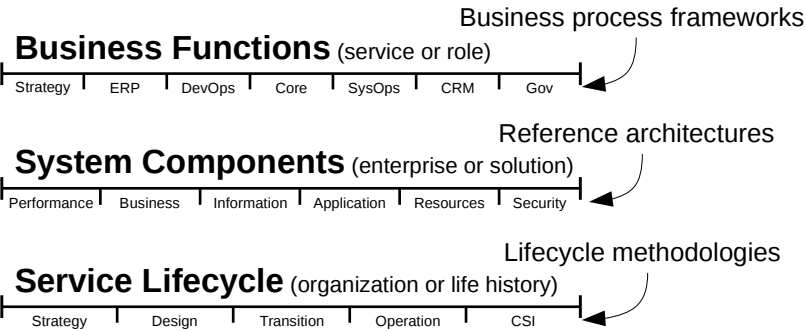# A Whole-Enterprise Architecture Framework: Construction
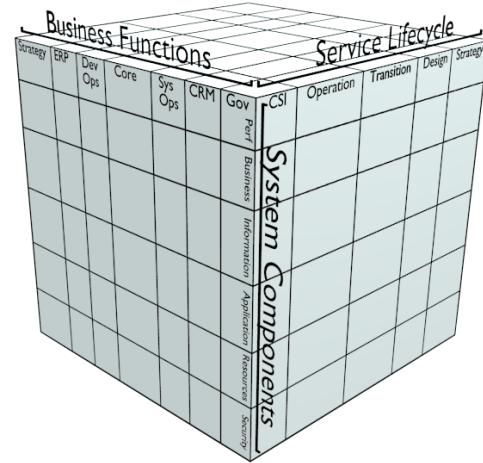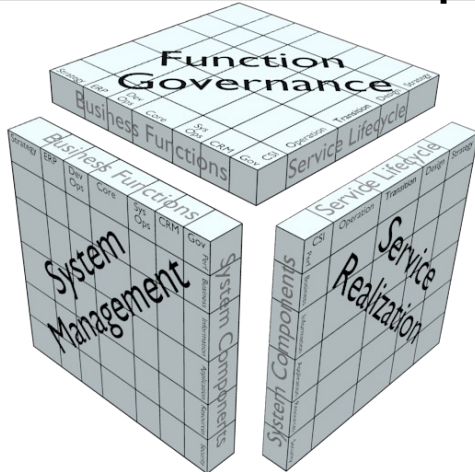
1) Define Enterprise Dimensions and Align Standards

Business process frameworks

Business Functions (service or role)

| Strategy | ERP | DevOps | Core | SysOps | CRM | Gov |

Reference architectures

System Components (enterprise or solution)

| Performance | Business | Information | Application | Resources | Security |

Lifecycle methodologies

Service Lifecycle (organization or life history)

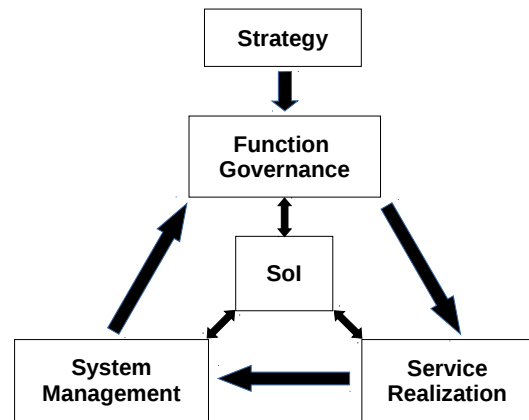| Strategy | Design | Transition | Operation | CSI |

2) Assemble Enterprise Model

3) Derive Assurance Viewpoints

4) Construct Assurance Ecosystem

Strategy → Function Governance → SoI → System Management → Service Realization → Function Governance

5) Create Requirement Specification Template and Methodology

Recurse up and across enterprise

Recurse by service decomposition

Iterate on stakeholders

Recurse by system decomposition

Iterate on change management

Identify SoI → Identify Attributes → Gather Enterprise Reqs → Validate Assurance Reqs → Gather Solution Reqs → Enter Transition

