

Task No.	STCW Competence	Knowledge, Understanding, and Proficiency	Performance Condition	Performance Behavior	Performance Standard
15.1.A <i>All</i>	Monitor compliance with legislative requirements	Basic working knowledge of the relevant IMO conventions concerning safety of life at sea and protection of the marine environment	Onboard ship or in a laboratory, when asked by a Qualified Assessor,	the candidate describes legislative requirements relating to safety of life at sea, security and protection of the environment.	The candidate describes appropriate legislative requirements.
16.1.A <i>All</i>	Application of leadership and teamworking skills	Working knowledge of shipboard personnel management and training	Aboard ship or in an approved training program, when asked by a Qualified Assessor,	the candidate describes the basic duties and responsibilities of vessel personnel.	<p>The candidate describes the duties and responsibilities of:</p> <ol style="list-style-type: none"> 1. The Master 2. Deck department, including: <ol style="list-style-type: none"> a. Chief Mate; b. Second Mate; c. Third Mate; d. Bosun; e. Able Seamen; f. Entry Level Deck; 3. Engine department, including: <ol style="list-style-type: none"> a. Chief Engineer; b. First Assistant Engineer; c. Second Assistant Engineer; d. Third Assistant Engineer; e. QMEDs; f. Entry Level Engine; 4. Steward's department, including: <ol style="list-style-type: none"> a. Chief Steward; b. Chief Cook; and c. Entry Level Steward's Department

Successful completion of these Assessment Guidelines will provide satisfactory evidence of meeting the standard of competence specified in Section A-III/1 of the STCW Code. The use of these Assessment Guidelines is not mandatory and alternative means of having achieved the standards of competence in the STCW Code will be considered. In accordance with 46 CFR 11.301(a)(1)(i), alternative Assessment Guidelines must be approved by the National Maritime Center before use.

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16.2.A <i>All</i>	Application of leadership and team working skills	A knowledge of related international maritime conventions and recommendations, and national legislation	Aboard ship or in an approved training program, when asked by a Qualified Assessor,	the candidate describes the basic international maritime conventions and national regulations.	<p>The candidate describes the basic international conventions and location of information concerning these programs aboard ship related to:</p> <ol style="list-style-type: none"> 1. International Convention for the Safety of Life at Sea (SOLAS); 2. International Ship and Port Facility Security Code (ISPS); 3. International Safety Management Code (ISM); 4. International Convention on Standards of Training, Certification and Watchkeeping for Seafarers 1978, as amended (STCW); 5. MARPOL 73/78 and its Annexes; 6. Oil Pollution Act of 1990 (OPA 90); 7. United States laws and regulations on inspection and manning of vessels; 8. United States laws and regulations on shipment and discharge of seamen; 9. U. S. Coast Guard chemical testing requirements (46 CFR Part 16); 10. Department of Transportation Hazardous Materials training requirements; and 11. Onboard contracts, including labor contracts.

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16.3.A <i>All</i>	Application of leadership and team working skills	<p>Ability to apply task and workload management, and effective resource management including:</p> <ul style="list-style-type: none"> .1 Planning and co-ordination .2 Personnel assignment .3 Time and resource constraints .4 Prioritization .5 Allocation, assignment, and prioritization of resources .6 Effective communication onboard and ashore .7 Decisions reflect consideration of team experiences .8 Assertiveness and leadership, including motivation .9 Obtaining and maintaining situational awareness 	On a vessel or on a simulator,	the candidate plans for and assists in taking on bunkers.	<p>The candidate:</p> <ol style="list-style-type: none"> 1. Meets with the Chief and Second Assistant Engineers to plan and schedule the order of events in anticipation of the shore-side bunker hose connection or bunker barge arrival; 2. Follows anti-pollution procedures (e.g., plug scuppers, provide vent drip buckets and absorbent medium, etc.); 3. Transfers oil internally (under supervision) if required; 4. Sound tanks and records levels that are planned to receive bunkers; 5. Helps identify and train subordinate personnel who will be assigned to help sound filling tanks and/or communicate with pumping personnel; 6. Supervises/assists in the connection of the bunker hose to the vessel taking particular note of type and condition of flange gasket(s); 7. Reads and discusses the Declaration of Inspection; 8. Checks hose connections for tightness and proper valve line-up; 9. Tests methods of communication with barge/shore side, deck and engine room, and sounding personnel; 10. Notifies both the mate and engineer on watch before commencing operations; 11. Starts process slowly; checking for leaks in hoses and connections; <p style="text-align: right;"><i>Continued on next page</i></p>

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16.3.A <i>Continued</i> <i>All</i>					<p><i>Continued from previous page</i></p> <ol style="list-style-type: none"> 12. Takes required samples directly from barge tanks or sample valve on hose/flange; 13. Tests sample of incoming oil with respect to specific gravity, viscosity, sediment, water content, etc., if such testing equipment is on board; 14. Assists in monitoring progress, flow rates, sounding of tanks, topping off, and changing over tanks according to plan; 15. Periodically checks bilges for oil content if oil is flowing through piping in the engine room (filling double-bottom tanks); 16. Slows bunkering rate as last tank is being filled and secures operations as level approaches predetermined value; 17. Assists in securing from the evolution; and 18. Assists in making proper entries into Engine Log and Oil Record Books

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16.4.A <i>All</i>	Application of leadership and team working skills	<p>Knowledge and ability to apply decision-making techniques:</p> <p>.1 Situation and risk assessment</p> <p>.2 Identify and consider generated options</p> <p>.3 Selecting course of action</p> <p>.4 Evaluation of outcome effectiveness</p>	On board a vessel or in an approved training program, during a fire or emergency simulation,	the candidate supervises a fire or emergency team under the supervision of the normally assigned supervisor.	<p>The candidate:</p> <ol style="list-style-type: none"> 1. Briefs the team on the situation, the approach to remedying the simulated emergency, and the procedures to be executed; 2. Delegates tasks to each of the assigned crewmembers, briefing them about any special procedures or events that may concern them; 3. Checks the assigned crewmembers to ensure that they are using personal protective equipment (PPE) correctly and appropriately; 4. Checks the assigned crewmembers to ensure that they have made available any equipment that will be needed to accomplish the assigned tasks, both team and individual; 5. Executes the generated plan to handle the emergency simulation; and 6. Participates in the post-simulation critique and presents the positive results of the simulation, the negative findings of the simulation, and makes recommendations to improve procedures, equipment availability, and personnel training.

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