

## 10.17 Scope of Accreditation

Issue No: 1/ Issue Date: 25.07.2022  
File Manager: Hamza Khan

### Inspection Body Accreditation No. AIB 0050

is accredited by the GCC Accreditation Center (GAC) in accordance with the recognized International Standard ISO/IEC 17020:2012,  
"Conformity assessment requirements for the operation of various types of bodies performing inspection"

SGS Qatar W.L.L. - Type A INSPECTION BODY	
PO Box 24140, Building No. ELG CC48, plot No. SS24A, Ras Laffan Industrial City, Doha, Qatar	Contact: Jahangir Zia Tel: +974 40362700 Fax: N/A Email: <a href="mailto:Jahangir.zia@sgs.com">Jahangir.zia@sgs.com</a> Web Address: <a href="http://www.sgs.com">www.sgs.com</a>

#### **Locations where inspection activities covered by the above Accreditation Standard are undertaken**

##### 1- Address

PO Box 24140, Building No. ELG CC48, plot No. SS24A, Ras Laffan Industrial City, Doha, Qatar

#### **For the following scope:**

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**INSPECTION**

ISO/IEC 17020:2012

No. AIB 0050

### Scope:

#### 30. Inspection:

- 30.2 Industrial Equipment and Machinery
  - 30.2.01 Pressure Equipment
  - 30.2.04 Industrial machinery
  - 30.2.07 Construction equipment
  - 30.2.09 Electric generators, motors and related equipment
  - 30.2.12 Pipelines
  - 30.2.14 Storage tanks
- 30.6 Building construction and maintenance
  - 30.6.10 Steel fabricated structures and assemblies

#### 6. Non-Destructive Testing:

- 6.50 Ultrasonic examination of materials
  - 6.50.01 Ultrasonic A-Scan capability
  - 6.50.02 Phased array capability
  - 6.50.03 Time of flight diffraction capability
  - 6.50.99 Product-specific ultrasonic technique capability (LRUT)
  - 6.50.99 Product-specific ultrasonic technique capability (IRIS)
- 6.51 Ultrasonic thickness testing
- 6.61 Magnetic particle testing
- 6.71 Penetrant testing
- 6.81 Electromagnetic examination of materials (Eddy current-ET)
- 6.91/6.92 Visual assessment of materials (prior to initial service/during service life)
- 6.94 Comparative indication of material grade and alloy type (PMI-XRF)
- 6.97 Leak testing using differential pressure box (Vacuum Testing – LT)

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6.99 Portable hardness Testing  
6.99 Magnetic Flux Leakage (MFL)

Scope details are as follows:

Inspection Category	Items of inspection	Type of inspection	Reference standards / Regulations / Internal Procedure/Client Specifications
Pre/Post Shipment Inspection - Mechanical	Industrial Machinery	Visual Inspection Quantity Verification Dimensional Checks Packing and Marking Loading and Unloading Supervision	SGSQA-INDIV-SOP-022 Rev-00
	Construction Equipment		
	Generators		
	Pumps		
	Compressors		
	Valves		
	Pipes and Fittings		
	Structures and Structural member		
	Line Pipe		
	Plates		
Pre/Post Shipment Inspection - Electrical	Electrical Cables	Visual Inspection Quantity Verification Dimensional Checks Packing and Marking Loading and Unloading Supervision	SGSQA-INDIV-SOP-022 Rev-00
	Control Panels		
	Switch Gears		
	Transformers		

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Pressure Equipment	Fabricated Piping	Inspection - Stage / Final	ASME B 31.1: 2020 ASME B 31.3: 2020
	Flanges	Inspection - Final	ANSI B 16.5: 2020,
	Pipes and Fittings	Inspection- Final	API 5L:2018, 46th Edition, ASTM A106/A106M-19a: 2019 ASTM A530/A530M-18: 2018, ASTM A450/A450M-21:2021 ASTM A179/A179M-19:2019 ASTM A234/A234M-19: 2019, ASTM A312/A312M-21:2021, ASTM A333/A333M-18: 2018, ASTM A335/A335M-21a: 2021, ASTM A519/A519M-17: 2017, ASTM A789/A789M-20: 2020, ASTM A790/A790M-20: 2020,
	Line Pipes	Inspection - Final	API 5L:2018, 46th Edition,
	Plates	Inspection - Final	ASME Section II A/B-2019 ASTM A516/A516M-10(2015) ASTM A515/A515M-17: 2017, ASTM A533/A533M-16: 2016 API 5L:2018, 46th Edition,
	Pressure Vessels, Heat Exchangers, Boilers	Manufacturing Inspection (Stage / Final)	ASME BPVC Section I:2021, ASME BPVC Section II:2021, ASME BPVC Section IV:2021, ASME BPVC Section V:2021, ASME Section IX-2019 ASME Section VIII Div I & II: 2019

