

NR 34.5 Basic Hot Work Firewatcher (Annex 1)

Book at maersktraining.com

AVAILABLE LOCATIONS

Rio de Janeiro, Rio das Ostras

AVAILABLE LANGUAGES

Portuguese

DURATION

1 day

This training meets the legal requirement of NR-34, item 34.5.10.1, which requires that the hot work firewatcher receives training delivered by a worker qualified in fire prevention and firefighting (in this course, an Occupational Safety Technician), with the syllabus and minimum duration of 8 hours defined in item 1 of Annex I. The course prepares participants to monitor hot work activities and their surroundings, recognise fire hazards, raise the alarm, use the appropriate firefighting equipment to combat incipient fires and guide the evacuation of the area, ensuring they are legally qualified and operationally able to perform the firewatcher role safely.

Essential Information

Prerequisites

None. No previous training or certification is required. Participants must be physically able to handle portable fire extinguishers and take part in the practical fire prevention and firefighting exercises.

Who is it for?

This training is intended for workers who will act as Hot Work Firewatchers (special fire watch / "observador") in shipbuilding, ship repair and dismantling activities, offshore units and industrial sites where hot work (welding, gouging, grinding, cutting or any activity that may generate ignition sources such as heat, sparks or flames) is carried out. As defined in NR-34, the firewatcher remains in permanent contact with the workers performing hot work, monitoring the work and its surroundings in order to detect and fight incipient fires, whenever the need for a firewatcher is defined in the Preliminary Risk Analysis (APR). The Face to Face variant is delivered in Portuguese.

Assessment

At the end of the training, participants complete a written test in Portuguese, in addition to taking part in the practical fire prevention and firefighting activity. Participants also complete a reaction evaluation (course, instructor and materials) and sign the attendance list. Pass mark to be confirmed by the L&D team.

Certification

Upon successful completion, you will receive a certificate in compliance with NR-34, item 34.5.10.1 and Annex I, item 1 - Basic course for Hot Work Firewatcher

Course content

- **Fire Fundamentals**

Fire and combustion, fuel, oxidiser, heat, combustion phenomena, classification of combustion and waste-burning processes.

- **Fire Classes and Extinguishing**

Fire classes A, B, C and D, extinguishing methods including smothering, cooling and isolation, and use of extinguishers, hoses and fire pumps.

- **Risk Control and Permit to Work**

Preliminary Risk Analysis (APR), Permit to Work (PT) and safety controls applicable to hot work activities.

- **Protective Equipment**

Personal and collective protective equipment (EPI/EPC), including types, use, handling, responsibilities and limitations.

- **Alarm and Emergency Arrangements**

Alarm and communication systems, detectors, audible and visual alarms, escape routes, signage and muster points.

- **Practical Firefighting**

Practical fire prevention and firefighting activities, followed by final assessment and course evaluation.

Key Learning Objectives

01 L01 – Explain the fundamentals of fire and combustion, including fuel, oxidiser, heat and fire classification.

03 L03 – Identify alarm systems, escape routes, muster points, PPE/EPC and Permit to Work requirements applicable to hot work firewatchers.

02 L02 – Relate fire classes A, B, C and D to appropriate extinguishing methods and firefighting equipment.

04 L04 – Apply basic fire prevention and firefighting practices during practical activities.