



SUPERYACHT CREW ACADEMY

MARF035 Contribute to fire prevention and firefighting (basic firefighting) - Observation Checklist

Instructions: The assessor must observe the candidate performing the following tasks, each based on a performance evidence (PE) requirement. Sub-tasks are mapped to performance criteria (PC) to ensure comprehensive coverage. For each sub-task, answer with a tick in the appropriate box (Yes/No) if they have shown satisfactory competency.

Task No	PC	Task Description - PE & PC	Yes	No
1		<i>(PE1): Apply extinguishing media to fire</i> - Students to use various foam, water, Co2 to extinguish live fires under the supervision of the fire instructor. Students must raise the alarm, notify crew of location of fire & size of fire, choose the correct extinguisher based on type of fire and extinguish the fire.	<input type="checkbox"/> Y	<input type="checkbox"/> N
	(PC 2.1)	Location and class of fire is identified.	<input type="checkbox"/> Y	<input type="checkbox"/> N
	(PC 2.2)	Alarm is raised	<input type="checkbox"/> Y	<input type="checkbox"/> N
	(PC 2.8)	Extinguishing media/agent is selected according to the class/classes of fire	<input type="checkbox"/> Y	<input type="checkbox"/> N
	(PC 3.4)	Fire is attacked using the extinguishing media/agent and application techniques appropriate to the class and size of fire	<input type="checkbox"/> Y	<input type="checkbox"/> N

Task No	PC	Task Description - PE & PC	Yes	No
2		<i>(PE2): Apply safe working practices at all times</i> - Student to identify nearby hazards around the simulated environment that could potentially cause a fire or be a hazard when fighting a fire like the electrical box near the container. The student must report the hazard to supervisor and remove the hazard or store anything left around safely. Students to contain fire directly ensuring any hazards nearby are cleared and safe for crew to extinguish the fire in that area.	<input type="checkbox"/> Y	<input type="checkbox"/> N
	(PC 1.1)	Fire hazards (pre-conditions for fire) onboard a vessel are identified and rectified according to workplace procedures.	<input type="checkbox"/> Y	<input type="checkbox"/> N
	(PC 1.2)	Onboard procedures for preventing fire are accessed and implemented	<input type="checkbox"/> Y	<input type="checkbox"/> N
	(PC 3.2)	Activities and tactics to combat the fire are selected so that the safety of the vessel and all onboard is not compromised	<input type="checkbox"/> Y	<input type="checkbox"/> N

Task No	PC	Task Description - PE & PC	Yes	No
3		<i>(PE3): Assist in the setting up and use of foam making equipment</i> - Student to prepare the hose and expansion foam nozzle with expansion foam container and extraction hose, then apply the expansion foam to live fire.	<input type="checkbox"/> Y	<input type="checkbox"/> N
	(PC 2.7)	Appropriate pumps and ancillary equipment are readied to support firefighting operations.	<input type="checkbox"/> Y	<input type="checkbox"/> N
	(PC 3.4)	Fire is attacked using the extinguishing media/agent and application techniques appropriate to the class and size of fire	<input type="checkbox"/> Y	<input type="checkbox"/> N

Task No	PC	Task Description - PE & PC	Yes	No
4		<i>(PE4): Correctly donning and using SCBA while undertaking fire extinguishment and rescue in a heated smoke-filled compartment</i> - Student to don PPE, SCBA quickly after a fire alarm is raised. Students to help each other with outfit once they have fitted there own doing final checks to ensure they are safe to enter fire zone. Student in fire team to check the container door for heat with back of their hand before entering and radio any hazards to bridge team. Student to give regular pressure checks on SCBA whilst in fire zone. Student to participate in boundary cooling team to stop spread of fire and close doors and hatches when possible.	<input type="checkbox"/> Y	<input type="checkbox"/> N
	(PC 2.5)	Did the student Don appropriate PPE, including SCBA, ensuring correct fit and functionality.	<input type="checkbox"/> Y	<input type="checkbox"/> N
	(PC 3.1)	Did the student Identify threats to life or health in the emergency area (e.g., smoke, heat, structural hazards)	<input type="checkbox"/> Y	<input type="checkbox"/> N
	(PC 3.5)	Did the student Use SCBA correctly while extinguishing a fire and rescuing a casualty in a heated, smoke-filled compartment	<input type="checkbox"/> Y	<input type="checkbox"/> N
	(PC 2.6)	Did the student Employ methods to limit the spread of fire and smoke (e.g., closing doors, using ventilation controls)	<input type="checkbox"/> Y	<input type="checkbox"/> N

