

## Application Deliverables Matrix

	<u>Deliverable Name</u>	<u>Deliverable Format</u>	<u>Notes</u>
	<b><u>System Development Deliverables</u></b>		
	<b><u>Requirements Deliverables</u></b>		<b>No Requirements deliverables should be initiated for QCIL prior to QCIL and Sponsor signoff of Project Management deliverables</b>
1.	<b>Business Glossary</b>	<b>Word Document</b>	Depending on the project type and size (more than 15 use cases), the Project teams need to decide if deliverables 1, 2 and 3 would be provided as separate deliverables or these will be embedded in the BRD (deliverable 4).
2.	<b>Business Use Case Model</b> a. Use case diagram b. Use case specifications c. Actor Profile specification d. Business Rules specification e. Activity (workflow) Diagram for each Use case OR for the whole application	<b>UML Models/Diagrams and documentation</b>	
3.	<b>Initial Business (Conceptual) Data Model</b>	<b>ERD Model and documentation in Oracle Designer</b>	
4.	<b>High-level Business Requirements Document (BRD)</b>	<b>Word Template</b>	
	<b><u>Design Deliverables</u></b>		<b>No Architecture/Design deliverables should be initiated for QCIL prior to QCIL and Client signoff of the Requirements deliverables)</b>
5.	<b>Technical Architecture Document (Common document for all projects)</b>	<b>Ministry standard "pre-built" document.</b>  Project specific information, if any, to be added to the TA document by the project team.  Project Teams need to agree and sign the TA document prior to starting of design and development activities.	
6.	<b>Logical Database Design and System Data Model</b>	<b>Detailed ERD Model in Oracle Designer</b>	
7.	<b>System Use case model (System Use case diagram and System Use case specifications)</b>	<b>UML Model and documentation</b>	
8.	<b>System Process (Workflow) Model (UML Activity diagram)</b>	<b>UML Model</b>	
9.	<b>Application Architecture (AA) Document</b>	<b>Word Template</b>	

10.	<b>Application Design Deliverables</b> a. Package diagram b. Class Diagram c. Sequence Diagram d. User Interface diagram (screen mockups and Report layouts) e. Any other diagram related to the Application Design	<b>UML models, Diagrams/models in other format</b>	
11.	<b>Analysis, Design &amp; Architecture Document (ADA)</b>  <i>(Consolidates the BRD, TA, AA, Implementation Plan and Operations Support Guide in to a single document for low risk/small applications)</i>	<b>Word Template</b>	It is recommended to deliver the models/diagrams in metadata format rather than graphical format.
	<b><u>Implementation Strategy deliverables</u></b>		<b>No implementation strategy deliverables should be initiated for QCIL prior to QCIL and acceptance of the Architecture/Design deliverables</b>
12.	Data Conversion Strategy	Word Template	
13.	Testing Strategy	Word Template	
14.	Training and Support Strategy	Word Template	
15.	User Acceptance Test Plan	Test Cases (and Test Scripts, if applicable)	
	<b><u>Build Deliverables</u></b>		<b>No build-phase deliverables should be initiated by developers prior to QCIL and acceptance of the Architecture/Design deliverables</b>
16.	Physical Database Design	Server Model in Oracle Designer	
17.	Production Database DDL	SQL Scripts	
18.	Application Source Code	Source code with Code documentation, EAR files etc.	
19.	Runtime Meta Data	Metadata (format to be discussed with Ministry Technical team upfront before delivery)	
20.	Conversion Modules	SQL Scripts	
21.	Converted and Verified Data	Data in target Oracle database schema	

