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CERTIFICATE OF ACCREDITATION

This is to attest

VELOSI CERTIFICATION LLC

AHMAD BIN ALI BUSINESS CENTER, 1ST FLOOR, NEW SALATA, C-RING ROAD
DOHA, 3408, QATAR

Inspection Agency AA-840 (Type A)

has met the requirements of AC98, *IAS Accreditation Criteria for Inspection Agencies*, and has demonstrated compliance with ISO/IEC Standard 17020:2012, *Conformity assessment - Requirements for the operation of various types of bodies performing inspection*. This organization is accredited to provide the services specified in the scope of accreditation.

Expiry Date October 1, 2026

Effective Date December 14, 2025



International Accreditation Service
Issued under the authority of IAS management

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VELOSI CERTIFICATION LLC

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Accredited to ISO/IEC 17020:2012

Effective Date December 14, 2025

FIELD AND RANGE OF INSPECTION	REGULATIONS, INSPECTION METHODS, STANDARDS AND/OR SPECIFICATIONS
Section 1: Fixed Lifting Equipment - Periodic and Thorough Inspection	
Overhead Cranes (Electric Overhead Travelling, Monorail, Underhung, Gantry)	BS 7121-2-7 (Safe use of mobile cranes, A-frames, and portable gantries) ASME B30.2 (Overhead & Gantry Cranes) ASME B30.11 (Monorails & Underhung Cranes) ASME B30.17 (Overhead & Gantry Cranes – Top Running Bridge, Single Girder, Underhung Hoist) ASME B30.24 (Container Cranes) QP-PAI-STD-005 L4-QAT-021 Procedures for Overhead travelling crane
Runway Beam / Monorail	BS 2853 (Runway Beams), ASME B30.16 (Overhead Hoists) QP-PAI-STD-005 L4-QAT-026 Procedures for Runway Beams
Jib Cranes (Portal, Slewing Jib, Power-Driven Slewing Jib)	BS 7333 (Portal & Jib Cranes) BS EN 14985 (Power-Driven Slewing Jib Cranes) BS 7121-2-7 (Inspection & Safe Use) ASME B30.4 (Portal, Tower & Pillar Cranes) QP-PAI-STD-005 L4-QAT-078 Procedures for Jib Crane
A-Frame & Portable Gantry Cranes	BS 7121-2-7 (Safe use of mobile cranes, A-frames, and portable gantries) LOLER Reg. 7 (Marking), Reg. 9 QP-PAI-STD-005 L4-QAT-066 Procedures for A-Frame L4-QAT-070 Procedures for Gantry cranes (RTG)
Davits (General Purpose, Lifeboat & Liferaft)	BS MA 41 (Ship's Davits) SOLAS: Ch. III – Life-Saving Appliances & Arrangements Reg. 20–25 LSA Code: Chapters 4–6 QP-PAI-STD-005 L4-QAT-047 Procedures for General purpose Davit L4-QAT-018 Procedures for Lifeboat Davit&winch L4-QAT-071 Procedures for Liferaft Davit&winch



