

COURSE SYLLABUS

Course Code	
Doc. Control No.	
Revision No.	
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Course Title:	SHIP SECURITY AWARENESS TRAINING AND SEAFARERS WITH DESIGNATED SECURITY DUTIES	
	Learning Outcomes	References
	<p>1. know how to maintain the conditions set forth in a ship security plan</p> <p>1.1 know the maritime security terms, including elements that may relate to piracy and armed robbery</p> <p>1.1.1 Introduction</p> <p>1.1.1.1 Course Overview</p> <p>1.1.1.2 Competencies to be achieved</p> <p>1.1.2 identify current security threats and patterns</p> <p>1.1.2.1 Summarize threats to the maritime transport industry, such as:</p> <ul style="list-style-type: none"> ➤ piracy and armed attacks ➤ terrorism ➤ contraband smuggling ➤ stowaways and refugees ➤ cargo theft ➤ collateral damage <p>1.1.3 define</p> <ul style="list-style-type: none"> ➤ Ship Security Plan ➤ Company Security Officer ➤ Ship Security Officer ➤ Port facility ➤ Ship / Port Interface ➤ Ship to ship activity ➤ Port Facility Security Officer ➤ Designated Authority ➤ Recognized Security Organization ➤ Declaration of Security ➤ Security incident ➤ Security Level ➤ the three security levels ➤ terms relating to piracy and armed robbery 	<p>R1: <i>ISPS Code,</i></p> <p>R3 <i>STCW, as amended</i></p> <p>R5 : <i>IMO Model Course 3.26</i></p> <p>R6 : <i>IMO Model Course 3.27</i></p>

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- 1.2** state international maritime security policy and responsibilities of Governments, companies and persons, including working knowledge of elements that may relate to piracy and armed robbery
- 1.2.1 state relevant international conventions, codes, and recommendations
- 1.2.1.1 summarize previous efforts of IMO toward maritime security, such as MSC/Circ.443, SUA Act, etc.
- 1.2.1.2 summarize the rapidity with which IMO acted to enhance maritime security following 9/11
- 1.2.1.3 summarize the amendments to SOLAS Chapter XI and the contents of the ISPS Code
- 1.2.1.4 summarize the security-related provisions of the amendments to the STCW Code
- 1.2.1.5 summarize IMO guidance on preventing and suppressing acts of piracy and armed robbery against ships
- 1.2.2 state relevant government legislation and regulations
- 1.2.2.1 summarize the requirements of relevant national legislation and regulations
- 1.2.3 Understand Ship and port operations and conditions
- 1.2.3.1 Understand the intermodal nature of transportation and the interfaces between ships and other modes
- 1.2.4 state the security responsibilities of the following:
- 1.2.4.1 Contracting governments
- 1.2.4.1.1 summarize the responsibilities of contracting governments with respect to SOLAS Chapter XI-2, the ISPS Code, and the STCW Code.
- 1.2.4.2 Recognized Security Organizations
- 1.2.4.2.1 summarize the role of the Recognized Security Organization
- 1.2.4.3 The company
- 1.2.4.3.1 summarize the responsibilities of the company with respect to:
- ensuring that the master has documents on board relating to the crewing of the ship and its employment
 - ensuring that the Ship Security Plan contains a clear statement emphasizing the master's authority
 - designating a Company Security Officer and a Ship Security officer and ensuring that they are given the necessary support to fulfill their duties and responsibilities
- 1.2.4.4 The ship
- 1.2.4.4.1 state that the ship shall comply with the requirements of the Ship Security Plan as per the security level set
- 1.2.4.5 The port facility
- 1.2.4.5.1 state that port facilities shall comply with the relevant requirements of Chapter XI-2 of SOLAS and the ISPS Code
- 1.2.4.5.2 state that the port facility shall act upon the security levels set by the Administration within whose territory it is located
- 1.2.4.6 Ship Security Officer
- 1.2.4.6.1 state that the company shall designate a Ship