Task No	PC	Task Description - PE & PC	Yes	No
5		<i>(PE5): Correctly donning and using SCBA while undertaking a drill in a smoke-filled compartment</i> - Student to participate fire muster drill which will be in the container with smoke machine. Student must don PPE & SCBA quickly and report to muster station and enter smoke filled container. Student must participate in 3 teams, Fire team 1, Fire team 2/ boundary cooling and bridge reporting team.	<input type="checkbox"/> Y	<input type="checkbox"/> N
	(PC 2.5)	Appropriate protective equipment (PPE), including self- contained breathing apparatus	<input type="checkbox"/> Y	<input type="checkbox"/> N
	(PC 2.4)	Realistic drills and musters are practised to ensure pre-incident readiness of response personnel	<input type="checkbox"/> Y	<input type="checkbox"/> N

Task No	PC	Task Description - PE & PC	Yes	No
6		<i>(PE6): Correctly using firemans outfit</i> - Students to don firemans outfit & PPE and ensure final checks are made to prevent burns to skin. Students must help each other once they are fitted for final checks. Student must conduct radio checks once outfit is fitted to ensure communication is maintained ready for fire fighting operations.	<input type="checkbox"/> Y	<input type="checkbox"/> N
	(PC 2.5)	Appropriate protective equipment (PPE), including self- contained breathing apparatus	<input type="checkbox"/> Y	<input type="checkbox"/> N
	(PC 3.7)	Communication is maintained to ensure safety and efficiency of firefighting operation.	<input type="checkbox"/> Y	<input type="checkbox"/> N

Task No	PC	Task Description - PE & PC	Yes	No
7		<i>(PE7): Entering and moving through a compartment filled with high expansion foam with the aid of a lifeline and without breathing apparatus</i> - High expansion foam will fill container where fire has been located and has been confirmed put out , Student to enter the container through the safest door or latch and enter the container without BA. Students to use lifeline to ensure they can retreat in case fire restarts, the students must perform secondary searches through the container for any casualties and use life line to exit once confirmed no other casualties have been found.	<input type="checkbox"/> Y	<input type="checkbox"/> N
	(PC 3.3)	Fire is located and access is gained in the safest and most timely manner	<input type="checkbox"/> Y	<input type="checkbox"/> N
	(PC 3.2)	Activities and tactics to combat the fire are selected so that the safety of the vessel and all onboard is not compromised	<input type="checkbox"/> Y	<input type="checkbox"/> N

Task No	PC	Task Description - PE & PC	Yes	No
8		<i>(PE8): Extinguishing a fire with a fire blanket</i> - Student must put out a simulated galley fire with a pot on fire, the student must approach fire shielded by the fire blanket and place on fire carefully extinguishing the fire. If fire is not put out with fire blanket or fire reignites student must reevaluate and use extinguishing media as required.	<input type="checkbox"/> Y	<input type="checkbox"/> N
	(PC 3.4)	Fire is attacked using the extinguishing media/agent and application techniques appropriate to the class and size of fire.	<input type="checkbox"/> Y	<input type="checkbox"/> N
	(PC 3.6)	Effectiveness of combat activities and tactics is evaluated and altered, as required.	<input type="checkbox"/> Y	<input type="checkbox"/> N

