

TSC Category	Supply Chain and Production Planning Management					
TSC	Supply Chain Management					
TSC Description	Develop and maintain supply chain processes, comprising feedstock, production, storage, and export, to ensure supply and demand are managed in an integrated manner and in full alignment with production availability, downtime, plant turnarounds and market conditions					
TSC Proficiency Description	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
				ECM-SCP-4004-1.1	ECM-SCP-5004-1.1	ECM-SCP-6004-1.1
				Interpret processes and procedures to determine supply and demand balance from feedstock to product storage to provide a reliable supply to customers	Develop and implement processes and procedures to continually manage demand against supply balance from feedstock to product storage, to manage a reliable supply to customers	Formulate strategies in supply chain processes to maximise availability, supply and cost savings with minimum downtime, to achieve optimum production and storage capability to meet customer demand
Knowledge				<ul style="list-style-type: none"> • Principles of supply chain management • Methods of logistics management • Methods of inventory management • Inter-relationships between supply chain, logistics and inventory management • Business continuity management methods • Principles of risk management for supply chain processes • Problem-solving techniques • Auditing methods and techniques • Data analysis and analytical techniques • Basic concepts of digital plant logistics • High-resolution supply chain management (HRSCM) principles 	<ul style="list-style-type: none"> • Principles of finance management • Analytical techniques for supply chain management • Production planning and optimisation techniques • Integrated supply chain management networks • Techniques to review market conditions, cause and effect, supply and demand • Contract management and negotiation techniques • Methods for monitoring supply chain and supplier performance • Principles and techniques to analyse risks in supply chain processes • Principles of procurement management and standard practices 	<ul style="list-style-type: none"> • Supply chain management strategies and sustainability techniques • Principles of strategic procurement • Integrated supply chain management methods • Types of supply chain management information systems • Types of e-Commerce systems • Continuous Improvement principles and practices • Logistics outsourcing techniques • Supply chain risk management methods • Technology developments in digital plant logistics • High-resolution supply chain management (HRSCM) strategies

					<ul style="list-style-type: none"> • Auditing methods and techniques • Advanced digital plant logistics applications • High-resolution supply chain management (HRSCM) applications 	
Abilities				<ul style="list-style-type: none"> • Plan and schedule supply chain management activities • Coordinate all aspects of supply chain management • Conduct stock control activities and carry out stock inventory audits • Coordinate goods and materials transportation • Develop and distribute supply chain management reports • Perform risk analyses for supply chain management • Optimise supply chain activities and make recommendations for improvement • Audit supply chain management processes • Apply digital plant logistics to supply chain work processes and planning • Apply HRSCM systems and tools 	<ul style="list-style-type: none"> • Review and update supply chain management practices, policies and standards, in line with regulations and laws • Review supply chain management planning and materials forecasting • Review risk analysis for supply chain management • Review audit and recommendations to supply chain processes • Manage and negotiate contracts with supply chain partners • Monitor supplier performance and take corrective actions to resolve issues • Manage supply chain processes through interaction with procurement, logistics, finance and production teams • Implement supply chain improvement projects • Manage digital plant logistics of supply chain work processes and planning • Manage HRSCM applications 	<ul style="list-style-type: none"> • Manage supply chain budgets and finance activities • Drive supply chain continuous improvement projects • Manage major supply chain contracts and relationships • Manage supply chain risks • Review and implement new and emerging supply chain management technologies