



Lesson Plan: MARF035 – Contribute to Fire Prevention and Firefighting – Practical

Delivery Mode: Face-to-Face (Simulated Firefighting Facility)

Location: NSW Mines Rescue, Argenton – Simulated Firefighting Training Facility

Duration: 1 Day (08:00 – 16:00)

Unit Code: MARF035

Qualification: AMSA Certificate of Safety Training (CoST)

RTO: Superyacht Crew Academy (RTO ID: 91462)

Note: This is run and outsourced by NSW Mines Rescue, SCA Trainer is there for the day for observation & student transport only.

Session Objectives

By the end of the practical session, learners will be able to:

- Correctly don and operate firefighting PPE and SCBA
- Use fire blankets, extinguishers, hoses and foam equipment to control fires
- Perform simulated rescues and search drills in smoke-filled environments
- Operate as part of a team responding to emergency scenarios onboard
- Understand after-use maintenance and debriefing protocols

Practical Day: Key Activities and Assessment

Time	Activity	Description	Assessment	Resources
08:00 – 09:00	Arrival, Safety Briefing & Day Overview	WHS induction, facility orientation, team brief	Observed performance	Pen TV/Laptop Attendance sheet PPE



SUPERYACHT CREW ACADEMY

				Overalls SCBA Gear
09:00 – 09:30	PPE Fitting and SCBA Overview	Fitting of full firefighting gear, intro to SCBA operation	Observed performance	
09:30 – 10:15	Extinguishers, Fire Blankets & Hoses	Hands-on use of extinguishers and hoses; blanket demo	Observed performance	Fire extinguishers Fire blanket Fire hoses Fire nosel PPE Overalls
10:15 – 11:00	SCBA Drill and Entry in Smoke-Filled Compartment	Simulated drill using SCBA in dark, smoke environment	Observed performance	PPE Overalls Smoke machine Container SCBA Torch
11:00 – 12:00	Search & Rescue Underground	3 teams rotate: rescue, bridge, fire attack using lifelines	Observed performance	Radio Torch PPE Overalls SCBA Whiteboard/Marker
12:00 – 12:30	Lunch	—	—	
12:30 – 13:30	Live Fire Suppression (Container Fire)	Enter shipping container fire, suppress flame with hose	Observed performance	Container Hose/Nosel Torch PPE Overalls SCBA
13:30 – 14:00	Foam Application & Expansion Reaction	Operate foam equipment and observe expansion	Observed performance	Torch PPE Overalls SCBA Expansion foam/nosel



				Container Hose
14:00 – 14:30	Post-Fire: Overhaul and Watch	Simulate post-extinguishment activities, fire watch	Observed performance	Torch PPE Overalls SCBA Radio
14:30 – 15:15	After-use Maintenance of SCBA & Gear Pack Down	Perform maintenance procedures and equipment checks	Observed performance	Torch PPE Overalls SCBA Tubs for dirty clothing
15:15 – 16:00	Team Debrief & Feedback	Discussion of team roles, challenges, safety reflections		Whiteboard/Marker Pen/Paper TV/Laptop

Equipment & Facilities Used

- AMSA-approved fire training container (live fire setup)
- Fire hoses, fire blankets, foam and extinguishers (dry chemical, CO₂, foam, water)
- SCBA units and full fireman's outfits (helmet, boots, gloves, suit, BA set)
- Lifelines, dummy for rescue simulation, low visibility live scenarios
- Foam expansion station, hose lines, portable radios, torches

Assessment Methods

- Practical observation checklists based on AMSA performance evidence
- Group drill performance evaluation by certified fire instructors & trainers
- Scenario-based feedback and debrief participation