

**Proposed Changes to
Chapter IV (Radio communication) &
Chapter VI (Emergency, occupational safety, security,
medical care & survival functions) &
IMO Model Courses**

Rod Short
Executive Secretary - GlobalMET
Managing Director - AustralAsian
Maritime Education Services Limited

Table A-VI/1-4

Specification of minimum standard of competence in personal safety and social responsibilities

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Column 1	Column 2	Column 3	Column 4
Competence	Knowledge, understanding and proficiency	Methods for demonstrating competence	Criteria for evaluating competence
Comply with emergency procedures	<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>	Assessment of evidence obtained from approved instruction or during attendance at an approved course	<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>

Table A-VI/1-4

Specification of minimum standard of competence in personal safety and social responsibilities (Contd.)

	<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>		
Take precautions to prevent pollution of the marine environment	Basic knowledge of the impact of shipping on the marine environment and the effects of operational or accidental pollution on it	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

Table A-VI/1-4

Specification of minimum standard of competence in personal safety and social responsibilities (Contd.)

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Column 1 Competence	Column 2 Knowledge, understanding and proficiency	Column 3 Methods for demonstrating competence	Column 4 Criteria for evaluating competence
	<p>Basic environmental protection procedures</p> <p>Basic knowledge of complexity and diversity of the marine environment</p>		
Observe safe working practices	<p>Importance of adhering to safe working practices at all times</p> <p>Safety and protective devices available to protect against potential hazards aboard ship</p> <p>Precautions to be taken prior to entering enclosed spaces</p>	<p>Assessment of evidence obtained from approved instruction or during attendance at an approved course</p>	<p>Safe working practices are observed and appropriate safety and protective equipment is correctly used at all times</p>

Table A-VI/1-4

Specification of minimum standard of competence in personal safety and social responsibilities (Contd.)

	Familiarization with international measures concerning accident prevention and occupational health*		
<p>Understand orders and be understood in relation to shipboard duties</p> <p>Contribute to effective communications on board ship</p>	<p>Ability to understand orders and to communicate with others in relation to shipboard duties</p> <p>Understand the principles of, and barriers to, effective communication between individuals and teams within the ship</p> <p>Ability to establish and maintain effective communications</p>	<p>Assessment of evidence obtained from approved instruction or during attendance at an approved course</p>	<p>Communications are clear and effective at all times</p>

* The ILO Code of Practice on "Accident Prevention on Board Ship at Sea and in Port" may be of assistance in the preparation of courses.

Table A-VI/1-4

Specification of minimum standard of competence in personal safety and social responsibilities (Contd.)

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Column 1	Column 2	Column 3	Column 4
Competence	Knowledge, understanding and proficiency	Methods for demonstrating competence	Criteria for evaluating competence
Contribute to effective human relationships on board ship	<p>Importance of maintaining good human and working relationships aboard ship</p> <p>Basic team working principles and practice, including conflict resolution</p> <p>Social responsibilities; employment conditions; individual rights and obligations; dangers of drug and alcohol abuse</p>	Assessment of evidence obtained from approved instruction or during attendance at an approved course	Expected standards of work and behaviour are observed at all times

Table A-VI/1-4

Specification of minimum standard of competence in personal safety and social responsibilities (Contd.)

<p>Understand and take necessary actions to control fatigue</p>	<p>Importance of obtaining the necessary rest</p> <p>Effects of sleep, schedules, and the circadian rhythm on fatigue</p> <p>Effects of physical stressors on seafarers</p> <p>Effects of environmental stressors in and outside the ship and their impact on seafarers</p> <p>Effects of schedule changes on mariner fatigue</p>	<p>Assessment of evidence obtained from approved instruction or during attendance at an approved course</p>	<p>Fatigue management practices are observed and appropriate actions used at all times</p>
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Table A-VI/1-5

Specification of minimum standard of competence in security awareness

Column 1	Column 2	Column 3	Column 4
Competence	Knowledge, understanding and proficiency	Methods for demonstrating competence	Criteria for evaluating competence
Contribute to the enhancement of maritime security through heightened awareness [of potential threats* and appropriate responses thereto]	<p>Basic working knowledge of maritime security terms and definitions</p> <p>Basic knowledge of international maritime security policy and responsibilities of Governments, Companies and persons</p> <p>Basic knowledge of maritime security levels and their impact on security measures and procedures aboard ship and in port facilities</p>	Assessment of evidence obtained from approved instruction or during attendance at an approved course	Requirements relating to enhanced maritime security are correctly identified

* These include, but not limited to, piracy & armed robbery against ships, stowaways, illegal migration, terrorism & illicit drug trafficking.

