

**SKILLS FRAMEWORK FOR AEROSPACE
TECHNICAL SKILLS & COMPETENCIES (TSC) REFERENCE**

TSC Category	Manufacturing and Operations					
TSC	Product Lifecycle Management					
TSC Description	Apply collaborative product lifecycle management solutions in the organisation for the purposes of creating a central repository for all product data and managing this information throughout the entire product lifecycle to improve efficiency, cost effectiveness and decision making					
TSC Proficiency Description	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
			AER-OPR-3067-1.1	AER-OPR-4067-1.1		
			Apply collaborative product lifecycle management (PLM) solutions in the organisation	Deploy collaborative product lifecycle management (PLM) solutions in the organisation		
Knowledge			<ul style="list-style-type: none"> • Concepts of PLM and PLM graphical interfaces • Methods of adding project tasks and sub-tasks for building work breakdown structure (WBS) • Methods of building engineering bill of materials (EBOM) • Methods of creating and editing engineering change orders (ECOs) and engineering change requests (ECRs) • Concept of computer-aided design (CAD) PLM integration • Methods of viewing and completing assigned tasks • Methods of completing the assigned ECRs and ECOs • Methods of synchronising CAD parts data into PLM • Concept of basic lifecycle operations on CAD data • Concept of CAD PLM EBOM synchronisation 	<ul style="list-style-type: none"> • Methods and techniques for project development • Methods for creating, viewing and modifying programmes and projects • Methods for creating work breakdown structure (WBS) and assigning members to projects • Methods for defining and editing folders and project documents • Concepts of workflows and workflow templates • Methods to define and edit meetings, decisions and project status • Methods to define parts, specification documents and their lifecycle operations • Methods to define and edit lifecycle of engineering bill of materials (EBOM) • Methods to define and edit lifecycle of engineering change order (ECO) and engineering change request (ECR) 		
Abilities			<ul style="list-style-type: none"> • Navigate through the PLM solutions, search for existing items and clarify questions on basic PLM concepts 	<ul style="list-style-type: none"> • Create and modify programmes and projects in the PLM solutions • Define and modify folders and project documents 		

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			<ul style="list-style-type: none"> • Create parts and build an EBOM • Define and edit ECOs and ECRs • Perform basic operations of CAD-PLM integration interface • Perform assigned project tasks, ECRs and ECOs, and complete them • Synchronise PLM data from a CAD solution • Perform basic CAD lifecycle operations • Perform basic PLM BOM synchronisation • Support installation of a PLM solution on a server and client • Support testing and programming of a PLM solution 	<ul style="list-style-type: none"> • Define and modify workflows • Define and modify meetings, decisions and monitor project status • Define parts, items and specification documents and their lifecycle management • Define and edit lifecycle of EBOMs, ECOs and ECRs 		
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