Define a target architecture

Step	Objective	Input	Output	Remarks
1. Create a baseline description in the TOGAF format	Convert the description of the existing system into services terminology using TOGAF terms. Capture relevant parts of existing architecture as candidates for re-usable building blocks. Assess existing architecture against business requirements, identifying key inhibitors and opportunities for re-use. Capture implicit or explicit architecture principles to be carried forward and imposed on this architecture exercise.	Baseline Description from Phase B Candidate building blocks - Business Process Driven List and Baseline Driven List.	A description of the current system in the terms used within TOGAF. List of key questions to test merits of the architecture Reusable Architecture Building Blocks from the existing system. Reusable architecture principles.	This step is required to recognize the separation of product documentation from services provided by products in order to specify service standards for the target.
2. Consider different architectural views	Perform a complete analysis of the existing and target system from a number of different angles or views, and document each relevant view in a model.	Existing Baseline description in TOGAF terms from step 1. Business requirements and key system and architecture drivers from Phase A.	A description of the constraints each view imposes on the target architecture. A model for each view, including both a model of functions and a model of services. A rationale for each decision taken, including rationales for decisions not to do something.	Ensure that all relevant aspects of the final architecture are considered so that the target system will meet all specified and derived requirements. This is performed in two steps: first by views of the current baseline second through views of the target program This is used to: 1) identify constraints 2) understand relationships and objectives 3) recognize elements being retained or eliminated.

3. Create a broad architectural model of building blocks	Broadly to determine how the target system will be implemented.	Baseline in TOGAF terms from step 1. Constraints/objectives derived from views from step 2. TOGAF TRM. The models of functions and services from step 2.	A high level description of the model(s) to be used within the target architecture An architecture model of building blocks. A rationale for each building block decision. Extensions or amendments to be incorporated in an organization-specific TRM.	Gain general understanding of the architectural issues, particularly those dedicated by constraints
4. Select the services portfolio required per building block	Select service portfolios for each building block generated above from the service categories in the TRM. Recognize organization specific services not addressed in TOGAF TRM	Target architecture model in broad terms from step 3. Constraints from step 2. TOGAF TRM. Target Architecture model of building blocks Standards Information Base linked in Chapter 5	A description of the service portfolios required within the target architecture (also known as an Organization Specific Framework) Extensions or amendments to be incorporated in an organization-specific TRM.	This is required as a pre-requisite to the later step of defining the architecture fully

Step	Objective	Input	Output	Remarks
5. Confirm that the business goals and objectives are met	To clarify and check the business goals and other objectives of implementing the architecture	Target architecture model in broad terms from step 3. Organization specific framework from step 4. Business goals from Phase A. Key question list developed in step 1. Details of the technical functionality of each Architectural Building Block. Information on which Architectural Building Blocks interwork with others and how.	A list of objectives and a description of how the emerging architecture meets them Answers to Key Questions List	Required as a cross check that the target architecture meets these obejctives
6. Determine criteria for specification selection	To develop a set of criteria for choosing the building blocks that make up the architecture	Organizational and external constraints from Phase B. Constraints from step 2. Governing architecture principles Standards Information Base linked in Chapter 5	A list of criteria for selecting the building blocks that will make up the fully populated final architecture A list of criteria for selection of portfolios of specifications	Required to ensure sufficient thought is given to the process of selecting the right components
7. Complete the architecture definition	To fully specify the target architecture by populating the organization specific architecture with detailed specifications, standards and specific products	TOGAF Standards Information Base. Organization specific framework from step 4.	A fully defined (by service) list of all the standards that make up the target architecture, and all the Architectural Building Blocks	

		Criteria for specification selection from step 6.	that will be used to implement it. A fully defined architecture (by building blocks) at the levels necessary to support implementation and enterprise wide strategic decision making and to support the next iteration of architectural definition process.	
8. Conduct a gap analysis	To identify areas of the current and target system for which provisions has not been made in the technical architecture	Organization specific populated framework from step 7. Baseline description from Phase B.	A gap analysis matrix	Required in order to identify projects to be undertaken as part of the implementation of the target system