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FIELD AND RANGE OF INSPECTION	REGULATIONS, INSPECTION METHODS, STANDARDS AND/OR SPECIFICATIONS
Section 2: Offshore Containers / Baskets- Periodic and Thorough Inspection	
Offshore Containers (CCU's / Tanks / Baskets / Frames & Skids for Transportation of Equipment)	BS EN 12079-1, 12079-2, 12079-3 (Offshore Containers) DNV 2.7-1 (Offshore Containers) DNV 2.7-2 (Offshore Service Containers) DNV 2.7-3 (Portable Offshore Units) ISO 10855-1, 10855-2, 10855-3 (Offshore Containers) QP-PAI-STD-005 L4-QAT-008 Procedures for CCU with Lifting Sets
Man Baskets / Personnel Carriers	BS EN 14502-1 (Cranes – Equipment for Lifting Persons) QP-PAI-STD-005 L4-QAT-055 Procedure For Man Basket
Material Baskets / Offshore Waste Skips	BS EN 12079-1, 12079-2, 2079-3 DNV 2.7-1, 2.7-2, 2.7-3 ISO 10855-1, 10855-2, 10855-3; LOLER: Reg. 7 & 9 QP-PAI-STD-005 L4-QAT-056 Procedures for Storage racks L4-QAT-008 Procedures for CCU with Lifting sets
Gangways (Personnel Transfer)	BS EN 526 (Gangways) BS EN 14206 (Ship Access Equipment) BS MA 78 (Ship Gangways) LOLER: Reg. 7 & 9 SOLAS: Ch. III, Reg. 14–15 IMO MSC.1/Circ.1331 QP-PAI-STD-005 L4-QAT-042 Procedures for Gangway
Loading Ramps	ASME PALD (Portable Automotive Lifting Devices) QP-PAI-STD-005 L4-QAT-088i Inspection checklist for Loading Ramps
Grabs (Mechanical Lifting Attachments)	BS ISO 20663 (Cranes – Lifting Appliances – Grabs) ASME B30.20 (Below-the-Hook Lifting Devices) LOLER Reg. 7 & 9 QP-PAI-STD-005 L4-QAT-088h Inspection checklist Grabs
Section 3: Cranes - Periodic and Thorough Inspection	
Mobile Cranes (All-Terrain, Truck-Mounted, Rough Terrain) & Crawler Cranes	BS 7121-2-1 & 7121-2-3 (Safe Use and Inspection of Cranes – Mobile Cranes) ASME B30.5 (Mobile and Locomotive Cranes) PCSA STD No.4 (Powered Cranes) PCSA STD No.4: Sections 4–7



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	SAE J987: Chapters 3–7 QP-PAI-STD-005 L4-QAT-020 Procedures for Mobile Cranes L4-QAT-075 Procedures for for Crawler Cranes
Lorry Loader Cranes	BS 7121 Part 4 & BS 7121-2-4 (Lorry Loader Cranes – Safe Use and Inspection) ASME B30.5 (Mobile Cranes) ASME B30.22 (Vehicle-Mounted Cranes) QP-PAI-STD-005 L4-QAT-074 Procedures for Lorry Loading Cranes
Light Duty Cranes (Floor / Manually Operated)	BS 5744 (Manually Operated Hoists) BS 7121-2-1 (General Requirements for Inspection and Safe Use) ASME PASE: Sections 3–7 QP-PAI-STD-005 L4-QAT-062 Procedures for Floor Crane
Tower Cranes	BS 7121-5 & BS 7121-2-5 (Tower Cranes – Safe Use and Inspection) BS 7121-5: Clauses 4–12 BS 7121-2-5: Clauses 4–10 ASME B30.3 (Tower Cranes) Sec. 3–8 ASME B30.29 (Tower Cranes – Rigging & Operation) ASME B30.29: Sec. 4–8 QP-PAI-STD-005 L4-QAT-031 Procedures for Tower Cranes
Side Boom / Pipe Layer / Stacker Cranes	BS 7121 Part 14 (Side Boom Cranes) ASME B30.14 (Side Boom Cranes) ASME B30.14: Sec. 3–8 ISO 8813 (Pipe Layer Cranes) ASME B30.18 (Stacker Cranes) ASME B30.18: Sec. 4–9 QP-PAI-STD-005 L4-QAT-065 Procedure For Side Boom Pipe Layer
Offshore / Pedestal / Derrick Cranes	BS 7121 Part 11 (Pedestal Cranes – Inspection) BS EN 13852-1 & 2 (Pedestal Cranes – Design and Safety) API Spec 2C (Offshore Cranes) API Spec 2C: Ch. 3–7 API RP 2D (Operation of Offshore Cranes) API RP 2D: Sections 4–9 ASME B30.4 (Onshore Cranes) ASME B30.4: Sec. 3–8 BS 7121-2-3 & BS EN 13001-1 (Cranes – Structural Requirements) ASME B30.8 & B30.6 (Overhead & Jib Cranes)



