

APPENDIX E

STANDARD OF COMPETENCE FOR SEAFARERS DESIGNATED TO PROVIDE PERSONAL SAFETY AND SOCIAL RESPONSIBILITIES

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STANDARD OF COMPETENCE FOR SEAFARERS DESIGNATED TO PROVIDE PERSONAL SAFETY AND SOCIAL RESPONSIBILITIES

STANDARD - SECTION A-VI/1-4 OF STCW CODE

.2 Seafarers employed or engaged in any capacity on board ship on the business of that ship as part of the ship's complement with designated safety or pollution prevention duties in the operation of the ship shall, before being assigned to any shipboard duties:

.1 receive appropriate approved basic training or instruction in:

.1.1 personal survival techniques as set out in table A-VI/1-1,

.1.2 fire prevention and fire-fighting as set out in table A-VI/1-2,

.1.3 elementary first-aid as set out in table A-VI/1-3, and

.1.4 personal safety and social responsibilities as set out in table A-VI/1-4.

.2 be required to provide evidence of having achieved the required standard of competence to undertake the tasks, duties and responsibilities listed in column 1 of tables A-VI/1-1, A-VI/1-2, A-VI/1-3 and A-VI/1-4 within the previous five years through:

.2.1 demonstration of competence, in accordance with the methods and the criteria for evaluating competence tabulated in columns 3 and 4 of those tables; and

.2.2 examination or continuous assessment as part of an approved training programme in the subjects listed in column 2 of those tables.

3 The Administration may, in respect of ships other than passenger ships of more than 500 gross tonnage engaged on international voyages and tankers, if it considers that a ship's size and the length or character of its voyage are such as to render the application of the full requirements of this section unreasonable or impracticable, exempt to that extent the seafarers on such a ship or class of ships from some of the requirements, bearing in mind the safety of people on board, the ship and property and the protection of the marine environment.

TABLE A-VI/1-4 OF STCW CODE
STANDARD OF COMPETENCE FOR SEAFARERS DESIGNATED TO
PROVIDE
PERSONAL SAFETY AND SOCIAL RESPONSIBILITIES

Specification Of Minimum Standard Of Competence In Personal Safety And Social Responsibilities

COMPETENCE	KNOWLEDGE, UNDERSTANDING AND PROFICIENCY	METHODS FOR DEMONSTRATING COMPETENCE	CRITERIA FOR EVALUATING COMPETENCE
<p>Comply with emergency procedures</p>	<p>Types of emergency which may occur, such as collision, fire, foundering</p> <p>Knowledge of shipboard contingency plans for response to emergencies</p> <p>Emergency signals and specific duties allocated to crew members in the muster list; muster stations; correct use of personal safety equipment</p> <p>Action to take on discovering potential emergency, including fire, collision, foundering and ingress of water into the ship</p> <p>Action to take on hearing emergency alarm signals</p> <p>Value of training and drills</p> <p>Knowledge of escape routes and internal communication and alarm systems</p>	<p>Assessment of evidence obtained from approved instruction or during attendance at an approved course</p>	<p>Initial action on becoming aware of an emergency conforms to established emergency response procedures</p> <p>Information given on raising alarm is prompt, accurate, complete and clear</p>

Take precautions to prevent pollution of the marine environment	Effects of operational or accidental pollution of the marine environment Basic environmental protection procedures	Assessment of evidence obtained from approved instruction or during attendance at an approved course	Organizational procedures designed to safeguard the marine environment are observed at all times
COMPETENCE	KNOWLEDGE, UNDERSTANDING AND PROFICIENCY	METHODS FOR DEMONSTRATING COMPETENCE	CRITERIA FOR EVALUATING COMPETENCE
Observe safe working practices	Importance of adhering to safe working practices at all times Safety and protective devices available to protect against potential hazards aboard ship Precautions to be taken prior to entering enclosed spaces Familiarization with international measures concerning accident prevention and occupational health*	Assessment of evidence obtained from approved instruction or during attendance at an approved course	Safe working practices are observed and appropriate safety and protective equipment is correctly used at all times
Understand orders and be understood in relation to shipboard duties	Ability to understand orders and to communicate with others in relation to shipboard duties	Assessment of evidence obtained from approved instruction or during attendance at an approved course	Communications are clear and effective at all times
Contribute to effective human relationships on board ship	Importance of maintaining good human and working relationships aboard ship Social responsibilities; employment conditions; individual rights and obligations; dangers of drug and alcohol abuse	Assessment of evidence obtained from approved instruction or during attendance at an approved course	Expected standards of work and behavior are observed at all times

