



# Certificate of Accreditation

This is to certify that

## **INSPECTION AND TESTS NIGERIA LIMITED**

KM 1 ELEME-ONNE ROAD, OFF ELEME-JUNCTION FLYOVER, OPPOSITE  
BRISTOW QUARTERS, PORT HARCOURT, RIVERS STATE.

Has been assessed by the Nigeria National Accreditation System and  
meets the requirements of the International Standard

## **ISO/IEC 17020:2012**

with demonstrated technical competence in the field of

## **Type A Inspection**

for the specific services listed on the approved Scope of Accreditation.

On behalf of the Nigeria National Accreditation System:



Inspection  
No. IN 0001

Issue date: **FEBRUARY 14, 2025**  
Valid through: **FEBRUARY 13, 2027**

**Scope of Accreditation**  
**Type A Inspection Body**  
**INSPECTION AND TESTS NIGERIA LIMITED**

KM 1 ELEME-ONNE ROAD, OFF ELEME-JUNCTION FLYOVER, OPPOSITE BRISTOW QUARTERS, PORT HARCOURT, RIVERS STATE.

Schedule NO.: IN 0001A

Issue No. 2: 14 02, 2025

Valid to : 13 02, 2027

Field of Inspection, such as: Product Design, Products (specified as Materials or Equipment), Installations, Plant, Premises, Processes, Services and Surveys	Type and Range of Inspection/Service Rendered (e.g. In-Service Inspection or Inspection of New Products)	Methods and Procedures, such as: Regulations, Standards, Specifications, Internal Procedures
<p><b>Engineering Quality - Non-destructive Examination:</b></p> <p><b>Radiographic Examination of Welds, forged, cast and composite Materials.</b></p>	<ul style="list-style-type: none"> <li>• Gamma Ray Radiographic Testing</li> <li>• X-Ray Radiographic Testing</li>   <li>• Initial Inspection</li> <li>• Fabrication</li> <li>• In-service Inspection</li> <li>• Repair</li> </ul>	<p><u>Codes/Standards</u></p> <p>a) ASME B31.1, (2018, 2020, 2022 Editions)  b) ASME B31.3 (2018, 2020, 2022)  c) ASME SECT. VIII, 2019 Edition, 2019  d) ASNT-SNT-TC-1A: (2020 Editions)  e) AWS D1.1/D1.1M 24th Edition, 2020  f) ASTM E94/E94M: 2017 Edition, June 1, 2017  g) ASTM E 747: 2018 Edition, June 1, 2018  h) ASTM E 1032: 2019 Edition, February 1, 2019  i) ASTM E 1815: 2018 Edition, November 1, 2018  j) ASTM SE 1079: 2012 Edition, July 2012  k) ASME V: Non-Destructive Examination, 2019  l) API STD 1104 2013, 2021</p> <p><u>Internal Procedure/Work Instruction</u>  Radiographic Examination Procedure (Doc. No.: ITL/PROD/RP/002, Rev.08)</p>
<p><b>Engineering Quality - Non-destructive Examination:</b></p> <p><b>Magnetic Particle Examination of ferromagnetic weldments, and other ferromagnetic materials</b></p>	<ul style="list-style-type: none"> <li>• Magnetic Particle Testing</li> <li>• Visual Testing</li>   <li>• Initial Inspection</li> <li>• Fabrication</li> <li>• In-service Inspection</li> <li>• Repair</li> </ul>	<p><u>Codes/Standards</u></p> <p>a) ASME B31.1, (2018, 2020, 2022 Editions)  b) ASME B31.3 (2018, 2020, 2022)  c) ASME SECT. VIII, 2019 Edition, 2019  a) ASNT-SNT-TC-1A: (2020 Editions)  b) AWS D1.1/D1.1M 24th Edition, 2020  a) ASME V: Non-Destructive Examination, 2019 Edition, 2019  b) API STD 1104 2013, 2021  a) ASTM E-709 2015 Edition, June 1, 2015</p> <p><u>Internal Procedure/Work instruction</u></p>

