

Course code	LSC308
Course name	Wire Rope Inspection Training
Duration	1 day
Target group	Cargo handling equipment operators, assistants, signalman and other workers involved in these operations.
Prerequisites	RG; CPF; Passport (Expats) and Occupational Health Certificate (ASO) or certificate of good physical and mental health conditions.
Objective	To enable the worker to anticipate, evaluate and identify possible damages on a wire rope.
Contents	<p>Theory - 06 Hours</p> <p>Wire Rope Structure and Composition; Wire Rope Terms and Definitions; Lay Types and Direction of a Wire Rope; Wire Rope Safety Factor; Wire Rope Breaking Strength Chart; Lubrication; Wire Rope Capacity Chart; Wire Rope Inspection; Discard Criteria (ISO 4309:2017 Cranes - Wire Ropes - Care and Maintenance, Inspection and Discard); Resin Sockets' Visual Inspection.</p> <p>Practice - 02 Hours</p> <p>Wire Rope Inspection Checklist; Wire Rope Visual Inspection (Including the Application of Discard Criteria); Wire Rope's Composition Verification; Lubrication; Diameter's Tolerance.</p> <p>Technical Reference: NR-34 - Environmental and Work Conditions in the Naval Construction and Repair Industry; DNVGL-ST-0377 Standard for Shipboard Lifting Appliances; BS EN 13411-4:2011 Terminations for Steel Wire Ropes. Safety. Metal and Resin Socketing; ISO 4309:2017 Cranes - Wire Ropes - Care and Maintenance, Inspection and Discard.</p>
Exam	<p>Written multiple choice assessment, containing 10 questions, with minimum passing grade of 60%.</p> <p>Validity: N/A</p>