

Prelim Framework And Principles

Input	Step	Output
<ul style="list-style-type: none"> TOGAF Architecture Development Method Other architecture frameworks, if required Business Strategy, Business Principles, Business Goals and Business Drivers, when pre-existing IT Governance Strategy, when pre-existing Architecture Principles, when pre-existing Principles that are being subscribed to, arising from other, federated architectures 	<ul style="list-style-type: none"> Not specific (Must adapt) 	<ul style="list-style-type: none"> Framework Definition Architecture Principles Restatement of, or reference to, Business Principles, Business Goals and Business Drivers

Input	Step	Output
<ul style="list-style-type: none"> Request for Architecture Work Business Strategy, Business Principles, Architecture Principles (when pre-existing) Enterprise Continuum - existing architectural documentation (framework description, architectural descriptions, existing baseline descriptions, etc.) 	<ul style="list-style-type: none"> Not specific (Must adapt) 	<ul style="list-style-type: none"> Framework Definition Architecture Principles Restatement of, or reference to, Business Principles, Business Goals and Business Drivers

Input	Step	Output
<ul style="list-style-type: none"> Request for Architecture Change - technology changes New technology reports Asset Management cost reduction initiatives Technology withdrawal reports Standards initiatives Request for Architecture Change - business changes Business developments Business exceptions Business Innovations Business technology innovations Strategic change developments 	<ul style="list-style-type: none"> Monitor technology changes Monitor business changes Assess changes and development of position to act Arrange meeting of Architecture Board (or other governing council) to decide on handling changes (technology and business) 	<ul style="list-style-type: none"> Architecture updates Changes to Architecture Framework and Principles New Request for Architecture Work (to move to another cycle)

Input	Step	Output
<ul style="list-style-type: none"> Request for Architecture Work Approved Statement of Architecture Work / Project Definition Refined statements of Business Goals and Strategic Drivers Architecture Principles, including Business Principles when pre-existing Enterprise Continuum Architecture Vision / Business Scenario, including: <ul style="list-style-type: none"> Baseline: Business, Data, Application and Technology Architecture Version 0.1 Target Business, Data, Application and Technology Architecture Version 0.1 	<ul style="list-style-type: none"> Develop Baseline Business Architecture Description Select reference models, viewpoints, and tools Create business models per view Select business architecture Building Blocks Conduct formal Checkpoint Review Review non-functional (qualitative) criteria Complete Business Architecture Gap Analysis 	<ul style="list-style-type: none"> Statement of Architecture Work Validated Business Principles, Business Goals, and Strategic Drivers Baseline Business Architecture - Version 1 Target Business Architecture - Version 1 Key Stakeholder Views Gap Analysis Technical requirements: identifying, categorizing and prioritizing Business Architecture Report Updated Business Requirements

A Architecture Vision

H Architecture Change Management

B Business Architecture

Input	Step	Output
<ul style="list-style-type: none"> Request for Architecture Work Statement of Architecture Work Re-usable solutions building blocks (from organization's Solutions Continuum, if available) Impact Analysis - Detailed Implementation and Migration Plan (including Architecture Implementation Contract, if appropriate) 	<ul style="list-style-type: none"> Project recommendation formulation, for each separate implementation project of the following: <ul style="list-style-type: none"> document scope of individual project in Impact Analysis document strategic requirements from the architectural perspective in Impact Analysis document change requests (such as support for a standard interface) in Impact Analysis document rules for performance in Impact Analysis document time-line requirements from road-map in Impact Analysis Document Architecture Contract obtain signature from all developing organization and sponsoring organization On-going implementation governance and architecture compliance review. 	<ul style="list-style-type: none"> Impact Analysis - implementation recommendations Architecture Contract, as recommended in Part IV, Architecture Contracts The architecture-compliant implemented system