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	ASME B30.8 & B30.6: Sec. 4–9 QP-PAI-STD-005 L4-QAT-076 Procedures for Offshore Cranes (Pedestal)
Section 4: Forklifts - Periodic and Thorough Inspection	
Forklifts / Telehandlers Internal Combustion / Electric	BS EN 1459 (Industrial Trucks – Safety Requirements) BS ISO 22915-1, 22915-2, 22915-5 (Industrial Trucks – Testing & Performance) ANSI B56.1: Ch. 4–8 ANSI B56.5: Sections 3–7 ANSI B56.6: Sections 4–9 QP-PAI-STD-005 L4-QAT-013 Procedures for Forklift L4-QAT-072 Procedures for Telehandler
Fork Arms for Forklifts	BS ISO 2330 (Fork Arms – Strength & Testing) BS 5639-1 (Fork Arms – Dimensional & Mechanical Requirements) ISO 2331 (Forklift Attachments) QP-PAI-STD-005 L4-QAT-013 Procedures for Forklift
Reach Trucks / Pallet Stacker / Pallet Truck (Hand Oper.) / Narrow Aisle Forklifts	BS EN 1459, BS ISO 22915-3 & 22915-4 (Industrial Trucks – Reach Trucks / Stacker Trucks) BS ISO 509 (Pallet Trucks – Safety Requirements) BS EN ISO 3691-1 & 3691-5 (Industrial Trucks – Safety and Performance) QP-PAI-STD-005 L4-QAT-013 Procedures for Forklift L4-QAT-023 Procedures for Pallet truck
Section 5: Mobile Elevating Work Platforms (MEWP) - Periodic and Thorough Inspection	
Mobile Elevating Working Platforms (MEWP) Manlift, Scissor Lift, Spider Lift, Push Around Vertical (PAV), Truck-Mounted Manlift & Stabbing Basket	BS EN 280 (Mobile Elevating Work Platforms – Design, Calculations, Safety Requirements) ASME A120.1 (Elevating Work Platforms – Safety & Design) ASME B30.23 (Aerial Lifts / MEWPs) ASME B30.23: Sections 4–9 QP-PAI-STD-005 L4-QAT-019 Procedures for MEWP's L4-QAT-063 Procedures for Stabbing board/basket
Suspended Access Platforms: BMU / Cradles	BS EN 1808 (Safety Requirements for Suspended Access Equipment) QP-PAI-STD-005 L4-QAT-080 Procedures for BMU L4-QAT-011 Procedures for Cradles



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Section 6: Escalators and Elevators - Periodic and Thorough Inspection	
Personnel / Goods Elevators	BS EN 81-20 & BS EN 81-50 (Safety Rules for the Construction and Installation of Lifts) ISO 4190-2 & ISO 4190-3 (Lift Components – Design & Testing) ISO 7465 (Electric Elevators – Safety) ASME A17.1, A17.2, A17.3 & A17.4 (Safety Codes for Elevators & Escalators) QP-PAI-STD-005 L4-QAT-079 Procedures for Elevators
Service Elevators	BS EN 81-80 (Modernization and Maintenance of Lifts) BS 7212 (Testing of Lifts) ISO 4190-5 & ISO 4190-6 (Lift Components – Performance) ISO 7465 (Electric Elevators – Safety) QP-PAI-STD-005 L4-QAT-079 Procedures for Elevators
Mast Climbing Working Platform & Material Hoist (Mast)	BS EN 1495 (Safety Requirements for Mast Climbing Work Platforms) ANSI A10.5 (Material Handling and Hoisting Equipment) QP-PAI-STD-005 L4-QAT-073 Procedures for Mast Climber
Passenger Hoist	BS EN 81-20 (Safety Rules for Passenger Elevators – Design & Installation) QP-PAI-STD-005 L4-QAT-024 Procedures for Passenger Hoist
Section-7: Lifting Machines Power - Periodic and Thorough Inspection	
Suspension Trolleys	BS EN 13157 (Manual and Powered Trolleys for Lifting) ASME B30.17 (Overhead and Gantry Cranes – Top Running Bridge, Single Girder, Underhung Hoist) BS EN 14492-2 (Powered Hoists – Safety Requirements) QP-PAI-STD-005 L4-QAT-007 Procedures for Beam Trolley
Hoist (Powered)	BS EN 14492-2 (Powered Hoists – Safety) ASME B30.7 (Winches, Hoists and Capstans) QP-PAI-STD-005 L4-QAT-010 Procedures for Electric Hoist
Hoists Overhead (Underhung)	BS 7121-2-7 (Overhead Cranes – Inspection & Safe Use) ASME B30.16 (Overhead Hoists – Underhung)



