



SCOPE OF ACCREDITATION TO ISO/IEC 17020:2012

FRONTIER CERTIFICATION INTERNATIONAL
 Office No.702, 7th Floor, Regency Business Center 2,
 Building No. 402, Al Mirqab – Street No. 200
 Doha, Qatar
 Dr. Mohammad Abul-Ola Phone: +974-5552-3812

INSPECTION BODY

Valid To: October 31, 2022

Certificate Number: 5108.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this Type A (Third Party) inspection body for the following inspections for the specific inspections identified below:

Description of Inspection	Procedure and/or Specification	Further Description of Inspection Activities	Product Type
Lifting:			
Hoists	FCI Procedures: L4-LT-020 L4-LT-001 L4-LT-006 BS 7212; BS EN 14492-2	Inspection of: <ul style="list-style-type: none"> • Markings • Structural Components • Mechanical Components • Electrical components • Functional Components 	Powered Hoist, Construction Hoist
Slings	FCI Procedures: L4-LT-029 L4-LT-037 L4-LT-038 BS EN 818 Sec. 1-7; BS EN 1677-1, 2, 3, 4, 5; BS EN 1492-1, 2; BS EN 13414-1 to 3	Inspection of: <ul style="list-style-type: none"> • Chain Sling (short link) • Sling Components (hoist ring, links, swivels, forged steel hooks with latch) • Textile Slings (flat woven webbing, round sling) • Wire Rope Sling (Steel Wire) 	Slings and Sling Components
Cranes	FCI Procedures: L4-LT-016 L4-LT-017 L4-LT-027 BS 7121 Part 2, 5, 11, 14, 4; BS 466; BS 7333; BS EN 14985	Inspection of: <ul style="list-style-type: none"> • Markings • Structural Components • Mechanical Components • Electrical components • Functional Components 	Mobile, Crawler, Tower, Pedestal, Side Boom, Lorry Loader, Over Head Travelling, Power Driven, Slewing Jib

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Jacks and Lifts	FCI Procedures: L4-LT-003 L4-LT-005 L4-LT-010 L4-LT-012 L4-LT-011 L4-LT-024 L4-LT-026 BS EN 13157; BS EN 1494; BS EN 81-1,2; BS EN 1493	Inspection of: <ul style="list-style-type: none"> • Markings • Structural Components • Mechanical Components • Electrical components • Functional Components 	Hand-powered lifting equipment (Beam trolleys, Chain Hoist, Lever Hoist, Jaw Winches, Hand operated Winches, Pulley Blocks, Snatch Block), hydraulic jacks, lifts (passenger or goods), Vehicle Lifts
Lifting Attachments	FCI Procedures: L4-LT-002 L4-LT-004 L4-LT-013 L4-LT-021 L4-LT-028 BS EN 13155; BS EN 12079	Inspection of: <ul style="list-style-type: none"> • Markings • Structural Components • Mechanical Components • Electrical components • Functional Components 	Non-fixed Load Lifting attachments (Beam clamps, plate clamps, pipe clam/hook spread beam, lifting beam, pallet forks, Cargo Carrying Unit, skip (baskets, toolboxes, cylinder racks))
Davit	FCI Procedures: L4-LT-014 BS MA 41	Inspection and Testing of Davit	Mechanical and Physical Testing of Lifting Equipment
Industrial Trucks	FCI Procedures: L4-LT-009 L4-LT-019 BS EN 1459; BS EN 1757-2; BS ISO 509	Fork Lift, Industrial Trucks Pallet Truck	Mechanical and Physical Testing of Lifting Equipment
Work Platforms	FCI Procedures: L4-LT-007 L4-LT-015 L4-LT-022 BS EN 1495; BS EN 280; BS 1808; BS 2853	Inspection of: <ul style="list-style-type: none"> • Markings • Structural Components • Mechanical Components • Electrical components • Functional Components 	Mast Climbing Platform (MCWP), Mobile Elevating Work Platform, (MEWP) Suspended Access Platform, Fixed Overhead Runway Beams Mechanical

