Transportation, Distribution and Logistics

Pathway: Facility and Mobile Equipment Maintenance

Code	Topic	Course	Knowledge and Skill	Performance Element	Measurement Criteria
TRPD01.01	Facility and Mobile Equipment Maintenance	#7: Facility and Mobile Equipment Maintenance Systems #8: Facility and Mobile Equipment Maintenance Systems	Develop and manage preventive maintenance plans and systems.	Develop preventive maintenance plans and systems to meet business and equipment manufacturer requirements.	Identify performance/reliability requirements for the use of facilities and equipment.
					Review and analyze facilities and equipment documentation to determine preventive maintenance requirements.
					Review safety and environmental regulations and policies to determine adequacy and compliance.
					Review performance/reliability and maintenance records to determine the efficacy of current systems and methods.
					Develop routine maintenance procedures and schedules to satisfy the performance/reliability requirements.
					Develop emergency maintenance procedures to satisfy the performance requirements.
					Determine equipment/material/supply and labor requirements for the procedures and schedules developed to satisfy performance/reliability requirements.
					Develop purchasing plans and inventory levels for supplies/parts needed to satisfy the developed procedures and schedules.
					Determine people and resources to satisfy the schedule and reliability requirements.
					Develop written preventative maintenance plans that satisfy the reliability requirements.
					Present and explain plans (e.g., business meetings).

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Code	Topic	Course	Knowledge and Skill	Performance Element	Measurement Criteria
			(CONTINUED)	Monitor and evaluate the performance of maintenance plans and systems.	Monitor and maintain information on facilities and equipment use and reliability.
					Monitor and maintain information on the implementation and operation of preventive maintenance systems, including compliance with safety and environmental requirements (e.g., records, logs).
					Monitor and maintain information on the availability of parts/materials/supplies and the management of inventory levels.
					Evaluate maintenance plan and system performance and identify problems.
					Develop reports on system implementation and performance.
					Present and explain report (e.g., business meetings).
TRPD01.02	Facility and Mobile Equipment Maintenance	#9: Facilty and Mobile Equipment Repair	Maintain and improve facilities, equipment, and system performance.	Develop and manage repair plans.	Identify and describe facility and mobile equipment reliability/performance problems.
					Determine causes of reliability/performance problems of facilities, equipment, subsystems, and/or components including electrical/electronic, fluid power, and mechanical systems and computer control systems.
					Determine repair procedures and equipment, materials, parts, supplies, and labor requirements to accomplish repairs.
					Develop written plans (e.g., repair plan forms).
					Present and explain report (e.g., business meetings).

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Code	Topic	Course	Knowledge and Skill	Performance Element	Measurement Criteria
			(CONTINUED)	Develop plans for improving facilities/equipment/system performance.	Review maintenance reports on performance of current facilities, equipment, and the maintenance and reliability system.
					Analyze and evaluate professional literature on new products/technology/methods with higher levels of reliability and performance.
					Identify potential areas for improvement.
					Analyze costs and benefits of alternative strategies (e.g., buy new equipment, upgrade equipment, change maintenance system) for improving performance.
					Develop written improvement plan with recommendations.
					Present and explain plan. (e.g. business meetings).

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