TSC Category	Manufacturing and Operations					
TSC	Manufacturing Process Management					
TSC Description	Perform process engineering and ensure the stability of the manufacturing process as well as troubleshoot process deviations and propose strategies for process performance improvement					
TSC Proficiency Description	**Level 1**	**Level 2**	**Level 3**	**Level 4**	**Level 5**	**Level 6**
		ELE-OPR-2005-1.1	**ELE-OPR-3005-1.1**	**ELE-OPR-4005-1.1**	**ELE-OPR-5005-1.1**	
		Perform manufacturing processes and take corrective actions in accordance to out-of-control action procedures	Analyse manufacturing process stability and verify process performance	Review process performance and troubleshoot process deviations	Formulate strategies for manufacturing process performance improvement and recommend follow-up action	
Knowledge		• Basic concepts of the type manufacturing processes • Basic steps in Start Lot, In-Process Quality Control (IPQC) checks and End Lot operations • Basic configuration set-up for manufacturing processes • Various hardware equipment used in manufacturing processes • Escalation process and Out-of-Control Action Plan (OCAP) procedures	• Process functions • Process parameters • Process monitoring • Process flows • Process materials	• Process parameters • Process monitoring • Recipe optimisation • Process release procedure	• Types of process performance metrics • Problem solving techniques	
Abilities		• Prepare to carry out manufacturing processes in accordance to standard organisational procedures • Operate machine in accordance to Start Lot procedures • Operate machine in accordance to Sort End Lot procedures • Carry out IPQC checks • Take corrective action in accordance to out-of-control action procedures	• Identify process function in the manufacturing process • Determine critical process parameters • Determine process monitoring to maintain process stability • Analyse process stability • Verify process performance • Determine follow-up action required	• Set up process monitoring to determine process stability • Identify process deviations • Troubleshoot process deviations • Maintain process stability • Verify process performance	• Define project to meet process performance • Establish project scope of work and the number of hours based on business requirements • Execute project in accordance with project plan • Evaluate project effectiveness in accordance with project objectives • Recommend follow up actions	