

**SCOPE AND APPLICABILITY:**

The objective of this course is to establish minimum requirements and conditions for the necessary inspections to be carried out, aiming at the approval by the occupational safety and health professional or in the absence of this, by the person responsible for complying with safety rules, together with the person in charge of the service in accordance with the procedures and regulations in force with the normative aspects existing in NR18, NR34 and NBR6494, applicable to release the scaffold for safe work.

**REGULATIONS & STANDARDS:**

- OSHA standard 29 CFR 1926.451-Scaffolding;
- NR-18 - Safety and Health at Work in the Construction Industry;
- NR-34 - Working Conditions and Environment in the Naval Construction, Repair and Dismantling Industry;
- NBR-6494 – Scaffold Safety;

**COURSE CONTENT:**

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| <ol style="list-style-type: none"> <li>1. Introduction;             <ol style="list-style-type: none"> <li>1.1. Definition of Scaffolding;</li> </ol> </li> <li>2. Inspection and Documentation;             <ol style="list-style-type: none"> <li>2.1. Purpose;</li> <li>2.2. General Inspection Requirements;</li> <li>2.3. Competent Person;</li> </ol> </li> <li>3. Regulations Applicable to Scaffolding Requirements;             <ol style="list-style-type: none"> <li>3.1. General Conditions;</li> <li>3.2. Platform;</li> <li>3.3. Guardrail;</li> <li>3.4. Toe board;</li> <li>3.5. Ladder;</li> <li>3.6. Gap;</li> <li>3.7. Scaffolding Durability;</li> <li>3.8. Anchor Point;</li> <li>3.9. Weather Conditions;</li> <li>3.10. Tags;</li> </ol> </li> <li>4. Scaffolding Assembly and Inspection;             <ol style="list-style-type: none"> <li>4.1. General Requirements;</li> <li>4.2. Check-List;</li> <li>4.3. What to Look for;</li> <li>4.4. Manufacturer's Labels;</li> </ol> </li> <li>5. Materials Used in scaffolding assembly;             <ol style="list-style-type: none"> <li>5.1. General;</li> <li>5.2. Platter;</li> <li>5.3. Fixed and Rotary Clamp;</li> <li>5.4. Tubes;</li> <li>5.5. Post;</li> </ol> </li> </ol> | <ol style="list-style-type: none"> <li>5.6. Base plate;</li> <li>5.7. Adjustable Base Plate;</li> <li>5.8. Glove;</li> <li>6. Types of Scaffolding;             <ol style="list-style-type: none"> <li>6.1. NBR 6494;</li> <li>6.2. Mechanical Suspended Scaffolding;</li> <li>6.3. Suspended Scaffolding;</li> <li>6.4. Simply Supported Scaffolding;</li> <li>6.5. Facade Scaffolding;</li> <li>6.6. Mobile Scaffolding;</li> </ol> </li> <li>7. Common Risks and Control Measures;             <ol style="list-style-type: none"> <li>7.1. Electrical Hazards;</li> <li>7.2. Falling Objects;</li> <li>7.3. Fall Protection;</li> <li>7.4. Personal Fall Prevention System Equipment;</li> <li>7.5. Lifelines;</li> </ol> </li> <li>8. Steel Cables;             <ol style="list-style-type: none"> <li>8.1. Steel Cable Inspection;</li> <li>8.2. Points to Be Covered in the Inspection;</li> <li>8.3. Steel Cable Evaluation Factors;</li> <li>8.4. Replacement of Steel Cables;</li> <li>8.5. Steel Cables Care;</li> </ol> </li> <li>9. Safety Alert;             <ol style="list-style-type: none"> <li>9.1. Scaffolding Fall;</li> </ol> </li> <li>10. Unsafe Acts;             <ol style="list-style-type: none"> <li>10.1. Examples.</li> </ol> </li> </ol> |
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**COURSE DESIGN:**

Theoretical – 4 hours

Practical – 4 hours

**TOTAL:** 8 hours

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**PREREQUISITE(S):**

It is recommended to Have a valid training of Scaffolding Assembly.

It is also recommended to present a valid NR-35 work at heights training.

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**MINIMUM/MAXIMUM NUMBER OF DELEGATES**

This course requires a minimum of 1, and a maximum number of 12 trainees.

To offshore trainings, the course number of attendees will comply with the vessels/rig necessity.

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**MAIN SAFETY ISSUES:**

- Anchor point checking;
- Precautions against falling objects and proper isolation area signaling;
- Safety equipment inspection;
- Use of safety belts and lanyard;
- Precautions with nearby electrical sources;
- Precautions for simultaneous work;
- Precautions for moving on scaffolding;

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**REQUIRED EQUIPMENT FOR PRACTICAL EXERCISES:**

- Personal Protective Equipment;
- Scaffolding mounted;
- Dismantled scaffolding;
- Assembly and disassembly tools;
- Clamps;
- Tubes;
- Anchor points.

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**PROCEDURE FOR PRACTICAL EXERCISES:**

- Demonstration of CPEs and PPEs suitable for a designed task
- Identification of all scaffold components and how they work;
- Demonstration of how and where to inspect the scaffold;
- Fulfillment of the "Release for Safe Use" Form;
- How to make a site risk analysis where the task will be performed;
- Safe practices while using the scaffold.

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**CERTIFICATION:**

Training certificate signed by responsible Engineer accredited by Brazilian CREA.

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**CERTIFICATE VALIDITY PERIOD:**

Recommendable: 2 years.