

BUREAU VERITAS ECUADOR S.A.

ACREDITACIÓN ISO 17020

**American Association for Laboratory
Accreditation**

A2LA

**ALCANCE ACREDITADO
DIVISIÓN INDUSTRIA**





Memorandum Regarding "Technical Signatories" for A2LA Accreditation

This memo is to provide clarification regarding A2LA's approach to identifying "Technical Signatories" as part of the accreditation process. Accreditation is the process of assessing an organization's overall compliance to a standard (e.g. ISO/IEC 17025), and involves evaluating the technical competency of the entire organization and their staff. As such, A2LA does not list "Technical Signatories" on our scopes or certificates of accreditation. A2LA accreditation applies to the entire organization, which indicates that they have competent personnel authorized to perform the relevant key activities, such as testing, calibration, sign certificates, reports, etc. A technician (or however named) authorized to perform testing or calibration by the accredited organization is thus part of the accreditation and A2LA does not require them to be specifically listed on the scope or certificate as a "Technical Signatory".

However, we understand that some of our accredited organizations require a specific record from A2LA to meet the needs of their regulators, specifiers, customers or other organizations to gain their business or receive certification or authorization to work in their economy. The following is a list of inspectors that are included in the accreditation for the following organization as of June 23, 2022.

Accredited Organization: Bureau Veritas Ecuador S.A

Certificate Numbers: 5231.01

Location: Quito, Ecuador

Name	Identification Number
NEGRETE CUESTA ESTEFANÍA ALEJANDRA	1716590920
ENRIQUEZ SALAZAR BYRON ERNESTO	1713127437
GUEVARA MANOTOA WILSON RAÚL	1206362723
NICOLALDE SUBIA FREDDY SEBASTIÁN	1718519232
SILVA RODRIGUEZ JOSELYNE MABEL	0931681001

These inspectors are authorized to perform accredited work under the enclosed A2LA scope of accreditation and as authorized by the accredited organization.

If you have any questions or concerns, please feel free to contact us.

Sincerely,

Trace McInturff

Vice President of Accreditation Services



SCOPE OF ACCREDITATION TO ISO/IEC 17020:2012

BUREAU VERITAS ECUADOR S.A.
Checoscolvaquia E9-95 y Suiza.
Edificio Eveliza Plaza, piso 8
Quito, Ecuador 170135
Gloria Coronel
Email: gloria.coronel@bureauveritas.com

INSPECTION BODY

Valid To: March 31, 2023

Certificate Number: 5231.01

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 (including an assessment against the applicable requirements) for the specific inspections identified below:

Description of Inspection	Procedure and/or Specification	Inspection Method	Product Type
Safety Inspection of Mobile Cranes and Locomotives	ASME B30.5, ASME B30.9, ASME B30.10	BVE-IDD-SOP-005	Mobile Cranes and Locomotives
Articulated Boom Cranes	ASME B30.22, ASME B30.9, ASME B30.10	BVE-IDD-SOP-022	Articulating Boom Cranes
Safety Inspection of Overhead/Bridge Cranes	ASME B30.2, ASME B30.9, ASME B30.10, ASME B30.17	BVE-IDD-SOP-009	Overhead/Bridge Cranes
Inspection of Lift-Trucks and Loaders	ANSI-ITSDF, ANSI B56.6, ANSI B56.1	BVE-IDD-SOP-056	Lift-Trucks and Loaders
Inspection of Lifting Equipment and Accessories	ASME B30.9, ASME B30.10, ASME B30.16, ASME B30.20, ASME B30.21, ASME B30.26	BVE-IDD-SOP-004	Load Lifting Equipment
Structural and Operational Inspection of Winches	ASME 30.7	BVE-IDD-SOP-032	Winches

Description of Inspection	Procedure and/or Specification	Inspection Method	Product Type
Geometric Volumetric Inspection of Vertical Cylindrical Tanks by Optical Triangulation Method	API 2.2C	BVE-IDD-SOP-003	Vertical Cylindrical Tanks
Geometric Volumetric Inspection of Vertical Cylindrical Tanks by Internal Distance Electro-Optical Method	API 2.2D	BVE-IDD-SOP-003	Vertical Cylindrical Tanks
Geometric Volumetric Inspection of Vertical Cylindrical Tanks by External Distance Electro-Optical method	API 2.2B	BVE-IDD-SOP-003	Vertical Cylindrical Tanks
Geometric and Volumetric Inspection	API 2554	BE-IDD-SOP-031	Tank Cars and Vacuums
Leakage Inspection	API 650 (12 Ed.) including Errata 1 (2013), Errata 2 (2014) and Addendum 1 (2014), ASME VIII (2015) section VIII Div. 1; ASTM E1003; ASME Sect. 5 Art. 10	BVE-IDD-SOP-027	Tanks
Geometric and Volumetric Inspection	API-MPMS, API Standard 2551, API 2.2E	BVE-IDD-SOP-007 (Manual Method)	Horizontal Tanks
Geometric and Volumetric Manual Inspection	API-MPMS Chapter 2.2A	BVE-IDD-SOP-003 (Optical Reference Line Method, Manual Method, Optical Triangulation Method)	Vertical Cylindrical Method
Technical Inspection of Pressure Vessels	API 572 Capitulo 9.2, 9.3, 9.4 (Section 9), 510 Pressure Vessel Inspection Code In-Service Inspection	BE-IDD-SOP-012	Pressure Vessels
Inspection of Verticality, Roundness, and Settlement	API 653	BVE-IDD-SOP-006	Storage Tanks