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	QP-PAI-STD-005 L4-QAT-021 Procedures for Overhead Travelling Crane
Vehicle Lift	BS EN 1493 (Vehicle Lifts – Safety Requirements) ASME PASE: Sections 4–8 QP-PAI-STD-005 L4-QAT-034 Procedures for Vehicle Lifter
Vehicle-Mounted Drilling Rig	BS EN 16228 (Drilling Rigs – Safety Requirements) ISO 18758-2 (Drilling Rigs – Operational Safety) QP-PAI-STD-005 L4-QAT-069 Procedures for Vehicle Mounted Drilling Rig
Winches Powered / Lifeboat & Man Riding	BS EN 14492-1 (Powered Winches – Safety) ASME B30.7 (Winches & Hoists) LSA Code: Chapters 3–5 DNV-OS-E101: Clauses 6–12 QP-PAI-STD-005 L4-QAT-005 Procedures for Lifting Equipment Testing & Examination
Personnel Protective Equipment -against Fall from Height and Rescue Devices (Tripod with Winch, Harness, Lanyard, Fall Arrestor, Self-Retracting Lifeline)	BS EN 341, 354, 355, 358, 360, 361, 362, 363, 364, 1496 (Fall Protection Systems) BS EN 795 (Anchor Devices) ANSI Z359.1 (Fall Protection) / ANSI A10.32 (Fall Protection in Construction) ANSI Z359.1 / A10.32: Sections 4–9 OSHA 1926.502 (Fall Protection (Inspection, Use, Maintenance) OSHA 1926.502: Subpart M QP-PAI-STD-005 L4-QAT-051 Procedures for Lifting Equipment Testing & Examination L4-QAT-052 Procedures for Lifting Equipment Testing & Examination L4-QAT-053 Procedures for Lifting Equipment Testing & Examination
Section-8: Lifting Machines Manual - Periodic and Thorough Inspection	
Manual Chain Hoists	BS EN 13157 (Safety Requirements for Manual Hoists) ASME HST-2: Sections 2–6 QP-PAI-STD-005 L4-QAT-009 Procedures for Manual Chain Block
Lever Hoists	BS EN 13157 (Manually operated lifting equipment) ASME B30.21 (Lever Hoists) QP-PAI-STD-005 L4-QAT-016 Procedures for Lever Hoist