		Magnetic Particle Examination Procedure (Doc. No.: ITL/PROD/MPI/011, Rev.06)
<p><b>Engineering Quality - Non-destructive Examination:</b></p> <p><b>Ultrasonic Examination</b> of Welds, steel, metal alloys, Piping and Pipelines base materials, Flowlines, tanks and vessels</p>	<ul style="list-style-type: none"> <li>• Full Matrix Capture</li> <li>• Phased Array Ultrasonic Testing</li> <li>• C-Scan Inspection</li> <li>• Time of Flight Diffraction</li> <li>• Visual Testing</li> <li>• Manual Pulse-Echo Ultrasonic Flaw Detection</li>   <li>• Initial Inspection</li> <li>• Fabrication</li> <li>• In-service Inspection</li> <li>• Repair</li> </ul>	<p><u>Codes/Standards</u></p> <p>a) ASME B 31.1, (2018, 2020, 2022 Editions)</p> <p>b) ASME SECT. VIII, 2019 Edition, 2019</p> <p>c) ASNT-SNT-TC-1A: (2020 Editions)</p> <p>d) ASME B 31.3 (2018, 2020, 2022)</p> <p>e) ASME V: Non-Destructive Examination, 2019 Editions, Article 4</p> <p>f) AWS D1.1/D1.1M 24th Edition, 2020</p> <p>g) BS EN ISO 17640 2019 Edition, January 31, 2019</p> <p>h) API STD 1104 2013, 2021</p> <p><u>Internal Procedures/Work Instruction</u></p> <p>Ultrasonic Examination Procedure (Doc. No.: ITL/PROD/UT/012, Rev.: 05)</p> <p>Automatic Ultrasonic Testing (AUT) (ITL/PROD/UT/015; REV 03)</p> <p>Procedure for In-Service Corrosion Mapping (Carbon Steel) (Doc. No.: ITL/PROD/QP/051, Rev.: 02)</p>
<p><b>Ultrasonic Thickness Measurement</b> of Welds, steel, metal alloys, Piping and Pipelines base materials, Flowlines, tanks and vessels</p>	<ul style="list-style-type: none"> <li>• Ultrasonic Thickness Gauging</li> <li>• Visual Testing</li>   <li>• Initial Inspection</li> <li>• In-service Inspection</li> <li>• Repair</li> </ul>	<p><u>Codes/Standards</u></p> <p>a) ASME B 31.1, (2018, 2020, 2022 Editions)</p> <p>b) ASME SECT. VIII, 2019 Edition, 2019</p> <p>c) ASNT-SNT-TC-1A: (2020 Editions)</p> <p>d) ASME B 31.3: Process piping, (2018, 2020, 2022 Editions)</p> <p>e) AWS D1.1/D1.1M 24th Edition, 2020</p> <p>a) API STD 1104 2013, 2021</p> <p><u>Internal Procedure</u></p> <p>Ultrasonic Thickness Procedure (ITL/PROD/UT/013) Rev.05</p>
<p><b>Engineering Quality - Non-destructive Examination:</b></p>	<ul style="list-style-type: none"> <li>• Penetrant Testing (Fluorescent and Visible)</li> </ul>	<p><u>Codes/Standards</u></p> <p>ASME SECT. 1 (2019 Edition, July 2019)</p> <p>b) ASME B 31.1, (2018, 2020, 2022 Editions)</p>

<p><b>Liquid Penetrant Examination</b> on welds and non-porous materials</p>	<ul style="list-style-type: none"> <li>• Visual Testing</li> <li>• Initial Inspection</li> <li>• Fabrication</li> <li>• In-service Inspection</li> <li>• Repair</li> </ul>	<p>c) ASME SECT. VIII, 2019 Edition, 2019  d) ASNT-SNT-TC-1A: (2020 Editions)  e) AWS D1.1/D1.1M 24th Edition, 2020  f) API STD 1104 2013, 2021  g) ASME B 31.3: Process piping, (2018, 2020, 2022 Editions)  h) ASME V: Non-Destructive Examination, 2019 Edition, 2019  a) ASTM E165/E165M 2018 Edition, November 15, 2018  b) API STD 1104 21st Edition, September 2013  <u>Internal Procedure</u>  Liquid Penetrant Procedure (Doc. No.: ITL/PROD/PT/018, Rev.: 05)</p>
<p><b>Engineering Quality - Non-destructive Examination:</b></p> <p><b>Visual Examination</b> of fusion welds in metallic materials in the as-welded condition.</p>	<ul style="list-style-type: none"> <li>• Visual Testing</li> <li>- Initial Inspection</li> <li>- Fabrication</li> <li>- In-service Inspection</li> <li>- Repair</li> </ul>	<p><u>Codes/Standards</u>  a) ASME B 31.1, (2018, 2020, 2022 Editions)  b) ASNT-SNT-TC-1A: (2020 Editions)  c) AWS D1.1/D1.1M 24th Edition, 2020  d) API STD 1104 2013, 2021  <u>Internal Procedure</u>  Visual Examination Procedure (Doc. No.: ITL/PROD/QP/037, Rev.:04)</p>
<p><b>Engineering - Mechanical:</b></p> <p>Inspection of “Lifting Appliances”, “Lifting Accessories” and “Lifted Equipment”</p>	<ul style="list-style-type: none"> <li>• Magnetic Particle Testing</li> <li>• Dye Penetrant Testing</li> <li>• Visual Testing</li> <li>• Load Test</li> <li>- Initial Inspection</li> <li>- In-service Inspection</li> <li>- Repair</li> </ul>	<p><u>Codes/Standards</u>  a) BS EN 13414:1-3 / ASME B30.9  b) BS EN 818-1 / ISO 3076 / ASME B30.9  c) BS EN 1492 PT 1, 2 &amp; 4 / ASME B30.9  d) BS EN 1492 PT 1, 2 &amp; 4 / ASME B30.9  e) BS EN ISO 3266/  f) ASME B18 15M / ASME B30.26  g) BS MA 47 / BS ISO 16625  h) BS EN 1677  i) ASTM A952/A952M  j) BS EN 13155:2003+A2:2009  k) RR-C271DTYPE IV. BSEB13889/2-22  l) BS EN 13155</p>

