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| TSC Category | Engineering Construction, Operations and Maintenance | | | | | |
| TSC | Technical Inspection | | | | | |
| TSC Description | Execute formal inspection exercises to ensure quality, safety, and reliability adhering with technical specifications and compliance requirements | | | | | |
| TSC Proficiency Description | Level 1 | Level 2 | Level 3 | Level 4 | Level 5 | Level 6 |
| | | EGS-QUA-2021-1.1-1 | EGS-QUA-3021-1.1-1 | EGS-QUA-4021-1.1-1 | | |
| | | Conduct technical inspections of material, equipment and systems according to work plan | Execute technical inspections of material, equipment, systems, and special category components | Develop technical inspection plans and procedures and review effectiveness | | |
| Knowledge | | <ul style="list-style-type: none"> • Methods of conducting basic technical inspections • Types of tools and equipment required for inspection work • Standard functional operation of components and systems • Inspection plan | <ul style="list-style-type: none"> • Methods of conducting complex technical inspections • Types of component and system faults • Implications of technical faults • Methods of mitigating technical faults • Documentation and escalation procedures for technical inspections | <ul style="list-style-type: none"> • Methods of developing technical inspection procedures • Methods of evaluating technical inspection procedures • Methods of interpreting work orders • International safety codes and quality standards | | |
| Abilities | | <ul style="list-style-type: none"> • Check inspection and test tools and equipment • Check functional operation of components and systems to ensure adherence to quality and safety standards • Inspect equipment for damages against quality and safety standards • Verify inspection is completed according to inspection plan | <ul style="list-style-type: none"> • Determine inspection and test tools and equipment to be used • Examine complex equipment to identify faults • Identify components and systems that do not meet quality and safety standards • Classify faults according to criticality and organise corrective measures • Record faults using appropriate forms and documentation procedures • Ensure work orders are completed effectively • Report inspection result and necessary follow up to appropriate personnel | <ul style="list-style-type: none"> • Review work order and specifications to determine inspection requirements • Confirm inspection procedures to be applied • Review technical inspection procedures to ensure effectiveness | | |