SoI attributes	<SoI attributes>	<values>	<specification guidance derived from attributes>				
Enterprise requirements	<SoI services decomposition> . . .	<Enterprise layers>					
		<reqs>					
Assurance requirements	<Assurance viewpoint services regarding SoI>	<Enterprise layers>					
Solution requirements	<Enterprise services and solution components decomposition>	<Solution reference architecture layers/components>					
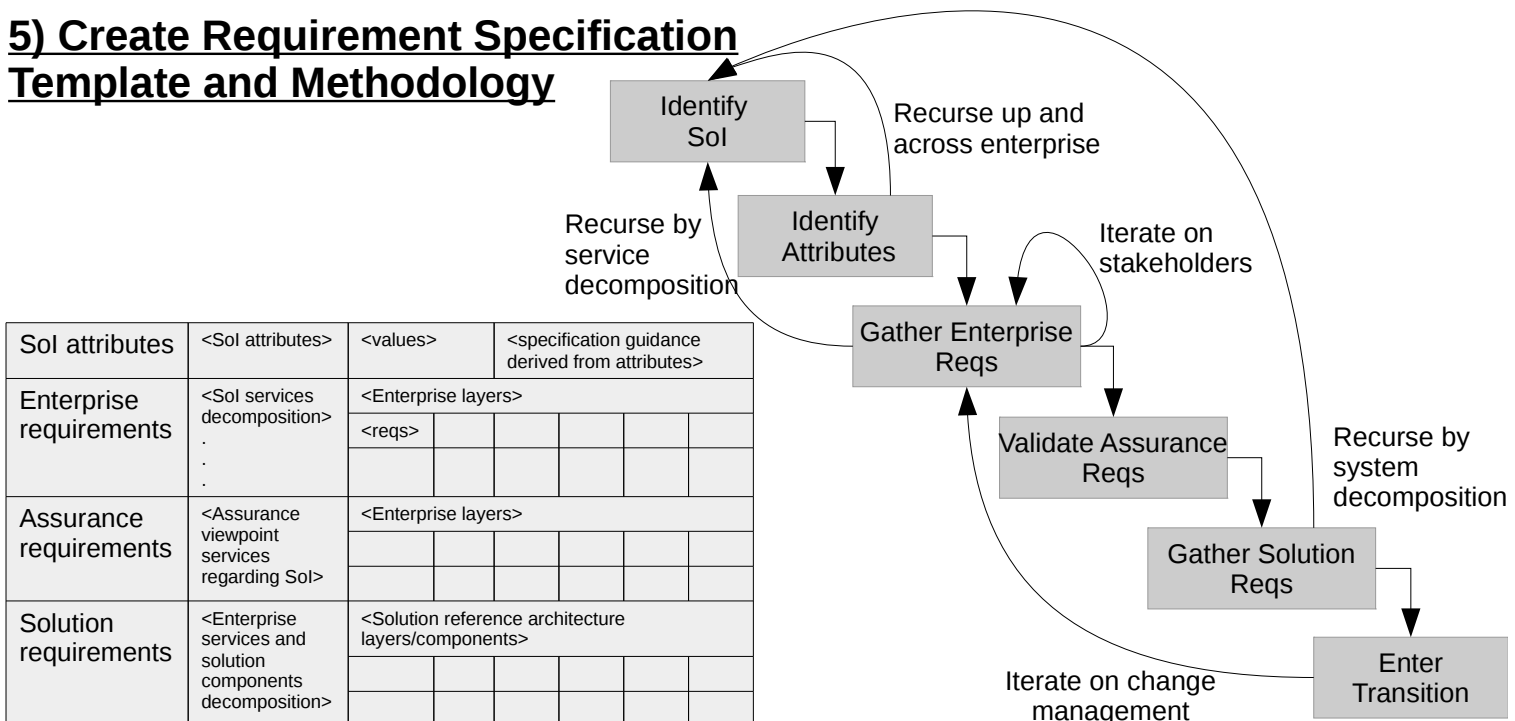
A Whole-Enterprise Architecture Framework: Usage

1) Initialize the model
- Select and align standards
- Define the enterprise and owner as initial entities of interest (SoI)
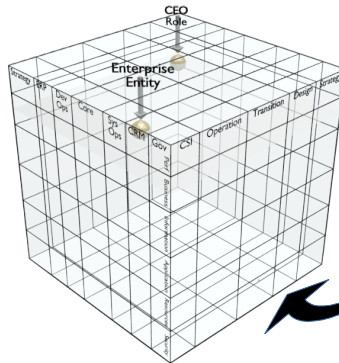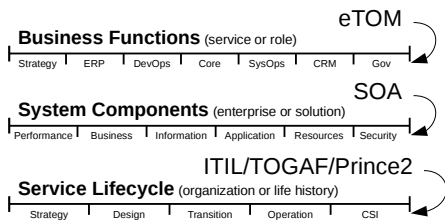
2) Populate the model
- Identify SoI
- Specify attributes
  - Position SoI in model
  - Establish trace links
- Specify requirements
  - Iterate on stakeholders and change management
 - Recurse on decomposition
- Update with instance details

3) Generate Views
- Select viewpoints by projections and restrictions on dimensions
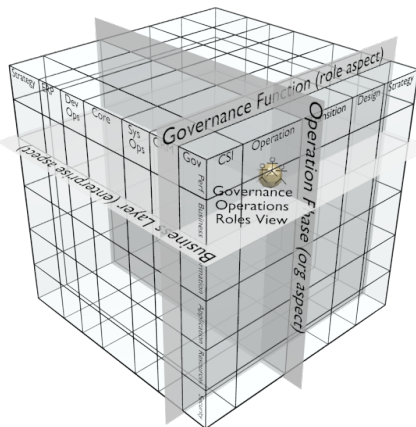
4) Exchange requirements
- Client defines and exports SoI enterprise requirements for partner
  - Attributes referencing alignment-level dimension elements
  - Applicable requirements, standards, design guidance, and success criteria
- Partner exports SoI instance information for client model update and proof of compliance
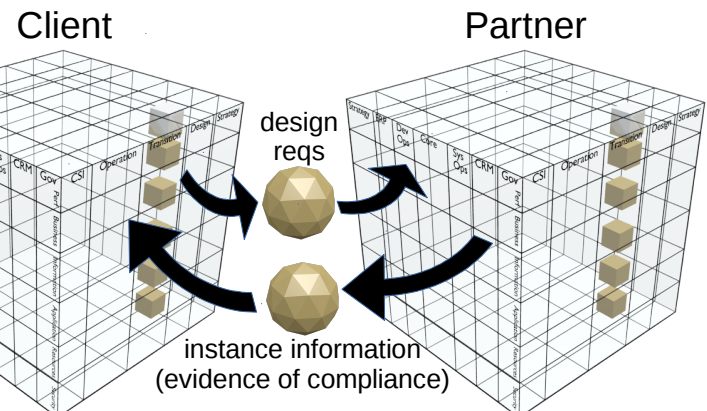
5) Merge/reconcile models
- Export participant models
- Import to merged model
- Analyse and reconcile redundancies