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Shackles	FCI Procedures: L4-LT-023 BS EN 13889, BS 3551; US FED. SPEC. RRC-271 D.	Inspection of: <ul style="list-style-type: none"> • Markings • Structural Components • Mechanical Components • Electrical components • Functional Components 	Forged steel shackles for general lifting purposes, Specification of alloy steel shackles.
Wire Rope	FCI Procedures: L4-LT-025 BS EN 12385-1 to 10	Specification for steel wire rope	
TPI			
Pressure Equipment – New	FCI Procedures: L4-TPI-001 L4-TPI-003 L4-TPI-011 L4-TPI-012 L4-TPI-014 L4-TPI-015 L4-TPI-021 ASME Sec. VIII Div 1 & 2; ASME Sec. V, ASME Sec I; TEMA, API 598, API 527	Design review, Inspection during production including raw material inspection, Welding qualification, Final inspection, testing, Installation, Commissioning and Performance test.	Pressure vessels, Boilers, Heat Exchangers, Tube Bundles, Safety Valves etc
Pressure equipment - In-Service	FCI Procedures: L4-TPI-004 NBIC & API 510; API 579	In-service Inspection including design review, Repair, Rework, Refurbishment, Testing and Reinstatement.	Pressure vessels, Boilers, Heat Exchangers, Tube Bundles, etc
Tanks – New	FCI Procedures: L4-TPI-001 L4-TPI-005 L4-TPI-014 L4-TPI-015 API 620, API 650	Design review, Inspection during production including raw material inspection, Welding qualification, Final inspection, testing, Installation, commissioning and Performance test.	Storage Tanks
Tanks – In-Service	FCI Procedures: L4-TPI-006 API 653 & API 575	In-service Inspection including - Design review, Repair, Rework, Refurbishment, Testing and Reinstatement.	Storage Tanks
Structural – New	FCI Procedures: L4-TPI-001 L4-TPI-007 L4-TPI-014 L4-TPI-015 AWS D1.1	Design review, Inspection during production including welding qualification, Final inspection and Installation,	Steel Structure buildings & Pipe Racks

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Pipelines – New	FCI Procedures: L4-TPI-001 L4-TPI-008 L4-TPI-014 L4-TPI-015 L4-TPI-017 L4-TPI-018 L4-TPI-022 L4-TPI-023 L4-TPI-024 L4-TPI-025 L4-TPI-026 API 1104, ASME; B31.4 & 31.8	Design review, Inspection during production including raw material inspection welding qualification, Final inspection, Testing, installation, Commissioning and Performance tests.	Metallic & non-metallic (Pipe fitting, valve components, raw materials, plants, etc.) Pre- fabrication of Piping
Station Piping – New	FCI Procedures: L4-TPI-001 L4-TPI-002 L4-TPI-014 L4-TPI-015 L4-TPI-016 to L4-TPI-026 ASME B31.1 & 31.3	Design review, Inspection during production including raw material inspection welding qualification, Final inspection, Testing, installation, Commissioning and Performance tests.	Metallic & non-metallic (Pipe fitting, valve components, raw materials, plants, etc.) Pre fabrication of Piping
Station Piping & Pipelines -- In- Service	FCI Procedures: L4-TPI-038 API 570 & 574	In-service Inspection including design review, Repair, Rework, Refurbishment, Testing and Re-instatement.	–Metallic & non-metallic (Pipe fitting, valve components, raw materials, plants, etc.) –Pre fabrication of Piping



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Electrical equipment	FCI Procedures: L4-TPI-013 L4-TPI-029 L4-TPI-030 L4-TPI-031 L4-TPI-032 L4-TPI-033 L4-TPI-034 L4-TPI-035 L4-TPI-036 IEC 60332, IEC 60502-1, IEC60502-2, IEC 60228, IEC 60227, IEC 60245, IEC 60811, IEC 60529, IEC 60073, IEC60079, EN 62381, ANSIIISA-TRI2.21.01, EIAITIA-492, EIAITIA-492A, EIAIRS-455, EIAITIA-568, EIA TIA-568A, IEC 60874-14, IEC 60874-10, IEC 60947, IEC 61346, IEC61082, IEE115	Inspection during production, Final Inspection, Performance tests, Installation and Commissioning	a) Electrical Cable b) Control Panels c) Fiber optics d) Switchgear e) Diesel Generators
Concrete Works	FCI Procedures: L4-TPI-037 BS EN 206-1	Inspection of concreting activities for civil works	Concrete for Civil Works
Geometric Volumetric Inspection of Storage Tank	ISO 7507-1,2,3 &4; API MPMS Chapter 2.2 A, B, C &D; API 650; API653	Inspection of Tanks Wall Verticality, Assessment of Wall Roundness, and Assessment of Shape of Roof and Floor Profiles, Inspection of Volume of Petroleum Tanks using Terrestrial Laser Scanning Equipment	Petroleum Tank, Vertical Tank, Horizontal Tank, Sphere Tank, Fixed Roof Tank, Floating Roof Tank, Domed Roof Tank, Conical Roof Tank
Non-Destructive Examination:			
Visual Inspection	FCI Procedures: L4-TPI-037 ASME Sec. V: 2015; ASME Sec. VIII;Div:1 : 2015; AWS D1.1 :2015; ASME B 31.3 : 2014		Plates, Pressure Vessels, Storage Tanks, Pipes, Structural Weld Joints & Products