Task No	PC	Task Description - PE & PC	Yes	No
9		<i>(PE9): Logging SCBA wearers correctly on a control board</i> - During live fire exercise student is to communicate with bridge team with BA pressure gauge information via radio and also be a part of bridge team when and write down BA information on control board to ensure student is aware of both roles and duties.	<input type="checkbox"/> Y	<input type="checkbox"/> N
	(PC 3.7)	Communication is maintained to ensure safety and efficiency of firefighting operation.	<input type="checkbox"/> Y	<input type="checkbox"/> N
	(PC 2.4)	Realistic drills and musters are practised to ensure pre-incident readiness of response personnel.	<input type="checkbox"/> Y	<input type="checkbox"/> N

Task No	PC	Task Description - PE & PC	Yes	No
10		<i>(PE10): Operating charged hose-lines and nozzles</i> - Student is to roll out fire hose safely, hand signals must be established between hose operator and tap operator. Student is to approach fire with spray shield setting on and then extinguish fire with attack setting. Student must prepare additional hoses and high expansion foam in preparation for larger fires.	<input type="checkbox"/> Y	<input type="checkbox"/> N
	(PC 3.4)	Fire is attacked using the extinguishing media/agent and application techniques appropriate to the class and size of fire.	<input type="checkbox"/> Y	<input type="checkbox"/> N
	(PC 2.7)	Appropriate pumps and ancillary equipment are readied to support firefighting operations.	<input type="checkbox"/> Y	<input type="checkbox"/> N

Task No	PC	Task Description - PE & PC	Yes	No
11		<i>(PE11): Operating portable firefighting extinguishers.</i> - Student is to select the appropriate extinguisher based on class of fire, they must go through testing procedure of extinguisher and proceed to extinguish fire.	<input type="checkbox"/> Y	<input type="checkbox"/> N
	(PC 3.4)	Fire is attacked using the extinguishing media/agent and application techniques appropriate to the class and size of fire.	<input type="checkbox"/> Y	<input type="checkbox"/> N
	(PC 2.8)	Extinguishing media/agent is selected according to the class/classes of fire	<input type="checkbox"/> Y	<input type="checkbox"/> N

Task No	PC	Task Description - PE & PC	Yes	No
12		<i>(PE12): Performing after-use maintenance on SCBA</i> - Student is to re-fill tank and check over gear after use to check for damage and ensure it is emergency ready for next use The student must establish a fire watch to prevent further fire outbreaks. Student must prevent any access to fire zone area after fire has been put out so investigations can be carried out.	<input type="checkbox"/> Y	<input type="checkbox"/> N
	(PC 4.1)	Fire watch is maintained to prevent further outbreak.	<input type="checkbox"/> Y	<input type="checkbox"/> N
	(PC 4.2)	Fire scene is preserved prior to investigation, as appropriate.	<input type="checkbox"/> Y	<input type="checkbox"/> N
	(PC 2.3)	Condition of firefighting equipment and systems in work area is monitored according to planned maintenance schedules.	<input type="checkbox"/> Y	<input type="checkbox"/> N

Task No	PC	Task Description - PE & PC	Yes	No
13		<i>(PE13): Working effectively with team members when responding to a fire</i> - Student must demonstrate in final drill they can muster promptly with full gear donned and ready to respond to the emergency, they must communicate effectively with the other fire teams and crew using radio and also hand signals. Once fire has been extinguished and gear packed away the student must attend a debrief meeting bringing anything important to the supervisors attention for further improvement.	<input type="checkbox"/> Y	<input type="checkbox"/> N
	(PC 3.7)	Communication is maintained to ensure safety and efficiency of firefighting operation.	<input type="checkbox"/> Y	<input type="checkbox"/> N
	(PC 2.4)	Realistic drills and musters are practised to ensure pre-incident readiness of response personnel.	<input type="checkbox"/> Y	<input type="checkbox"/> N
	(PC 4.3)	Information relating to the incident is provided as part of fire debriefing session.	<input type="checkbox"/> Y	<input type="checkbox"/> N

Student name

Student signature

Date

Assessor name

Assessor signature

Date