Coast Guard Assessment Guidelines for TABLE A-VI/1-4
Specification for minimum standard of competency in Personal Safety and Social Responsibility

Column 1 STCW Competence	Column 2 Knowledge, understanding and proficiency	Column 3 Performance Condition(s)	Column 4 Performance Behavior (Mariner knowledge or action)	Column 5 Performance Standard(s) (Criteria against which performance is measured)
Comply with emergency procedures	Knowledge of types of emergencies which may occur	When asked to describe the types of emergencies which may occur,	the candidate will describe in writing the types of emergencies that may occur.	The candidate will correctly describe at least 70% (4) of the following emergencies: (1) collision, (2) fire, (3) foundering, (4) grounding and (5) weather related emergencies.
	Knowledge of emergency signals and specific duties allocated to crew members in the muster list; muster stations; correct use of personal safety equipment	When asked to state the location of station bills and forecastle card, and describe the information they contain,	the candidate will state in writing the location of station bills and forecastle card, and describe the information they contain.	The candidate will state the location of station bills and forecastle card, and describe all of the following information they contain: (1) fire alarm signal; (2) actions to be taken by crew and passengers upon hearing the general alarm; (3) abandon ship signal; and, (4) duties assigned to each member of the crew along with the location of their lifeboat station.
		When asked to state the purpose, location, and circumstances requiring lifejackets, exposure suits, hardhats, goggles, respirators, emergency escape breathing device, hearing protection, safety shoes and lumbar support belt,	the candidate will state in writing the purpose, location, and circumstances requiring lifejackets, exposure suits, hardhats, goggles, respirators, emergency escape breathing device, hearing protection, safety shoes and lumbar support belt.	The candidate will correctly state the purpose, location, and circumstances requiring lifejackets, exposure suits, hardhats, goggles, respirators, emergency escape breathing device, hearing protection, safety shoes and lumbar support belt.

NAVIGATION AND VESSEL INSPECTION CIRCULAR NO. 5-00

Column 1 STCW Competence	Column 2 Knowledge, understanding and proficiency	Column 3 Performance Condition(s)	Column 4 Performance Behavior (Mariner knowledge or action)	Column 5 Performance Standard(s) (Criteria against which performance is measured)
	Knowledge of shipboard contingency plans for response to emergencies	When asked to list the steps to taken to report a fire,	the candidate will list in writing the steps to taken to report a fire.	The candidate will correctly list all of the following steps to be taken to report a fire: (1) pass word to an area where an alarm can be sounded i.e. bridge or engine room or sound the general alarm if available; (2) give all pertinent details concerning the fire location, type and size; and, (3) report actions taken so far.
		When asked to list the steps to take upon seeing or hearing a person fall overboard,	the candidate will list in writing the steps to take upon seeing or hearing a person fall overboard.	The candidate will list all of the following actions to take upon seeing or hearing a person fall overboard: (1) shout "Man Overboard;" (2) throw a life ring; (3) notify the bridge as quickly as possible; and, (4) attempt to keep person in sight.
	Know actions to take on discovering potential emergencies, including fire, collision, foundering and ingress of water into the ship	When given a particular situation, and asked to identify the proper person to alert,	the candidate will identify in writing the proper person to alert for the situation given.	The candidate will correctly identify the proper person to alert for all of the following situations given: (1) fire; (2) collision; (3) foundering; and, (4) ingress of water into the ship.