		<p>m) Lifting and Allied Work Equipment (Safety) Regulations, 2018. Federal Republic of Nigeria Official Gazette, 2018</p> <p>n) Department of Petroleum Resources- Guidelines and Procedure for Lifting Equipment and Lifting Operations, 2013)</p> <p><u>Internal Procedures</u> Lifting Equipment Inspection Procedure (Doc. No.: ITL/PROD/QP/028, Rev.: 03)</p>
<p><b>Engineering - Mechanical:</b></p> <p><b>Pre-&amp; Post Weld Heat Treatment (PWHT) of Welded pipes and plates</b></p>	<ul style="list-style-type: none"> <li>• Resistant Heating Process</li> <li>- Initial Inspection</li> <li>- Fabrication</li> </ul>	<p><u>Codes/Standards</u></p> <p>b) ASME SECT. VIII, 2019 Edition, 2019</p> <p>c) ASME B31.3; 2018,2020,2022 Editions</p> <p>d) ASME B31.4, 2019, 2022 Editions</p> <p>e) ASME B31.8 2018, 2020, 2022 Editions</p> <p>f) API SPEC 6A, 21<sup>st</sup> Edition, November 2018</p> <p><u>Internal Procedures</u> 2.3Post Weld Heat Treatment Procedure (TL/PROD/QP/029) Rev. 04</p>
<p><b>Engineering - Mechanical:</b></p> <p><b>Tank Inspection (Carbon and low Alloy Steel Plate tanks)</b></p>	<ul style="list-style-type: none"> <li>• Visual testing</li> <li>• Ultrasonic testing</li> <li>• Leak Testing</li> <li>• Radiographic Testing</li> <li>• Magnetic Particle Testing</li> <li>• Cathodic Protection Survey</li> <li>- Initial Inspection</li> <li>- Fabrication</li> <li>- In-service Inspection</li> </ul>	<p><u>Codes/Standards</u></p> <p>a) API 510; Pressure Vessel Inspection Code: In-service Inspection, Rating, Repair, and Alteration (2014, 2022 Editions)</p> <p>b) API RP 576, 4<sup>th</sup> Edition, April 2017; Inspection of Pressure-relieving Devices</p> <p>c) API RP 577; 3<sup>rd</sup> Editions, October 2020</p> <p><u>Internal Procedures</u> Tank Inspection Procedure (Doc. No.: ITL/PROD/QP/035, Rev.03)</p>
<p><b>Engineering - Mechanical:</b></p> <p><b>Mechanical Inspection of Boilers, Rotating Equipment, Heating Ventilation and Air Condition (HVAC) Systems</b></p>	<ul style="list-style-type: none"> <li>• Visual Testing</li> <li>• Functional Tests Witness</li> <li>- Initial Inspection</li> <li>- Fabrication</li> <li>- In-service Inspection</li> </ul>	<p><u>Codes/Standards</u></p> <p>a) ASME B 31.1, (2018, 2020, 2022 Editions)</p> <p>b) ASNT-SNT-TC-1A: (2020 Editions)</p> <p>c) AWS D1.1/D1.1M 24th Edition, 2020</p> <p>API STD 1104 2013, 2021</p>

