

CAPABILITY 12 / 27

Inspection, Testing, Calibration & QA/QC Coordination

Inspection and testing that reinforce compliance.



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OVERVIEW

Inspection and testing confirm that equipment meets specifications before it reaches site. COTI coordinates inspections, factory and site acceptance tests, non-destructive testing, calibration and document review through qualified organisations.

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12.1 Pre-shipment, visual and dimensional inspection coordination.

SUPPLY SCOPE

Pre-shipment, visual and dimensional inspection coordination.

DEFINITION

Pre-shipment inspection checks goods before they leave the factory. Visual inspection looks for defects; dimensional inspection measures the item against drawings and tolerances.

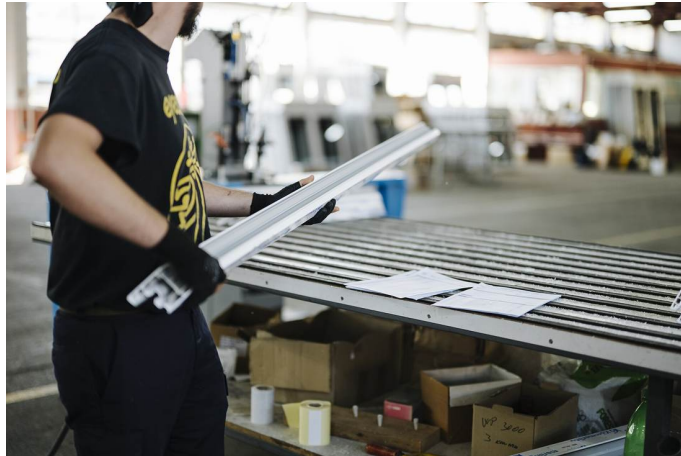


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12.2 Factory Acceptance Test (FAT) and Site Acceptance Test (SAT) coordination...

SUPPLY SCOPE

Factory Acceptance Test (FAT) and Site Acceptance Test (SAT) coordination where applicable.

DEFINITION

A FAT (Factory Acceptance Test) verifies that equipment works as specified at the manufacturer's premises. A SAT (Site Acceptance Test) confirms the same after installation on site.

12.3 NDT coordination through appropriately qualified organizations or...

SUPPLY SCOPE

NDT coordination through appropriately qualified organizations or technicians.

DEFINITION

NDT (Non-Destructive Testing) inspects materials without damaging them: ultrasonic, radiographic, magnetic-particle, dye-penetrant and visual methods detect cracks, porosity or wall loss. It is performed by certified organisations or technicians.

12.4 Calibration/testing coordination through qualified laboratories/providers.

SUPPLY SCOPE

Calibration/testing coordination through qualified laboratories/providers.

DEFINITION

Calibration and testing confirm that instruments and equipment perform accurately. COTI coordinates this work with qualified laboratories and providers, which issue calibration certificates.

12.5 Material verification, certificate review, documentation review and...

SUPPLY SCOPE

Material verification, certificate review, documentation review and traceability follow-up.

DEFINITION

Material verification (including positive material identification) confirms the grade of metal supplied. Certificate and documentation review checks compliance, and traceability follow-up links each item to its records.

12.6 Vendor inspection, manufacturing follow-up, expediting and third-party...

SUPPLY SCOPE

Vendor inspection, manufacturing follow-up, expediting and third-party inspection coordination.

DEFINITION

Vendor inspection and manufacturing follow-up monitor production at the supplier; expediting keeps deliveries on schedule; third-party inspection uses an independent agency to witness tests and inspections.

Specialized services are provided and/or coordinated with qualified technical partners according to project requirements.

Contact COTI

Send us your RFQ, part numbers, nameplate photos or technical specifications. We will review your requirement and reply with a structured proposal.

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