Coast Guard Assessment Guidelines for TABLE A-VI/1-4
Specification for minimum standard of competency in Personal Safety and Social Responsibility

Column 1 STCW Competence	Column 2 Knowledge, understanding and proficiency	Column 3 Performance Condition(s)	Column 4 Performance Behavior (Mariner knowledge or action)	Column 5 Performance Standard(s) (Criteria against which performance is measured)
	Know actions to take on hearing emergency alarm signals	When asked to list the actions to be taken upon hearing fire and abandon ship alarms,	the candidate will list in writing the actions to be taken upon hearing fire and abandon ship alarms.	The candidate will correctly list all of the following actions to be taken upon hearing a fire alarm: (1) follow directions on station bill by reporting to assigned emergency fire station; and (2) will, in 1 minute or less, correctly list all of the following actions to be taken upon hearing an abandon ship signal: (1) don appropriate clothing; (2) don PFD; (3) bring immersion suit; (4) perform assigned station bill duties prior to reporting to boat station; and, (5) report to boat station.
	Know value of training and drills.	When asked to list the reasons for requiring crew participation in training and drills,	the candidate will list in writing the reasons for requiring crew participation in training and drills.	The candidate will list at least 1 of the following reasons for requiring crew participation in training and drills: (1) prepares crew for any possible emergency; (2) repetition through drills allows for an immediate response to emergencies; (3) proper emergency procedures can save your life; or (4) all crew members rely on each other to carry out their assigned duties during emergency situations.

NAVIGATION AND VESSEL INSPECTION CIRCULAR NO. 5-00

Column 1 STCW Competence	Column 2 Knowledge, understanding and proficiency	Column 3 Performance Condition(s)	Column 4 Performance Behavior (Mariner knowledge or action)	Column 5 Performance Standard(s) (Criteria against which performance is measured)
		When a shipboard communication device is named by the assessor and asked to describe its location and operation,	the candidate will describe in writing the location and operation of each shipboard communication device named by the assessor.	The candidate will, in 1 minutes or less for each device, describe the location and operation of all of the following shipboard communication devices named by the assessor: (1) internal phone system; (2) sound powered phone system; (3) intercoms; (4) voice tubes; and, (5) hand held radios.
		When a shipboard alarm system in named and then, asked to describe its location, purpose and actions to be taken for its alarm,	the candidate will describe in writing the locations, purpose and actions to be taken for each of the shipboard alarm systems named.	The candidate will, for each system, correctly describe the locations, purpose and actions to be taken when each of the following shipboard alarm systems is named by the assessor: (1) general alarms; (2) ship's whistle; (3) ship's bell; (4) CO ₂ alarm; and, (5) engineer's call alarm.
Take precautions to prevent pollution of the marine environment	Know the effects of operational or accidental pollution of the marine environment.	When asked to describe the short and long term effects of pollution on water, the shoreline and marine life,	the candidate will in writing describe the short and long-term effects of pollution on water, the shoreline and marine life.	the candidate wil correctly describe in writing the short and long-term effects of pollution on each of the following: water, shoreline and marine life.

Coast Guard Assessment Guidelines for TABLE A-VI/1-4
Specification for minimum standard of competency in Personal Safety and Social Responsibility

Column 1 STCW Competence	Column 2 Knowledge, understanding and proficiency	Column 3 Performance Condition(s)	Column 4 Performance Behavior (Mariner knowledge or action)	Column 5 Performance Standard(s) (Criteria against which performance is measured)
	Know the basic environmental protection procedures.	When asked to describe the important provisions of MARPOL, annexes 1 & 5,	the candidate will describe in writing the important provisions of MARPOL, annexes 1 & 5.	The candidate will correctly describe the important provisions of MARPOL, annexes 1 & 5 to include under what conditions and in what locations the discharge of oil, garbage and plastics is permissible; and, (2) the obligation to report oil spills.
		When asked to explain why operational procedures must be followed to safeguard the marine environment,	the candidate will explain in writing why operational procedures must be followed to safeguard the marine environment based on appropriate tenets of MARPOL.	The candidate will explain why operational procedures must be followed to safeguard the marine environment by stating one or more of the following concepts: (1) operational procedures reflect requirements of the law; (2) operational procedures reflect the analysis of how the ship systems need to operate to comply with the law; or (3) operational procedures are designed to take the “guess work” out of safeguarding the marine environment.