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<p>Security Officer for each ship</p> <p>1.2.4.6.2 list the duties and responsibilities of the Ship Security Officer</p> <p>1.2.4.7 Company Security Officer</p> <p>1.2.4.7.1 state that the company shall designate a Company Security Officer</p> <p>1.2.4.7.2 describe that the person designated as Company Security Officer may act as Company Security Officer for one or more ships provided that it is clearly identified for which ships he or she is responsible</p> <p>1.2.4.7.3 indicate that the company may designate several persons as Company Security Officer provided that it is clearly identified for which ships each is responsible</p> <p>1.2.4.7.4 list the duties and responsibilities of the Company Security Officer</p> <p>1.2.4.8 Port Facility Security Officer</p> <p>1.2.4.8.1 state that the Port Facility Security Officer shall be designated for each facility</p> <p>1.2.4.8.2 state that a person may be designated as the Port Facility Security Officer for one or more facilities</p> <p>1.2.4.8.3 list the duties and responsibilities of the Port Facility Security Officer</p> <p>1.2.4.9 Seafarers with designated security duties</p> <p>1.2.4.9.1 state that members of the ship's crew other than the SSO may be designated security duties in support of the Ship Security Plan</p> <p>1.2.4.10 Port facility personnel with designated security duties</p> <p>1.2.4.10.1 state that facility personnel other than the PFSO may be designated security duties in support of the Facility Security Plan</p> <p>1.2.4.11 Other personnel</p> <p>1.2.4.11.1 state that other ship and port facility personnel may have a role in the enhancement of maritime security</p> <p>1.2.4.11.2 state that personnel other than ship or port facility personnel may have a role in the enhancement of maritime security</p> <p>1.2.4.11.3 state that military, industry, and intergovernmental organizations may have a role in the prevention, suppression, and reporting of piracy and armed robbery against ships</p>	
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<p>1.3 statemaritime security levels and their impact on security measures and procedures aboard ship and in the port facilities</p> <p>1.3.1 state Security Level 1</p> <p>1.3.2 state Security Level 2</p> <p>1.3.3 state Security Level 3</p>	<p>R1: <i>ISPS Code</i>, R3 <i>STCW, as amended</i> R5 : <i>IMO Model Course 3.26</i> R6 : <i>IMO Model Course 3.27</i></p>
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<p>1.4 state security reporting procedures</p> <p>1.4.1 summarize the reporting requirements in case of a security incident, including protocols for reporting attacks and attempted attacks by pirates and armed robbers</p> <p>1.4.2 list the reporting requirements for ships prior to entering port</p>	<p>R1: <i>ISPS Code,</i> R3 <i>STCW, as amended</i> R5 : <i>IMO Model Course 3.26</i> R6 : <i>IMO Model Course 3.27</i></p>
<p>1.5 know the requirements for drills and exercises under relevant conventions, codes and IMO circulars, including working knowledge of those that may relate to piracy and armed robbery</p> <p>1.5.1 list the conditions under the ISPS code where security drills are to be conducted</p> <p>1.5.2 state the requirements for, and importance of, conducting drills and exercises, including those relating to prevention and suppression of piracy and armed robbery against ships</p>	<p>R1: <i>ISPS Code,</i> R3 <i>STCW, as amended</i> R5 : <i>IMO Model Course 3.26</i> R6 : <i>IMO Model Course 3.27</i></p>
<p>1.6 state the procedures for conducting inspections and surveys and for the control and monitoring of security activities specified in a ship security plan</p> <p>1.6.1 Know the inspection, control, and monitoring techniques</p> <p>1.6.1.1 Ship Security Actions</p> <p>1.6.1.2 Actions required by different security levels</p> <p>1.6.1.2.1 state the three security levels and the actions required for each level</p> <p>1.6.1.2.2 identify recommended actions in response to attacks and attempted attacks by pirates and armed robbers</p> <p>1.6.2 Ship Security Assessment</p> <p>1.6.3 Assessment tools</p> <p>1.6.3.1 discuss the use of checklists in conducting security assessments</p> <p>1.6.4 On-scene security surveys</p> <p>1.6.4.1 list the preparations required prior to an on-scene survey</p> <p>1.6.4.2 list the procedures and measures and operations to be evaluated during an on-scene survey</p> <p>1.6.4.3 discuss the security aspects of ship layout</p> <p>1.6.4.4 divide the survey into the following sections:</p> <ul style="list-style-type: none"> ➤ Physical Security ➤ Structural Integrity ➤ Personnel Protection Systems ➤ Procedural Policies ➤ Radio and Telecommunication Systems ➤ Other Areas <p>1.6.4.5 discuss the importance and elements of physical security aboard ships</p> <p>1.6.4.5.1 describe the significance of structural integrity for ships and other structures</p> <p>1.6.4.5.2 discuss the components and operations of systems to protect shipboard personnel</p> <p>1.6.4.5.3 state the role of proper procedures in preventing and mitigating security incidents,</p>	<p>R1: <i>ISPS Code,</i> R3 <i>STCW, as amended</i> R5 : <i>IMO Model Course 3.26</i> R6 : <i>IMO Model Course 3.27</i></p>