Table A-VI/1-5

Specification of minimum standard of competence in security awareness

	<p>Basic knowledge of security reporting procedures</p> <p>Basic knowledge of security-related contingency plans</p>		
Recognition of security threats	<p>Basic knowledge of techniques used to circumvent security measures</p> <p>Basic knowledge enabling recognition of potential security threats</p>	Assessment of evidence obtained from approved instruction or during attendance at an approved course	Maritime security threats are correctly identified

* These include, but not limited to, piracy & armed robbery against ships, stowaways, illegal migration, terrorism & illicit drug trafficking.

Table A-VI/1-5

Specification of minimum standard of competence in security awareness (contd.)

Column 1	Column 2	Column 3	Column 4
Competence	Knowledge, understanding and proficiency	Methods for demonstrating competence	Criteria for evaluating competence
	<p>Basic knowledge enabling recognition of weapons, dangerous substances, and devices and awareness of the damage they can cause</p> <p>Basic knowledge in handling security-related information and security-related communications</p>		
Understanding of the need for and methods of maintaining security awareness and vigilance	Basic knowledge of training, drill and exercise requirements under relevant conventions and codes	Assessment of evidence obtained from approved instruction or during attendance at an approved course	Requirements relating to enhanced maritime security are correctly identified

Table A-VI/3-2

Specification of minimum standard of competence in tanker fire fighting

Column 1	Column 2	Column 3	Column 4
Competence	Knowledge, understanding and proficiency	Methods for demonstrating competence	Criteria for evaluating competence
Carrying out fire fighting operations on board tankers	<p>Tankers fire organization and action to be taken</p> <p>Special hazards associated with cargo handling and transportation of hazardous and noxious liquids in bulk</p>	Assessment of evidence obtained from approved instruction or during attention at an approved course	<p>Initial actions on becoming aware of an emergency conform with accepted practices and procedures</p> <p>Action taken on identifying muster signals is appropriate to the indicated emergency and complies with established procedures</p>

Table A-VI/3-2

Specification of minimum standard of competence in tanker fire fighting (contd.)

Page 27

<p>Fight and Extinguish Fires</p>	<ol style="list-style-type: none"> 1. Extinguish flammable liquid fires with foam 2. Extinguish flammable gas fires with dry chemical agents 3. Uses fire fighting water to limit the spread of fire 	<p>Assessment of evidence obtained from practical demonstration</p>	<p>Clothing and equipment are appropriate to the nature of the fire-fighting operations</p> <p>The timing and sequence of individual actions are appropriate to the prevailing circumstances and conditions</p> <p>Extinguishment of fire is achieved</p> <p>Using appropriate procedures, techniques and fire-fighting agents]</p>
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Table A-VI/6

Mandatory minimum requirements for those with designated security duties

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Standard of competence

1 Every seafarer who is designated to perform security duties shall be required to demonstrate competence to undertake the tasks, duties and responsibilities listed in column 1 of table A-VI/6.

2 The level of knowledge of the subjects in column 2 of table A-VI/6 shall be sufficient to enable every candidate to perform on board designated security duties.

3 Every candidate for certification shall be required to provide evidence of having achieved the required standard of competence through:

.1 demonstration of competence to undertake the tasks, duties and responsibilities listed in column 1 of table A-VI/6, in accordance with the methods for demonstrating competence and the criteria for evaluating competence tabulated in columns 3 and 4 of that table; and

.2 examination or continuous assessment as part of an approved training programme covering the material set out in column 2 of table A-VI/6.

Table A-VI/6

Mandatory minimum requirements for those with designated security duties (contd.)