G Implementation Governance

Requirements Management

C Information Systems Architecture

Input	Step	Output
<ul style="list-style-type: none"> Applications Principles (if existing) Data Principles (if existing) Request for Architecture Work Statement of Architecture Work Architecture Vision Enterprise Continuum - existing Business Baseline - Version 1 (detailed) - if appropriate Target Business Architecture - Version 1 (detailed) Baseline Application & Data Architecture Version 0.1 Target Application & Data Architecture Version 0.1 Relevant technical requirements that will apply to this phase Gap analysis (from Business Architecture) Re-usable building blocks (from organization's Architecture Continuum, if available) 	<ul style="list-style-type: none"> Develop Architecture Baseline Description <ul style="list-style-type: none"> Data: Complete existing architecture baseline App: Plain language description of what application does (not how it does it) Review and validate Principles Select Reference Models, Viewpoints, Tools Create Architecture Model(s) per viewpoint Data: Select Architecture Building Blocks Application: Identify candidate applications Conduct formal Checkpoint Review of Architecture Models and building blocks Review Non-Functional (Qualitative) Criteria Complete the Data Architecture Checkpoint / Impact analysis Perform Gap Analysis and Report 	<ul style="list-style-type: none"> Statement of Architecture Work Baseline Data / Application Architecture - Version 1 Target Data / Application Architecture - Version 1 Validate Principles or new data/application principles Data views Application Views Technical Requirements for this development cycle Data / Application Architecture Report Gap Analysis Report for Data / Applications Impact Analysis Updated Business Requirements

F Migration Planning

E Opportunities And Solutions

D Technology Architecture

Input	Step	Output
<ul style="list-style-type: none"> Request for Architecture Work Statement of Architecture and Migration Plan, including Architecture Implementation Contract (if appropriate) Target Business Architecture, Version 1.0 Target Data Architecture, Version 1.0 Target Applications Architecture, Version 1.0 Target Technology Architecture, Version 1.0 Impact Analysis - Project List 	<ul style="list-style-type: none"> Prioritize projects Estimate resource requirements and availability Perform cost / benefit assessment of the various migration projects Perform risk assessment Generate implementation roadmap (time-line) Document the Migration Plan 	<ul style="list-style-type: none"> Impact Analysis - Detailed Implementation and Migration Plan, including Architecture Implementation Contract (if appropriate)

Input	Step	Output
<ul style="list-style-type: none"> Technology Principles (if existing) Baseline Technology Architecture, Version 0.1 (from Phase A) Target Technology Architecture, Version 0.1 (from Phase A) Request for Architecture Work Statement of Architecture Work Architecture Vision Relevant technical requirements from previous phases Gap analysis results (from Data Architecture) Gap analysis results (from Applications Architecture) Baseline Business Architecture - Version 1.0 (detailed) - if appropriate Baseline Data Architecture Version 1.0 - if appropriate Baseline Applications Architecture Version 1.0 - if appropriate Target Business Architecture - Version 1.0 (detailed) Target Data Architecture Version 1.0 Target Applications Architecture Version 1.0 Re-usable building blocks from organization's Enterprise Continuum, if available 	<ul style="list-style-type: none"> Develop Baseline Technology Architecture Description Consider viewpoints Create model of building blocks Select services portfolio per building block Confirm business goals and objectives achieved Determine criteria for specification selection Complete architecture definition Conduct Gap Analysis 	<ul style="list-style-type: none"> Statement of Architecture Work (updated if necessary) Baseline Technology Architecture, Version 1.0 - if appropriate Validated Technology Principles, or new Technology Architecture Technology Architecture Report, summarizing what was done and the key findings Target Technology Architecture Version 1.0 Technology Architecture - gap report Viewpoints addressing key stakeholder concerns Views corresponding to the selected viewpoints

Input	Step	Output
<ul style="list-style-type: none"> Request for Architecture Work Statement of Architecture Work Target Business Architecture, Version 1 Target Data Architecture, Version 1 Target Applications Architecture, Version 1 Target Technology Architecture, Version 1 Re-usable architecture building blocks (from organization's Enterprise Continuum, if available) Product information 	<ul style="list-style-type: none"> Identify the key business drivers constraining the sequence of implementation (for example, reduction of costs, consolidation of services; introduction of new customer services; etc.) Review the gap analysis generated in Phase D. Brainstorm technical requirements from a functional perspective Brainstorm co-existence and interoperability requirements Perform architecture assessment and gap analysis Identify major work packages or projects, and classify as new development, purchase opportunity, or reuse of existing system. 	<ul style="list-style-type: none"> Implementation and migration strategy High-level implementation plan Impact Analysis - Project list