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- including attacks by pirates and armed robbers
- 1.6.4.5.4 describe the use of information technology and communications systems in ship operations and in maintaining security
- 1.6.4.5.5 identify other areas that may, if damaged or used for illicit observation, pose a risk to persons, property, or operations aboard the ship or within a port facility
- 1.6.4.5.6 discuss the identification of vulnerabilities in the above areas and the preparation of countermeasures to address them
- 1.6.5 state the importance of having in place emergency plans to deal with contingencies

- 1.7** knowsecurity-related contingency plans and the procedures for responding to security threats or breaches of security, including provisions for maintaining critical operations of the ship/port interface, and including also working knowledge of those that may relate to piracy and armed robbery
- 1.7.1 state emergency procedures, and contingency plans
 - 1.7.1.1 Emergency Preparedness, Drills, and Exercises
 - 1.7.1.2 Execution of contingency plans
 - 1.7.1.2.1 discuss action to take in case of a breach of security
 - 1.7.1.2.2 discuss contingency plans for:
 - damage to, or destruction of, the ship or of a port facility, e.g. by explosive devices, arson, sabotage or vandalism;
 - hijacking or seizure of the ship or of persons on board;
 - attacks by armed robbers;
 - tampering with cargo, essential ship equipment or systems or ship's stores;
 - unauthorized access or use, including presence of stowaways;
 - smuggling weapons or equipment, including weapons of mass destruction;
 - use of the ship to carry persons intending to cause a security incident, or their equipment;
 - use of the ship itself as a weapon or as a means to cause damage or destruction;
 - attacks from seaward while at berth or at anchor; and
 - attacks while at sea.

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2. recognize security risks and threats	
<p>2.1 know the forms of security documentation, including the Declaration of Security</p> <p>2.1.1 state the documents that shall be available on board at all times</p> <p>2.1.2 state the activities for which records shall be kept on board and the duration for which they should be retained.</p> <p>2.1.3 explain the Declaration of Security and what it addresses</p>	<p>R1: <i>ISPS Code,</i> R3 <i>STCW, as amended</i> R5 : <i>IMO Model Course 3.26</i> R6 : <i>IMO Model Course 3.27</i></p>
<p>2.2 state the techniques used to circumvent security measures, including those used by pirates and armed robbers</p> <p>2.2.1 explain the methods used by pirates and armed robbers to undertake attacks against ships</p>	<p>R1: <i>ISPS Code,</i> R3 <i>STCW, as amended</i> R5 : <i>IMO Model Course 3.26</i> R6 : <i>IMO Model Course 3.27</i></p>
<p>2.3 describe how to recognize potential security threats</p> <p>2.3.1 recognize, on a non-discriminatory basis, of characteristics, and behavioral patterns of persons who are likely to threaten security</p> <p>2.3.2 describe the general characteristics and behavioral patterns of persons who are likely to threaten security</p> <p>2.3.3 state how important it is to be observant to recognize such persons</p>	<p>R1: <i>ISPS Code,</i> R3 <i>STCW, as amended</i> R5 : <i>IMO Model Course 3.26</i> R6 : <i>IMO Model Course 3.27</i></p>
<p>2.4 describe how to recognize weapons, dangerous substances and devices and awareness of the damage they can cause</p>	<p>R1: <i>ISPS Code,</i> R3 <i>STCW, as amended</i> R5 : <i>IMO Model Course 3.26</i> R6 : <i>IMO Model Course 3.27</i></p>
<p>2.5 know crowd management and control techniques, where appropriate</p> <p>2.5.1 explain the basic psychology of a crowd in a crisis situation</p> <p>2.5.2 state the importance of clear communication with crew and passengers during an emergency</p>	<p>R1: <i>ISPS Code,</i> R3 <i>STCW, as amended</i> R5 : <i>IMO Model Course 3.26</i> R6 : <i>IMO Model Course 3.27</i></p>
<p>2.6 know how to handle security-related information and security-related communications</p> <p>2.6.1 handling sensitive security-related information and communications</p> <p>2.6.2 define security-sensitive information and the importance of keeping it confidential</p>	<p>R1: <i>ISPS Code,</i> R3 <i>STCW, as amended</i> R5 : <i>IMO Model Course 3.26</i> R6 : <i>IMO Model Course 3.27</i></p>
<p>2.7 perform methods for physical searches and non-intrusive inspections</p> <p>2.7.1 demonstrate how to carry out physical searches and non-intrusive inspections.</p>	<p>R1: <i>ISPS Code,</i> R3 <i>STCW, as amended</i> R5 : <i>IMO Model Course 3.26</i> R6 : <i>IMO Model Course 3.27</i></p>