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Hand Operated Winches, Jaw Winch (Tirfor)	BS EN 13157 (Manual Lifting Devices – Safety) QP-PAI-STD-005 L4-QAT-014 Procedures for Hand Operated Winches L4-QAT-030 Procedures for Jaw Winch (Tirfor)
Travelling Trolleys (Push, Pull & Geared)	BS EN 13157 (Manually operated lifting equipment) ASME B30.17 (Overhead and Gantry Cranes – Trolleys) QP-PAI-STD-005 L4-QAT-007 Procedures for Beam Trolley
Mechanical and Hydraulic Jacks	BS EN 1494 (Mechanical / Hydraulic Jacks – Safety Requirements) ASME B30.1 (Jacks – Safety) ASME PASE (Personnel Access & Small Equipment Lifting) QP-PAI-STD-005 L4-QAT-015 Procedures for Jack
Pulley Blocks and Snatch Blocks	BS EN 13157 (Manually operated lifting equipment) ASME B30.26 (Rigging Hardware – Blocks, Pulleys) QP-PAI-STD-005 L4-QAT-028 Procedures for Sheave, Snatch & Pulley Blocks
Section 9: Lifting Equipment General - Periodic and Thorough Inspection	
Components for Slings (Hoist Ring, Links, Swivels, Hook)	BS EN 1677-1, 1677-2, 1677-3, 1677-4, 1677-5 (Forged Steel Components for Lifting) ASME B30.10 (Hooks – Forged Steel Components for Lifting) ISO 7597 & ISO 8539 (Hoist Rings and Components – Forged Lifting Hardware) ASME B30.26 (Rigging Hardware – Forged & Cast Components) QP-PAI-STD-005 L4-QAT-061 Procedures for Lifting ring Clutch L4-QAT-048 Procedures for Master Link L4-QAT-038 Procedures for Swivel L4-QAT-048 Procedures for Hook
Chain and Chain Slings	BS EN 818-1, 818-2, 818-3, 818-7 (Chain Slings – Safety & Testing, Alloy Steel Chains) / BS EN 818-4, 818-5, 818-6 (Chain Slings – Forged Components) ISO 7592 (Chain Slings – Safety) / ISO 7593 (Chain Slings – Safety Testing) ASME B30.9 (Slings – Alloy Steel & Forged Components) QP-PAI-STD-005 L4-QAT-036 Procedures for Chain Slings



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Wire Rope and Wire Rope Slings	BS EN 12385-1 to -10: Clauses 4–12 API Spec 9A: Sections 2–6 API Spec 9A: Sections 2–6 ISO 4309 (Wire Rope Inspection – In-service) BS EN 13414-1 to 13414-3 (Wire Rope Slings – Terminations & Accessories) ASME B30.9 (Slings – Wire Rope) Sections 2–6 API RP 9B: Guidelines for Care & Use of Wire Rope QP-PAI-STD-005 L4-QAT-029 Procedures for Steel wire rope L4-QAT-033 Procedure For Wire Rope Sling (Lifting & Grommet)
Textile (Webbing / Round) Slings	BS EN 1492-1, 1492-2, 1492-4 (Webbing Slings – Synthetic Fibres, Safety) ASME B30.9 (Slings – Synthetic & Webbing) ASME B30.9: Sections 2–6 (Slings – Safety & Use) QP-PAI-STD-005 L4-QAT-035 Procedures for Webbing & Round Sling
Shackles / Eyebolts / Eye Nuts	BS 3551 (Forged Alloy Steel Shackles) US FED SPEC RR-C-271 (Alloy Steel Shackles) US FED SPEC RR-C-271: Sections 3–7 BS EN 13889 (Forged Steel Shackles) BS EN 13889: Clauses 4–7 BS 4278 (Forged Eye Bolts) / DIN 582 (Eye Bolts – Forged Steel) BS 4278 / DIN 582: Clauses 4–6 ASME B30.26 (Rigging Hardware – Shackles & Eye Bolts) ASME B30.26: Sections 2–6 ISO 3266 (Shackles – Forged Steel) ISO 3266: Clauses 4–8 QP-PAI-STD-005 L4-QAT-012 Procedures for EyeBolts L4-QAT-027 Procedures for Shackles
Rigging Screws and Turnbuckles	BS 4429 (Turnbuckles – Forged Steel / Alloy) ASME B30.26 (Rigging Screws – Forged Components) QP-PAI-STD-005 L4-QAT-039 Procedures for Turnbuckles
Wedge Sockets	BS EN 13411-6 (Wedge Sockets – Wire Rope End Fittings) BS EN 13411-6: Clauses 4–7 BS EN 1677-4 (Forged Steel Components for Lifting) BS EN 1677-4: Clauses 3–6 BS 2903 (Forged Wire Rope Terminations) BS 2903: Clauses 5–8 LOLER: Regulation 9–10 QP-PAI-STD-005 L4-QAT-032 Procedures for Wedge Sockets