NAVIGATION AND VESSEL INSPECTION CIRCULAR NO. 5-00

Column 1 STCW Competence	Column 2 Knowledge, understanding and proficiency	Column 3 Performance Condition(s)	Column 4 Performance Behavior (Mariner knowledge or action)	Column 5 Performance Standard(s) (Criteria against which performance is measured)
Observe safe working practices	Know the importance of adhering to safe working practices at all times.	When asked to describe areas or conditions aboard ship where injuries are common (frequent or more likely) and special attention to prevention is needed,	the candidate will describe in writing areas or conditions aboard ship where injuries are common (frequent or more likely) and special attention to prevention is needed.	The candidate will describe at least 5 of the following areas or conditions aboard ship where injuries are common (frequent or more likely) and special attention to prevention is needed: (1) slippery surfaces; (2) stairwells and ladders; (3) dimly lit areas; (4) areas of moving machinery; (5) mooring lines, and coiled lines or hoses; (6) electrical hazards; (7) hot surfaces; (8) areas of entrapment.
		When asked to describe common safety practices for shipboard work,	the candidate will describe in writing common safety practices for shipboard work.	The candidate will correctly describe all 3 common safety practices for shipboard work: (1) “one hand for me and one for the ship”; (2) proper lifting techniques; and, (3) get help when needed.
	Know precautions to be taken prior to entering enclosed spaces.	When asked to define an “enclosed space” and describe the dangers associated with enclosed spaces,	the candidate will define in writing an “enclosed space” and describe the dangers associated with enclosed spaces.	The candidate will correctly define an “enclosed space” and describe at least 2 of the following dangers associated with enclosed spaces: (1) lack of oxygen; (2) dangerous gases, fumes and vapors; (3) lack of lighting; (4) limited access; (5) poor lighting; and (6) poor footing.

Coast Guard Assessment Guidelines for TABLE A-VI/1-4
Specification for minimum standard of competency in Personal Safety and Social Responsibility

Column 1 STCW Competence	Column 2 Knowledge, understanding and proficiency	Column 3 Performance Condition(s)	Column 4 Performance Behavior (Mariner knowledge or action)	Column 5 Performance Standard(s) (Criteria against which performance is measured)
		When asked to list procedures to take prior to entry into an enclosed space,	the candidate will list in writing procedures to take prior to entry into an enclosed space.	The candidate will correctly list all of the following procedures to take prior to entry into an enclosed space: (1) open and ventilate space; (2) test atmosphere; (3) obtain entry approval; (4) have available and use proper entry equipment; and, (5) continue to monitor atmosphere and entry personnel.
	Familiarization with international measures concerning accident prevention and occupational health.	When asked to identify dangerous conditions, safety hazards or other non-conformities,	the candidate will identify in writing dangerous conditions, safety hazards or other non-conformities as noted in applicable national or international standards.	The candidate will correctly identify dangerous conditions, safety hazards or other non-conformities.
Understand orders and be understood in relation to shipboard duties	Ability to understand orders and to communicate with others in relation to shipboard duties.	When asked to describe the importance of understanding and obeying orders and communicating with others in carrying out their shipboard duties,	the candidate will describe in writing the importance of understanding and obeying orders and communicating with others in carrying out their shipboard duties.	The candidate will describe the importance of understanding and obeying orders and communicating with others in carrying out their shipboard duties.