	<b>Test Deliverables</b>		<ul style="list-style-type: none"> <li>• All types of testing (Unit testing, System/Integration testing, UAT testing and Stress/Load/Performance testing) are mandatory for all projects</li> <li>• UAT migration needs prior confirmation of successful unit testing and system/integration testing by developers/service providers</li> <li>• Stress/Load/performance testing may happen only after UAT testing and sign off by clients/ UAT teams</li> <li>• Production migration needs prior confirmation of successful UAT testing and UAT signoff by Clients</li> </ul>
22.	Unit Test results	JUnit log files or other forms of unit test results	
23.	System Test results	Document showing system test cases and results of the system tests	
24.	User Acceptance Test Results	Document showing UAT test cases and results of the UAT tests	
	Stress/Load Test Results	Document showing Stress/Load test cases and results of the Stress/Load tests	
	<b><u>Deployment Deliverables</u></b>		<b>No Deployment deliverables should be initiated for QCIL prior to acceptance of the Test phase deliverables)</b>
25.	Implementation Plan	Word Template	
26.	Operations Support Guide	Word Template	
27.	Training and Support Materials	Word Template	
	<b><u>Project Management Deliverables</u></b>		<b>No Project Management deliverables should be initiated for QCIL prior to QCIL and Sponsor signoff of pre-project deliverables (Project Charter, Business case, Decision note etc)</b>
28.	*Feasibility Assessment Document	Word Template	Optional
29.	Decision Note	Word Template	
30.	Project Status Report	Word Template (Control Form)	
31.	Project Completion Checklist	Word Template	
32.	SPMO Status Report	Electronic System	Approved projects with a budget of \$100,000 or more will almost always be tracked in the system. Projects under \$100,000 may be tracked depending on project complexity, contribution to strategic goals and discretion of the Project Delivery Office.
33.	Project Charter	Word Template	Requirements vary depending on the needs of the project.  Use the Level of Project Management tool as a guideline
34.	Project Workplan	Template or MS Project Workplan	
35.	Light Master Project Plan (MPP-Lite)	Word Template (for small / medium	

	(in lieu of MPP)	size projects)	to select from recommended processes.  Activities that require less than 40 days of effort and score less than 12 on the LOPM should not require formal project management in most cases.
36.	Master Project Plan (MPP)	Word Template (for large projects)	
37.	Risk Information Sheet	Word Template (Control Form)	
38.	Project Issue Form	Word Template (Control Form)	
39.	Project Change Request Form	Template (Control Form)	
40.	Project Evaluation Document	Word Template	
	<b><u>Quality Management Deliverables</u></b>		
41.	Quality Control Items List (QCIL) <b>[Form used for recording deliverable review comments]</b>	Word Template (Form)	

\*The Feasibility Assessment is optional in the BPP. Projects may decide to do Feasibility Assessment as part of the project's Business Case development or as a separate project and independent of the Business Development case or the main project.

## **NOTES**

- All BPP deliverables are subject to QCIL review with the exception of a few deliverables such as *unit/system test cases, unit/system test results, training material* etc.
- BPP deliverables need to be created using BPP templates and following the BPP standards where applicable. Any questions on BPP process/templates/standards etc, please contact the BPP Team.
- Projects are required to submit all deliverables to EDUC PDO requesting for initiation of QCIL review of the deliverable(s).
- Deliverables received in non-BPP format may be rejected, unless prior Ministry Architecture Committee (MAC) approval on BPP exemption is obtained by the projects. Exemptions are considered by MAC only in rare and justified cases.
- This Application Deliverable matrix may be referenced to know about the master list of BPP deliverables, deliverable formats etc.
- The [QCIL review process](#) (Visio diagram) is followed for review of all deliverables. Any questions on QCIL review process, please contact the Project Delivery Office (PDO).
- It is recommended to always download the latest blank templates from BPP site and populate them to create deliverable documents for new projects. Do not reuse (repurpose) documents from earlier projects.
- The deliverable documents (populated templates) of previously completed projects may be used for reference purposes only. These are generally available on the ITMB Sharepoint site ("Information Centre" tab) under "Application Documentation" section.
- The templates on the BPP site are periodically revised based on feedback, requests, experience from projects etc. Hence it is not recommended to reuse the deliverable documents (populated templates) of the past projects for the new projects, since the past documents may be based on older version of the templates. Also, there are other issues of repurposing past documents for new projects. Example : Some content pertaining to past project may be left out inadvertently in the new document that was created from the past document.