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Plate / Beam / Pipe Clamps	BS EN 13155 (Non-powered Lifting Accessories – Forged & Cast Steel) LOLER: Regulations 9–10 ASME B30.20 (Rigging Hardware – Clamps & Forks) ASME B30.20: Sections 20-1 to 20-4 QP-PAI-STD-005 L4-QAT-006 Procedures for Beam Clamp L4-QAT-025 Procedures for Plate Clamp
Lifting & Spreader Beams / Bar / Frame / Material Lifters	BS EN 13155 (Non-powered Lifting Accessories – Fabricated / Welded Steel) LOLER: Regulations 9–10 ILO Guidelines: Tables 1–3 QP-PAI-STD-005 L4-QAT-017 Procedures for Lifting & Spreader Beams L4-QAT-064 Procedures for Material Lifters
Pad Eyes / Lifting Loop	DNV 2.7-1 & 2.7-3 (Fabricated Lifting Points – Offshore Standards) BS 5395-1, 5395-2, 5395-3, 5395-4 (Stairs & Walkways – Lifting / Safety Points) LOLER: Regulations 9–10 ISO 14122-2 (Safety of Machinery – Lifting Points) ISO 14122-2: Clauses 5–7 QP-PAI-STD-005 L4-QAT-054 Procedures for Pad Eye L4-QAT-059 Procedures for Lifting Loop
Crane Forks and 'C' Hooks, Vacuum Lifters, Lifting Magnets	BS EN 13155 (Non-powered Lifting Accessories – Forged / Fabricated Steel) LOLER: Regulations 9–10 ASME B30.20 (Sections 20-2, 20-3, 20-4) QP-PAI-STD-005 L4-QAT-085 Procedures for Pallet Fork L4-QAT-037 Procedures for Hooks L4-QAT-068 Procedures for Pneumatic Lifters
Load Hooks and Sheave Blocks	BS EN 1677-1, 1677-2, 1677-3, 1677-4, 1677-5 (Forged Steel Hooks & Blocks for Lifting) ASME B30.10 (Hooks – Forged Components) ASME B30.10: Sections 4–6 ISO 7597 (Hoist Hooks – Forged Steel) ISO 7597: Clauses 5–7 ISO 8539 (Sheave Blocks – Forged / Cast Steel) ISO 8539: Clauses 4–6 QP-PAI-STD-005 L4-QAT-028 Procedures for Sheave, Snatch & Pulley Block L4-QAT-088 Procedures for Hook Block



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Cargo & Safety Net	BS 6756 (Cargo Nets – Lifting & Securing Loads) BS 6756: Clauses 4–7 BS EN 1263-1 & 1263 -2 (Safety Nets – Fall Protection) OSHA 1926.105: Sections (c)(13) (i–iv) QP-PAI-STD-005 L4-QAT-084 Procedures for Cargo & Safety Net L4-QAT-083 Procedures for Helideck Net
Personnel Transfer Net	Billy Pugh Practice (Industry Standard for Personnel Nets – Offshore / Onshore Use) QP-PAI-STD-005 L4-QAT-049 Procedures for Personnel Transfer
Trunnion	BS ISO 10276 (Trunnion Pins – Forged Steel) BS EN 12574-1 (Lifting Trunnions – Fabricated Steel) QP-PAI-STD-005 L4-QAT-088j Inspection checklist for Trunnion
Section 10: Pressure Equipment, Boilers, Tanks, Pipes and Steel Structures	
Boilers Design review and Inspection during manufacturing including material inspection, Welding Inspection, Painting Inspection, final inspection, testing witness and installation	ASME BPVC Section I L4-QAT-136 Inspection of boilers
Boilers In-service and out of service inspection, including design review, repair, refurbishment and testing witness	API 570, NBIC L4-QAT-135 inspection of in-services vessels L4-QAT-136 inspection of boilers
Pressure vessel, heat exchangers, tube bundles, air coolers, columns, pressure relief Design review, and Inspection during manufacturing including material inspection, Welding Inspection, Painting Inspection, final inspection, testing witness and Installation	ASME BPVC Section VIII, DIV 1 and DIV 2. TEMA L4-QAT-130 Inspection of Pressure Vessels L4-QAT-131 Inspection of Heat Exchangers L4-QAT-127 Inspection of valves
Pressure vessel, heat exchangers, tube bundles, air coolers, columns, pressure relief devices, valves In-service and out of service inspection including design review, repair, refurbishment, and testing witness	API 510, NBIC L4-QAT-130 Inspection of Pressure Vessels L4-QAT-131 Inspection of Heat Exchangers L4-QAT-127 Inspection of valves
Storage tanks Inspection during manufacturing and fabrication including material inspection, Welding Inspection, painting inspection, final inspection, testing witness and installation	API 620, API 650 L4-QAT-133 Inspection of Storage Tanks L4-QAT-130 Inspection of Pressure Vessels
Storage tanks	API 653



