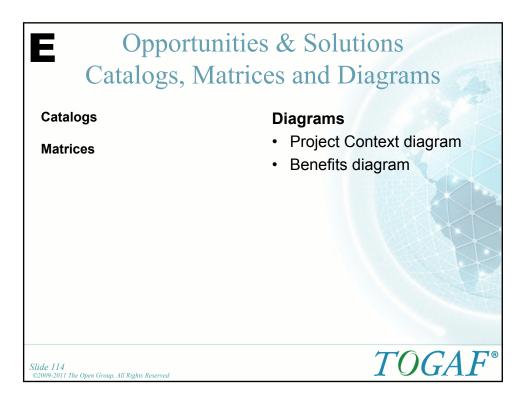


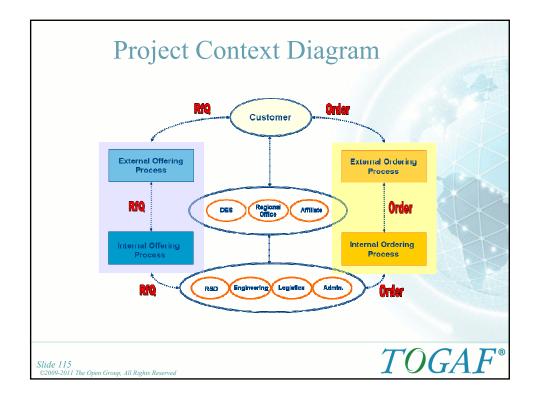


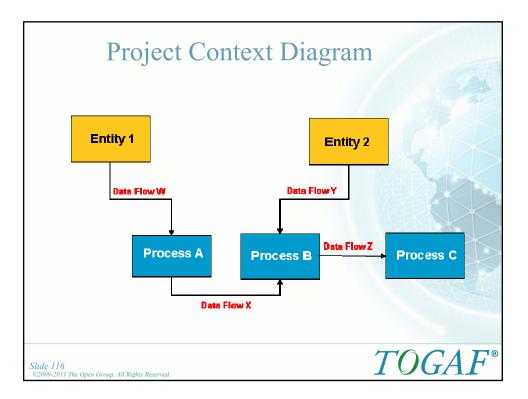


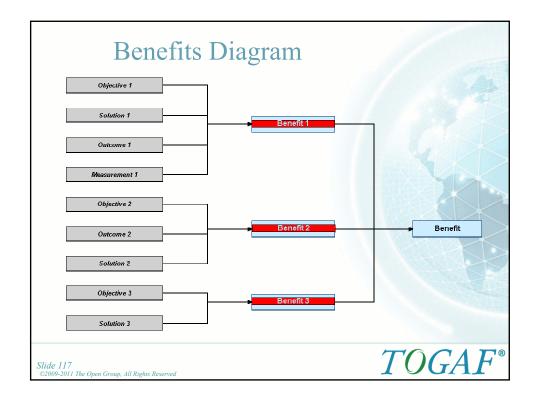


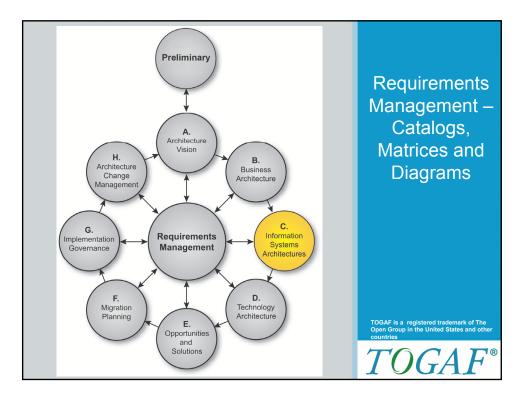


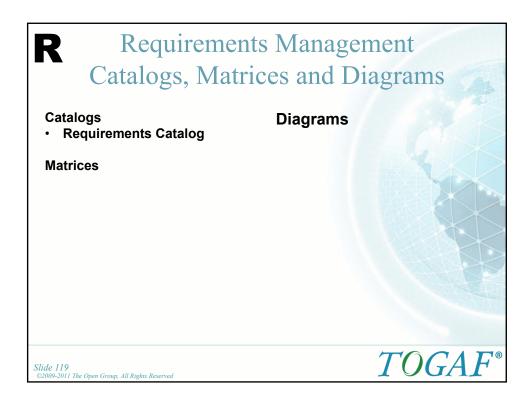












Catalog	Purpose
Requirements Catalog	The Requirements catalog captures things that the enterprise needs to do to meet its objectives. Requirements generated from architecture engagements are typically implemented through change initiatives identified and scoped during Phase E (Opportunities & Solutions). Requirements can also be used as a quality assurance tool to ensure that a particular architecture is fit-for-purpose (i.e., can the architecture meet all identified requirements).
	The Requirements catalog contains the following metamodel entities:
	* Requirement
	* Assumption
	* Constraint
	* Gap



