

<b>Course code</b>	OSP302
<b>Course name</b>	NR-33 - Authorized Worker and Attendant Training in Confined Spaces - 16h
<b>Duration</b>	2 days
<b>Target group</b>	Workers and watchman who perform activities in confined spaces.
<b>Prerequisites</b>	<ul style="list-style-type: none"> <li>- RG and CPF;</li> <li>- Passport (expatriate);</li> <li>- Occupational Health Certificate (ASO) or certificate of good physical and mental health conditions including working at heights and confined space.</li> </ul>
<b>Objective</b>	To qualify workers and watchman to perform their activities in confined space in accordance with NR33.
<b>Contents</b>	<p>- Theory 8h</p> <ol style="list-style-type: none"> <li>1. Definitions.</li> <li>2. Recognition, Evaluation and Risk Control: Concept of Risk and Hazard; IDLH atmosphere and its conditions; Preliminary risk analysis; Classified area; Imprisonment; Engulfment.</li> <li>3. Operation of Equipment Utilized. Fixed and Portable Equipment; Protective equipment; Communication Equipment.</li> <li>4. Procedures and Utilization of the Entry and Work Permit: EWP - Entry and Work Permit; Training Work Team; Authorized workers, watchman and entry supervisors; Risk Types; Atmospheric evaluation; Type of Gases; Tolerance limit, flammables; explosivity; Oxygen Enrichment or deficiency; Carbon monoxide; H<sub>2</sub>S; Isolation and signaling; lockout / tagout; Ventilation.</li> <li>5. Notions of rescue and First Aid.</li> </ol> <p>- Practice 8h</p> <p>Respiratory protection;  Recognition of the scenarios;  Inspection and selection of equipment;  Preparation of PRA and EWP (Entry and work Permit);  Use of Multigas (demo);  Role of entrants and watchkeeper;  Horizontal entrance (respiratory protection use);  Vertical entrance;  Notions of rescue of victims.</p> <p>Technical Reference:  NR-33; NBR16577; OSHA 29 CFR 1910.146.</p>
<b>Exam</b>	<p>Students will be assessed through direct observation during practical activities.</p> <p>Validity: 1 year</p>