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In-service and out of service inspection including repair, refurbishment, and testing witness	L4-QAT-133 Inspection of Storage Tanks L4-QAT-130 Inspection of Pressure Vessels
Wellhead and Tree Equipment Inspection during manufacturing and fabrication including material inspection, welding inspection, testing witness, drift test, painting inspection, and final inspection	API 6A L4-QAT-147 Inspection of welheads and tree equipment L4-QAT-133 Inspection of Storage Tanks L4-QAT-130 Inspection of Pressure Vessels
Power piping and process piping and pipelines including fittings and valves Inspection during manufacturing and fabrication including material inspection, welding inspection, painting inspection, final inspection, testing witness and installation	ASME B31.1, ASME B31.3, ASME B31.4, ASME B31.8, API 598, API 527, API 1104, API 6D L4-QAT-137 Inspection of fabrication of Piping L4-QAT-127 Inspection of valves L4-QAT-133 Inspection of Storage Tanks L4-QAT-130 Inspection of Pressure Vessels L4-QAT-123 Inspection of GRE/GRP piping
Power piping and process piping and pipelines including fittings and valves In-service inspection including repair, refurbishment, and testing witness	API 570, API 1104 L4-QAT-137 Inspection of fabrication of Piping L4-QAT-127 Inspection of valves L4-QAT-133 Inspection of Storage Tanks L4-QAT-130 Inspection of Pressure Vessels
Steel structures Structural Inspection during Fabrication/installation including material inspection, welding inspection, painting, and final inspection	AWS D1.1/D1.1M, AWS D1.2/D1.2M, AWS D1.3/D1.3M, AWS D1.4/D1.4M, AWS D1.5/D1.5M, AWS D1.6/D1.6M, AWS D9.1/D9.1M L4-QAT-132 Work instruction for welding & brazing procedure certification L4-QAT-134 Inspection of material and assembly L4-QAT-146 Inspection of blasting and painting
Section 11: Nondestructive Testing (Weld Joints & Product Surfaces)	
Radiographic Film Interpretation (RTFI) X Ray (Film and Digital) Gamma (Film and Digital)	ASME SEC V (Article 2), AWS D1.1/D1.1M (Section 6) L3-QAT-035 Radiographique Opérationnel Procédure
UT Contact Straight Beam Contact Angled Beam Internal Rotary Inspection System (Immersion Straight Beam) Contact Phased Array Contact Time of Flight Diffraction	ASME SEC V (Article 4) AWS D1.1/D1.1M (Section 6) L3-QAT-008 (ASME)- Procedure for Ultrasonic Testing Lamination L3-QAT-007 (AWS)- Procedure for Ultrasonic Testing L3-QAT-006 (ASME) Procedure for Ultrasonic Testing L3-QAT-027 - Procedure for IRIS L3-QAT-011 (weld) Procedure for Phased Array UT Weld Inspection L3-QAT-012 (lamination) Procedure for Phased Array Corrosion Mapping L3-QAT-010 - Procedure for Ultrasonic Time Of Flight Diffraction (TOFD)