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Transitional provisions

4 Until *<date of entry into force + 2 years>*, seafarers who commenced an approved seagoing service prior to the date of entry into force of this section shall be able to demonstrate competence to undertake the tasks, duties and responsibilities listed in column 1 of table A-VI/6 by:

- .1 approved seagoing service as shipboard personnel with designated security duties, for a period of at least six months in total during the preceding three years; or
- .2 having performed security functions considered to be equivalent to the seagoing service required in paragraph 4.1; or
- .3 passing an approved test; or
- .4 successfully completing approved training.

Table A-VI/6

Specifications of minimum standards of proficiency competence for seafarers with designated security duties

Column 1	Column 2	Column 3	Column 4
Competence	Knowledge, understanding and proficiency	Methods for demonstrating competence	Criteria for evaluating competence
Maintain the conditions set forth in a ship security plan	<p>Working knowledge of maritime security terms and definitions</p> <p>Knowledge of international maritime security policy and responsibilities of Governments, Companies and persons</p> <p>Knowledge of maritime security levels and their impact on security measures and procedures aboard ship and in the port facilities</p>	Assessment of evidence obtained from approved instruction or during attendance at an approved course	<p>Procedures and actions are in accordance with the principles established by the ISPS Code and SOLAS Convention</p> <p>Legislative requirements relating to security are correctly identified</p> <p>Communications within the area of responsibility are clear and understood</p>

Table A-VI/6

Specifications of minimum standards of ~~proficiencies~~ competence for seafarers with designated security duties (contd.)

	Knowledge of security reporting procedures		
	Knowledge of procedures for drills and exercises		
	Knowledge of the procedures for conducting inspections and surveys and for the control and monitoring of security activities specified in a ship security plan		
	Knowledge of security-related contingency plans and the procedures for responding to security		

Table A-VI/6

Specifications of minimum standards of ~~proficiencies~~ competence for seafarers with designated security duties (contd.)

Column 1	Column 2	Column 3	Column 4
Competence	Knowledge, understanding and proficiency	Methods for demonstrating competence	Criteria for evaluating competence
	threats or breaches of security, including provisions for maintaining critical operations of the ship/port interface		
Recognition of security risks and threats	<p>Knowledge of security documentation including the Declaration of Security</p> <p>Knowledge of techniques used to circumvent security measures</p> <p>Knowledge enabling recognition of potential security threats</p>	Assessment of evidence obtained from approved instruction or during attendance at an approved course	Procedures and actions are in accordance with the principles established by the ISPS Code and SOLAS Convention

Table A-VI/6

Specifications of minimum standards of ~~proficiencies~~ competence for seafarers with designated security duties (contd.)

	Knowledge enabling recognition of weapons, dangerous substances, and devices and awareness of the damage they can cause		
	Knowledge of crowd management and control techniques, where appropriate		
	Knowledge in handling security-related information and security-related communications		
	Knowledge of the methods for physical searches and non-intrusive inspections		

Table A-VI/6

Specifications of minimum standards of ~~proficiencies~~ competence for seafarers with designated security duties (contd.)

Competence	Knowledge, understanding and proficiency	Methods for demonstrating competence	Criteria for evaluating competence
Undertake regular security inspections of the ship	<p>Knowledge of the techniques for monitoring restricted areas</p> <p>Knowledge of controlling access to the ship and to restricted areas on board ship</p> <p>Knowledge of methods for effective monitoring of deck areas and areas surrounding the ship</p> <p>Knowledge of inspection methods relating to the cargo and ship's stores</p>	Assessment of evidence obtained from approved instruction or during attendance at an approved course	Procedures and actions are in accordance with the principles established by the ISPS Code and SOLAS Convention

Table A-VI/6

Specifications of minimum standards of ~~proficiencies~~ competence for seafarers with designated security duties (contd.)

	<p>Knowledge of methods for controlling the embarkation, disembarkation and access while on board of persons and their effects</p>		
<p>Proper usage of security equipment and systems, if any</p>	<p>General knowledge of various types of security equipment and systems, including their limitations</p> <p>Knowledge of the need for testing, calibrating, and maintaining security systems and equipment, particularly whilst at sea</p>	<p>Assessment of evidence obtained from approved instruction or during attendance at an approved course</p>	<p>Equipment and systems operations are carried out in accordance with established equipment operating instructions and taking into account the limitations of the equipment and systems</p> <p>Procedures and actions are in accordance with the principles established by the ISPS Code and SOLAS Convention</p>

Thank You!