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			TEMA 10th Edition 2019, API 510: 2014, 10th Edition BS 5500:1 997 NBIC 2: 2015
		In-service Inspection	API 510-2018 API 579-2016
	Valves	Inspection - Final	API STD 526: 7th Ed. 2017 API STD 598: 10th Ed. 2016, API STD 599: 8th Ed. 2020 API STD 600: 14th Ed. 2021 API STD 602: 10th Ed. 2015 API STD 609: 9th Ed. 2021
Pipelines	Pipelines	Inspection – Stage	API STD 1104:2021, 22nd Ed, API RP 1169: 2020, 2nd Ed.
Steel Fabricated Structures & Assemblies	Structural steel	Inspection (Installation / Stage / Final)	AWS D1.1/D1.1M: 2020, 24th Edition
Storage Tanks	Storage Tanks	Inspection (Stage / Final)	API 650: 2020
		In-service Inspection	API 653: 2020
Non-Destructive Testing (Conventional Methods and Advanced Techniques)	Welds/Plates/Tubes/Pipes/Plant piping Rails/Structural	Dye Penetrant Examination (DPE)	ASME BPVC Section V: 2019 API 650 - 2020 ASME SEC VIII Div-1 & 2 2019 B31.3: 2020 B31.1: 2020 ASTM E165-18:2019 ASTM E1209-18:2018 ASTM E1220-21:2021

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Magnetic Particle Inspection (MPI)	ASME BPVC Section V: 2019 API 650: 2020 ASME SEC VIII Div-1 & 2: 2019 B31.3: 2020 B31.1: 2020 ASTM E-709-21 ASTM E 1444-21
Ultrasonic testing – Thickness Measurement and flaw detection (UT)	ASME BPVC Section V: 2019 API 650: 2020 ASME SEC VIII Div-1 & 2 2019 B31.3: 2020 B31.1: 2020 API 650: 2020 API STD 1104:2021, 22nd Ed,
Positive Material Identification (PMI)	API 578-2018 3rd edition ASME Sec II-2019
Portable Hardness Testing	ASTM A956: 2012
Eddy Current Testing (ET)	ASME BPVC Section V: 2019 ASME SEC VIII Div-1 & 2 2019
Internal Rotary Inspection System (IRIS)	ASME BPVC Section V: 2019
Ultrasonic testing – flaw detection Time-of-flight diffraction (TOFD)	ASME BPVC Section V: 2019 ASME SEC VIII Div-1 & 2 2019 B31.3: 2020 B31.1: 2020 API 650: 2020 API 1104: 22nd Edition

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	Ultrasonic testing – flaw detection Phased array ultrasonic testing (PAUT)	ASME BPVC Section V: 2019 ASME SEC VIII Div-1 & 2: 2019 B31.3: 2020 B31.1: 2020 API 650: 2020 API 1104: 22nd Edition
	Long Range Ultrasonic Testing (LRUT)	ASME BPVC Section V: 2019
	Remote Visual inspection	ASME BPVC Section V: 2019
	Magnetic Flux Leakage (MFL)	ASME BPVC Section V: 2019 API 650: 2013 API 620: 2013 API 653: 2013
	Leak Testing - Vacuum Test (LT)	ASME BPVC Section V: 2019 API 650: 2013 API 620: 2013 API 653: 2013

**Note:** the text in blue indicates the new scope OR update in the Edition of a ref. standard, regulations or internal procedure in this issue of the scope of accreditation.

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### Log of Suspended Scopes:

Inspection Category	Items of inspection	Type of inspection	Reference standards / Regulations / Internal Procedure/Client Specifications	Date Suspended	Date Reinstated

### Log of Withdrawn Scopes:

Inspection Category	Items of inspection	Type of inspection	Reference standards / Regulations / Internal Procedure/Client Specifications	Date Withdrawn

**END**

Status of this accreditation can be checked in the GAC's website to confirm the validity of this accreditation - <https://www.gac.org.sa/en/>