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Ultrasonic Thickness Measurement (UTG)	ASME SEC V; ASTM E797 L3-QAT-009 Procedure for Ultrasonic Thickness Measurement
Dye Penetrant Examination Visible Fluorescent	ASME SEC V (Article 6) AWS D1.1/D1.1M (Section 6) L3-QAT-019 Procedure for LPT
MT Yoke- Visible and Fluorescent	ASME SEC V (Article 7) AWS D1.1/D1.1M (Section 6) L3-QAT-015 Procedure for Magnetic Particle Testing
Eddy Current Testing (ECT) Surface ECT ECT for Non ferromagnetic Heat Exchanger Tubing Remote Field Testing (RFT) of Tubing	ASME SEC V (Article 8-ECT and Article 17-RFT) L3-QAT-040 Procedure for Surface Eddy Current L3-QAT-028 Procedure for ECT L3-QAT-030 Procedure for RFET
Visual inspection	ASME SEC V (Article 9) AWS D1.1/D1.1M (Section 6) L3-QAT-024 Procedure for Visual Testing
Positive Metal Identification	ASTM E1476, ASTM E1916 L3-QAT-023 Procedure for Positive Material Identification
Alternating Current Field Measurement Technique	ASME SEC V (Article 15) L3-QAT-017 Procedure for AC Field Measurement Inspection
Magnetic Flux Leakage (MFL) Examination	ASME SEC V (Article 16) L3-QAT-018 Procedure for Magnetic Flux Leakage Inspection for Tank Floor
Section 12: Electrical and Instrumentation Equipment & Inspection of Earth & Concrete Works	
Electrical and Instrumentation Equipment (Control panels, fiber optics, switchgears, generator, compressors, cables, hazardous area electrical and instrumentation equipment's, ATEX/IECEX certified equipment) Inspection during production, final inspection, performance test, installation, and commissioning	EN 62381, IEC 60502-1, IEC 60502-2, IEC 60228, IEC 60227, IEC 60245, IEC 60811, IEC 60529, IEC 60073, IEC 60079, IEC 60874-14, IEC 60874-10, IEC 61947, IEC 61346, IEC 61082, IEEE 115 L4-QAT-138 Inspection of Compressors L4-QAT-139 Inspection of Electrical Cable L4-QAT-140 Inspection of Control Panel L4-QAT-141 Inspection of fiber optical cables L4-QAT-142 Inspection of Switchgears L4-QAT-143 inspection of diesel generators L4-QAT-145 Inspection of electrical & instrumentation equipments
Earth work Excavation and Backfilling Inspection of setting-out prior to excavation Verification of excavation depth, dimensions & Field Density Test (FDT) for sub-grade	Qatar Construction Specification (QCS) 2014 Section 01 Part-13 Section 02 Part-14 Section 03 Part-04 Section 06 Part-03



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FIELD AND RANGE OF INSPECTION	REGULATIONS, INSPECTION METHODS, STANDARDS AND/OR SPECIFICATIONS
Witness inspection of soil sampling and testing Inspection of backfilling layers and compaction of earth work layers, road embankment and backfilling around structures and foundation	Section-08 Part-02. Section-12 Part-02, Part-3 and Part-4. and applicable reference codes specified QCS 2014 L4-QAT-125 Inspection of earthwork
Concrete Work Formwork and concrete pouring Inspection of concrete trail mix Pre-pour inspection of formwork and rebars Witness of concrete pouring, filed testing of concrete, and sampling Concrete post pouring inspection Witness of 28 days concrete cube compressive strength	Qatar Construction Specification (QCS) 2014 Section 05: Part-01, Part-06, Part-09, Part-10, Part-11, Part-13 and Part-14 and applicable reference codes specified QCS 2014 L4-QAT-126 Inspection of In-Situ & Precast Reinforced Concrete Work