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Column 1 STCW Competence	Column 2 Knowledge, understanding and proficiency	Column 3 Performance Condition(s)	Column 4 Performance Behavior (Mariner knowledge or action)	Column 5 Performance Standard(s) (Criteria against which performance is measured)
		When asked to explain the necessity to learn and use proper shipboard terminology and technical terms as soon as possible,	the candidate will explain in writing the necessity to learn and use proper shipboard terminology and technical terms as soon as possible.	The candidate will explain the necessity to learn and use proper shipboard terminology and technical terms as soon as possible by listing at least 1 of the following reasons: (1) shipboard terminology is cultural; (2) shipboard terminology provides a uniform and most commonly understood means of communication; (3) most shipboard tasks and operations are either large or complex and thus, involve coordination and communication with other departments or people; or, (4) other similar concepts.
		When asked to explain the need for effective communication skills aboard ship,	the candidate will explain in writing the need for effective communication skills aboard ship.	The candidate will explain the need for effective communication skills aboard ship by discussing any of the following points: (1) ship operations are complex and require the coordinated action of many crew members; (2) ship systems are complex and require precise communication to operate and maintain; and, (3) emergency situations require fast, precise communication for lives and the vessel to be saved.

Coast Guard Assessment Guidelines for TABLE A-VI/1-4
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Contribute to effective human relationships on board ship	Know the importance of maintaining good human and working relationships aboard ship.	When asked to describe why cooperation is necessary, and why interpersonal problems should be reported before they escalate,	the candidate will describe in writing why cooperation is necessary, and why interpersonal problems should be reported before they escalate.	The candidate will describe why cooperation is necessary, and why interpersonal problems should be reported before they escalate by stating any of the following concepts as: (1) harmony and teamwork are essential to crew effectiveness; (2) good interpersonal relations foster teamwork and harmony; (3) the unique circumstances of operational stress and being confined to a vessel make good interpersonal relationships vital; (4) seeking help is one of the most effective means toward resolving interpersonal problems.
		When asked to state the circumstances when harassment against another person is permitted,	the candidate will state in writing the circumstances when harassment against another person is permitted.	The candidate will state that there are no circumstances when harassment against another person is permitted.
		When asked to give examples of verbal, physical and sexual harassment,	the candidate will give in writing examples of verbal, physical and sexual harassment.	The candidate will give at least one example each for verbal, physical and sexual harassment.

NAVIGATION AND VESSEL INSPECTION CIRCULAR NO. 5-00

Column 1 STCW Competence	Column 2 Knowledge, understanding and proficiency	Column 3 Performance Condition(s)	Column 4 Performance Behavior (Mariner knowledge or action)	Column 5 Performance Standard(s) (Criteria against which performance is measured)
		When asked to describe the necessity of following orders to ensure the safe and productive operation of the vessel,	the candidate will describe in writing the necessity of following orders to ensure the safe and productive operation of the vessel.	The candidate will describe the necessity of following orders to ensure the safe and productive operation of the vessel by stating at least 1 reason similar to the following: (1) the master of the vessel and crew will assume that the order is being complied with as they continue to operate the vessel; (2) orders reflect the individual's role in the larger, more complex operation of the ship; (3) when an order is given, others depend on its successful and prompt completion in order to carry out their duties.
	Understand social responsibilities; employment conditions; individual rights and obligations; dangers of drug and alcohol abuse.	When asked to name organizations the seafarer has the right to report situations concerning harassment, unfair practices, or unsafe conditions,	the candidate will name in writing organizations the seafarer has the right to report situations concerning harassment, unfair practices, or unsafe conditions.	The candidate will name at least one of the following organizations the seafarer has the right to report situations concerning harassment, unfair practices, or unsafe conditions: (1) appropriate federal agencies; (2) union representatives; or (3) company officials.

Coast Guard Assessment Guidelines for TABLE A-VI/1-4
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Column 1 STCW Competence	Column 2 Knowledge, understanding and proficiency	Column 3 Performance Condition(s)	Column 4 Performance Behavior (Mariner knowledge or action)	Column 5 Performance Standard(s) (Criteria against which performance is measured)
		When asked if performing assigned duties while under the influence of alcohol or illicit drugs is a violation of federal law and why,	the candidate will state in writing whether performing assigned duties while under the influence of alcohol or illicit drugs is a violation of federal law and explain why.	The candidate will state that performing assigned duties while under the influence of alcohol or illicit drugs is a violation of federal law because these chemicals severely impair judgment, speech and emotional stability.

* These competencies are knowledge based. The assessment of the required knowledge may be a written multiple-choice examination. The student must achieve a minimum-passing grade of 80%.