<p><b>Engineering - Corrosion:</b></p> <p>Painting &amp; Coating inspection of tanks, vessels, pipes, rigs</p>	<ul style="list-style-type: none"> <li>• Pre-coating Inspection (Visual Testing, Surface Profile Checks, Soluble Salts Extraction, Surface Cleanliness checks, Ambient Monitoring)</li> <li>• Post-coating (Coating Thickness Gauging, Adhesion Testing, Holiday Detection)</li> </ul> <ul style="list-style-type: none"> <li>- Initial Inspection</li> <li>- In-service Inspection</li> <li>- Repair</li> </ul>	<p><u>Codes/Standards</u></p> <ul style="list-style-type: none"> <li>a) NACE SP0188, 99<sup>th</sup> Edition, December 2006.</li> <li>b) NACE SP0169, 2013 Edition, October 4, 2013</li> <li>c) API SPEC 5L, 46<sup>th</sup> Edition, April 2018</li> <li>d) ASNT-SNT-TC-1A: (2020 Editions)</li> <li>a) ASTM D3359; 2017, 2022, 2023</li> <li>b) API STD 1104 2013, 2021</li> <li>c) ISO 8501-1; 2<sup>nd</sup> Edition, May 1, 2007</li> </ul> <p><u>Internal Procedures</u></p> <ul style="list-style-type: none"> <li>• Blasting and Painting Procedure (ITL/PROD/QP/034, Rev.03)</li> <li>• Procedure for Direct Current Voltage Gradient Inspection (ITL/PROD/QP/042, Rev.: 01)</li> </ul>
<p><b>Engineering - Drilling Activities (Oil Country Tubular Goods):</b></p> <p>Inspection of Bottom Hole Assemble (BHA), Tubular and Drill Pipes</p>	<ul style="list-style-type: none"> <li>• Visual Inspection</li> <li>• Magnetic Particle Testing</li> <li>• Dye Penetrant Testing</li> <li>• Dimensional Check</li> <li>• Ultrasonic Inspection</li> <li>• Full Length Drifting</li> </ul> <ul style="list-style-type: none"> <li>- Initial Inspection</li> <li>- In-Service Inspection</li> <li>- Repair</li> </ul>	<p><u>Codes/Standards</u></p> <ul style="list-style-type: none"> <li>a) Standard DS 1-vol 1-6 Set, 5<sup>th</sup> Edition, August 2020</li> <li>b) API RP 5A5, 7<sup>th</sup> Edition, June 2005</li> <li>c) API RP 7G-2, 2<sup>nd</sup> Edition, October 2020</li> <li>d) API RP 8B, 8<sup>th</sup> Edition, May 2014</li> <li>e) API SPEC 8C; 5<sup>th</sup> Edition, April 2012</li> <li>f) API SPEC 5CT, 10<sup>th</sup> Edition, June 2018</li> <li>g) API SPEC 6A, 21<sup>st</sup> Edition, November 2018</li> </ul> <p><u>Internal Procedures</u></p> <ul style="list-style-type: none"> <li>• Drilling Equipment Inspection Procedure (Doc. No.: ITL/PROD/QP/026, Rev.: 04)</li> <li>• Procedure for Inspection of Tubular and Drilling Pipes (Doc. No.: ITL/PROD/QP/027, Rev.: 04)</li> </ul>
<p><b>Engineering - Asset Integrity:</b></p> <p>Technical Integrity Verification of Safety Critical Elements</p>	<ul style="list-style-type: none"> <li>• Desktop Verification</li> <li>• Visual Testing</li> <li>• Spot Witness</li> </ul> <ul style="list-style-type: none"> <li>- Initial Inspection</li> </ul>	<p><u>Codes/Standards</u></p> <ul style="list-style-type: none"> <li>a) ISO 55001:2014 Asset Management-Management Systems-Requirements</li> </ul>

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	<ul style="list-style-type: none"><li>- Pre-commissioning</li><li>- Commissioning</li></ul>	<ul style="list-style-type: none"><li>b) UK HSE SCE management and verification inspection expectations; SPC/ENFORCEMENT/183</li><li>c) UK HSE SCE Safety Critical Elements Good Repair and Condition; SPC/Enforcement/175 <u>Internal Procedures</u> Technical Integrity Verification Procedure (Doc. No.: ITL/PROD/QP/049, Rev.:02)</li></ul>
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