Description of Inspection	Procedure and/or Specification	Inspection Method	Product Type
Technical Inspection of Storage Tanks	ASME Section V, Article 23 SE-797; API 653 Chapt. 4, 6, 10, Appendix B; ASME Section VIII Div. 1 and 2, API 651, API 575; ASME CODE Section V Art. 8, 28 subsection A; NACE 51011; NACE RP-0675; NACE RP-01-69; ASTM E797-797M-10; API 12D; UL 58, UL1746, UL142; NFPA 30; NFPA 10; NFPA 13 and NFPA 16, NFPA 58; INEN439	BVE-IDD-SOP-006 (Visual Inspection, Thickness Measurement, Settlement, Verticality, Roundness)	Storage Tanks (Nondestructive)
Inspection of Pneumatic Tests	API 650 12 Ed. Including Errata 1 (2013), Errata 2 (2014) and Addendum 1 (2014)	BVE-IDD-SOP-027	Storage Tanks
Inspection of Non-Destructive Tests by Penetrating Liquids Type II Method C	ASME V-2015 Art. 6; ASTM E1220-10; ASME B31.3, B31.4; AWS D14.1; API 1104; ASME VIII' API 650; AWS D1.1; API 570, API 574, API 653, API 572	BVE-IDD-SOP-021	Process Piping, Liquid and Slurry Piping, Welding of Industrial Cranes, Pipes of Pipelines, Pressure Vessels, Crude Storage Tanks, Welded Steel Structures, Agricultural Machinery and Equipment
Inspection of Non-Destructive Tests by Dry and Wet Magnetic Particles	ASTM E709, E1444; ASME B31.3 B31.4; AWS D14.1; API 1104; ASME VIII; API 570, 574, 653, 572; ASME V-2015	BVE-IDD-SOP-023	Process Piping, Liquid and Slurry Piping, Welding of Industrial Cranes, Pipes of Pipelines, Pressure Vessels, Crude Storage Tanks, Welded Steel Structures, Agricultural Machinery and Equipment



Description of Inspection	Procedure and/or Specification	Inspection Method	Product Type
Inspection of Non-Destructive Tests by Thickness Measurement	ASTM E587, E797; ASME B31.3, B31.4; API 1104; ASME VIII; API 650, 570, 574, 653, 572; ASME V-2015	BVE-IDD-SOP-027	Process Piping, Liquid and Slurry Piping, Welding of Industrial Cranes, Pipes of Pipelines, Pressure Vessels, Crude Storage Tanks
Hydrostatic Inspection in Transportation Piping	ASME B31.4	BVE-IDD-SOP-027	Transportation Piping
Hydrostatic Inspection in Process Piping	ASME B31.3	BVE-IDD-SOP-027	Process Piping
Visual Inspection	ASME B31.3, B31.4; ASME V-2015; AWS D14.1; API 1104; ASME VIII; API 650; AWS D1.1; AWS D14.3; API 570, 574, 653, 572	BVE-IDD-SOP-025	Transport and Slurries Pipes, Process Piping, Piping of Pipelines, Storage Tanks, Machinery and Agricultural Equipment, Welded Steel Structures
Inspection of Non Destructive Tests by Ultrasound (Conventional System)	ASME V: Art.4 (Method of Ultrasonic examination for welding); Art.5 (Method of Ultrasonic examination of Materials); Art. 23 ASME VIII, ASME B31.3, ASME B31.4, API 1104, API 650, API 653, AWS D1.1, AWS D1.5.	BVE-IDD-SOP-037	Metallic structure, bridges, pressure vessels and pressure piping, transport piping, pipelines, process piping, tanks.

Description of Inspection	Procedure and/or Specification	Inspection Method	Product Type
Inspection of Non-Destructive Tests by Ultrasound and Phased Array	ASME V: Art.4 (Method of Ultrasonic examination for welds); Art.5 (Method of Ultrasonic examination of Materials); Art. 23 ASME VIII, ASME B31.3, ASME B31.4, API 1104, API 650, API 653, AWS D1.1, AWS D1.5.	BVE-IDD-SOP-035	(Metallic structure, bridges, pressure vessels and pressure piping, transport piping, pipelines, process piping, tanks).
Inspection of Vehicles that Transport Dangerous Materials	NTE INEN 2266 Transportation, Storage and Management of Dangerous materials. Requirements NTE INEN 2288 Dangerous Chemical industrial Products. Labeling of Caution. Requirements	BVE-IDD-SOP-040	Transportation
Inspection of Elevators for Passengers	CPE INEN 18: 2000 Safety code of elevators for Passengers Safety requirements	BVE-IDD-SOP-041	Elevators





Accredited Inspection Body

A2LA has accredited

BUREAU VERITAS ECUADOR S.A.

Quito, Ecuador

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 1st day of February 2021.

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

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 5231.01
Valid to March 31, 2023