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Magnetic Particle Examination	FCI Procedures: L3-NDT-004 L3-NDT-005 ASME Sec. V: 2015; ASME Sec. VIII; Div:1 : 2015; AWS D1.1 :2015; ASME B 31.3 : 2014		Plates, Pressure Vessels, Storage Tanks, Pipes, Structural Weld Joints & Products
Dye Penetrant Examination	FCI Procedures: L3-NDT-006 ASME Sec. V: 2015; ASME Sec. VIII; Div:1 : 2015; AWS D1.1 :2015; ASME B 31.3 : 2014		Plates, Pressure Vessels, Storage Tanks, Pipes, Structural Weld Joints & Products
Ultrasonic Examination	FCI Procedures: L3-NDT-009 L3-NDT-010 (ASME) L3-NDT-011 (AWS) L3-NDT-012 ASME Sec. V: 2015; ASME Sec. VIII; Div:1 : 2015; AWS D1.1 :2015; ASME B 31.3 : 2014		Plates, Pressure Vessels, Storage Tanks, Pipes, Structural Weld Joints & Products
Ultrasonic Thickness Gauging	FCI Procedures: L3-NDT-013 ASME Sec. V: 2015; ASTM E 797		Plates, Pressure Vessels, Storage Tanks, Pipes, Structural Weld Joints & Products
Hardness Testing Inspection	FCI Procedures: L4-NDT-001 ASTM E110-2014; ASTM E140		Plates, Pressure Vessels, Storage Tanks, Pipes, Structural Weld Joints & Products
Positive Material Identification	FCI Procedures: L3-NDT-015 ASME Sec. II :2015 Part A		Plates, Pressure Vessels, Storage Tanks, Pipes, Structural Weld Joints & Products



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Radiographic Testing Film Interpretation	FCI Procedures: L3-NDT-007 (ASME) L3-NDT-008 (AWS) ASME Sec. V: 2015 ASME Sec. VIII Div:1: 2015 AWS D1.1 :2015 ASME B 31.3 : 2014		Plates, Pressure Vessels, Storage Tanks, Pipes, Structural Weld Joints & Products
Vacuum Box Testing	FCI Procedures: L3-NDT-014 ASNT, Handbook Volume 1 – Leak Testing; ASME BVPC Sec. V; ASME Sec. VIII; Div:1; API 653; API 650; API 620		Lap Welds, Butt Welds, and Shell to Annular Welds of Tank. Piping Systems and Pressure Vessels. Tank Bottoms ERW Seamed Pipe in Pipelines. Objects on which a Pressure Differential can be created across the area to be examined.

Specification for Eye Bolt, Eye Nuts for Lifting Purposes; BS 4278, DIN 52; Mechanical and Physical Testing of Lifting Equipment **FCI Procedures: L4-LT-008**





Accredited Inspection Body

A2LA has accredited

FRONTIER CERTIFICATION INTERNATIONAL W.L.L

Doha, Qatar

for technical competence in and compliance with the

Inspection Body Accreditation Program

This inspection body is accredited in accordance with the recognized International Standard *ISO/IEC 17020:2012 Conformity Assessment – Requirements for the operation of various types of bodies performing inspection*. This accreditation demonstrates technical competence for a defined scope and the operation of a quality management system.



Presented this 11th day of March 2021.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 5108.01
Valid to October 31, 2022