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3. know how to undertake regular security inspections of the ship	
<p>3.1 enumerate the techniques for monitoring restricted areas</p> <p>3.1.1 execution of security procedures</p> <p>3.1.1.1 state the requirements for the Ship Security Officer to carry out regular security inspections</p> <p>3.1.1.2 list the security measures and procedures at the three security levels required to:</p> <ul style="list-style-type: none"> ➤ ensure the performance of all ship security duties ➤ control access to the ship ➤ control the embarkation of persons and their effects ➤ monitor restricted areas to ensure only authorized persons have access ➤ monitor deck areas and areas surrounding the ship ➤ coordinate the security aspects of the handling of cargo and ship stores; and ➤ ensure that security communication is readily available <p>3.1.2 execution and coordination of searches</p> <p>3.1.2.1 describe how important it is to plan a search and practice carrying out searches as a drill.</p> <p>3.1.2.2 explain how to plan a search using a system of check cards</p> <p>3.1.2.3 describe the equipment the search team should carry for conducting a search</p> <p>3.1.2.4 describe the procedures to be followed for an efficient search</p> <p>3.1.2.5 describe the various places of concealment on board a ship</p>	<p>R1: <i>ISPS Code,</i> R3 <i>STCW, as amended</i> R5 : <i>IMO Model Course 3.26</i> R6 : <i>IMO Model Course 3.27</i></p>
<p>3.2 describe how to control access to the ship and to restricted areas on board ship</p>	<p>R1: <i>ISPS Code,</i> R3 <i>STCW, as amended</i> R5 : <i>IMO Model Course 3.26</i> R6 : <i>IMO Model Course 3.27</i></p>
<p>3.3 describe the methods for effective monitoring of deck areas and areas surrounding the ship</p>	<p>R1: <i>ISPS Code,</i> R3 <i>STCW, as amended</i> R5 : <i>IMO Model Course 3.26</i> R6 : <i>IMO Model Course 3.27</i></p>
<p>3.4 describe the methods of inspection relating to the cargo and ship's stores</p> <p>3.4.1 discuss the requirements of certain Ship Security Plans in conducting search of cargo and ship's stores</p>	<p>R1: <i>ISPS Code,</i> R3 <i>STCW, as amended</i> R5 : <i>IMO Model Course 3.26</i> R6 : <i>IMO Model Course 3.27</i></p>
<p>3.5 state the methods for controlling the embarkation, disembarkation and access while on board of persons and their effects</p>	<p>R1: <i>ISPS Code,</i> R3 <i>STCW, as amended</i> R5 : <i>IMO Model Course 3.26</i> R6 : <i>IMO Model Course 3.27</i></p>

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4. use available security equipments and systems	
<p>4.1 use various types of security equipment and systems, if available, including those that could be used in case of attacks by pirates and armed robbers, including their limitations</p> <p>4.1.1 security equipment and systems</p> <p>4.1.1.1 demonstrate familiarity with the various types of security equipment and systems that can be used aboard ships and in facilities</p> <p>4.1.1.2 describe the security equipment and systems that may be used to prevent and suppress attacks by pirates and armed robbers</p> <p>4.1.2 operational limitations of security equipment and systems</p> <p>4.1.2.1 explain the limitations of individual items of equipment and security systems</p> <p>4.1.2.2 identify the risks and benefits of security equipment and systems that may be used to prevent and suppress attacks by pirates and armed robbers</p>	<p>R1: <i>ISPS Code,</i> R3 <i>STCW, as amended</i> R5 : <i>IMO Model Course 3.26</i> R6 : <i>IMO Model Course 3.27</i></p>
<p>4.2 know the requirements for testing, calibrating, and maintaining security systems and equipment, particularly whilst at sea</p>	<p>R1: <i>ISPS Code,</i> R3 <i>STCW, as amended</i> R5 : <i>IMO Model Course 3.26</i> R6 : <i>IMO Model Course 3.27</i></p>
<p>Note:In the above detailed <i>teaching</i> syllabus, all objectives should be understood to be prefixed by the words "At the end of the training, the <i>participants</i> shall be able to ...".</p>	