

Course Syllabus

Course Title:	Ship Security Officer (SSO) Online Course
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Course Duration:	21 Hours
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Course Difficulty:	Advanced
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Course Category:	Security
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Learning Outcomes

1. Understands the importance of ship security and the roles and responsibilities of organizations and individuals involved in it.
2. Knows how to assess security risk, threat and vulnerability to the ship, its personnel, cargo and operations.
3. Understands the capabilities and limitations of security methods, equipment, and systems.
4. Knows how to implement a ship security plan and related regulatory requirements.
5. Knows how to determine the effectiveness of current security arrangements, procedures, and equipment.
6. Understands how to promote security awareness and vigilance on board ship.

References:

- IMO Maritime Security Manual – Guidance for port facilities, and Ships
- STCW Convention/Code
- (TC) Transport Canada
- IMO Model Course 3.19
- (MTSA) Marine Transportation
- (MTSR) Security Act & Regulations
- UNCLOS
- ICS
- SOLAS
- MCA (UK)
- BMP5
- ISPS Code

Course Subject	Time	Ref.
Introduction • Course overview • Competences to be achieved • Historical perspective • Current security threats and patterns • Ship & Port/Marine facility operations & conditions	1.5 Hour	IMO Model Course 3.19(1) BMP5 IMO
Chapter 1 Maritime Security Policy • Relevant international conventions, codes, circulars, and recommendations including those that may relate to piracy • Relevant Government legislation and regulations • Definitions • Legal implication & Handling sensitive security-related information and communications	1 Hour	IMO Model Course 3.19(2) IMO, STCW, SOLAS, ISPS Code. MTSA MTSR BMP5 IMO Maritime Security Manual
Chapter 1 Quiz	0.25 Hour	

Chapter 2 Security Responsibilities - Contracting Governments - Recognized Security Organizations - The company - The ship - The port facility - Ship Security Officer - Company Security Officer - Port Facility Security Officer - Shipboard Personnel with designated security duties - Port facility personnel with designated security duties - Other personnel	1.5 Hour	IMO Model Course 3.19(3) MTSA MTSR SOLAS ISPS Code IMO Maritime Security Manual
Chapter 2 Quiz	0.25 Hour	
Chapter 3 Ship Security Assessment and On-scene Inspections - Risk assessment methodology - Assessment tools - On-scene Security Inspection - Security assessment documentation	2.0 Hours	IMO Model Course 3.19(4) MTSR MTSA ISPS Code IMO Maritime Security Manual
Chapter 3 Quiz	0.25 Hour	
Chapter 4 Security Equipment - Security equipment and systems - Operational limitations of security equipment and systems - Testing, calibration, and maintenance of security equipment and systems	1.5 Hour	IMO Model Course 3.19(5) IMO Maritime Security Manual BMP5
Chapter 4 Quiz	0.25 Hour	
Chapter 5 Ship Security Plan - Purpose of the Ship Security Plan - Contents of the Ship Security Plan - Confidentiality issues - Development of the Ship Security Plan - Implementation of the Ship Security Plan - Maintenance and modification of the Ship Security Plan	2.5 Hours	IMO Model Course 3.19(6) MTSA MTSR ISPS Code IMO Maritime Security Manual
Chapter 5 Quiz	0.25 Hour	

Chapter 6 Threat Identification - Potential security risks - Recognition of threats due to impending piracy attack - Recognition and detection of weapons, dangerous substances, and devices - Implementing and coordinating searches - Methods of physical searches and non-intrusive inspections - Techniques used to circumvent security measures including those used by pirates - Crowd management and control techniques - Homework assignment	3.0 Hours	IMO Model Course 3.19(7) SOLAS ISPS Code IMO Maritime Security Manual
Chapter 6 Quiz	0.25 Hour	
Chapter 7 Ship Security Actions - Actions required by different security levels, including actions to be taken to prevent piracy and armed robbery - Maintaining the security of the ship/port interface - Usage of the Declaration of Security - Reporting security incidents - Implementation of security procedures - Pre-arrival notification requirements	1.5 Hours	IMO Model Course 3.19(8) MTSA MTSR BMP5 SOLAS ISPS Code IMO Maritime Security Manual
Chapter 7 Quiz	0.25 Hour	
Chapter 8 Emergency Preparedness, Drills, and Exercises - Contingency planning - Security drills and exercises - Assessment of security drills and exercises	2.0 Hours	IMO Model Course 3.19(9) MTSA MTSR BMP5 ISPS Code IMO Maritime Security Manual
Chapter 8 Quiz	0.25 Hour	
Chapter 9 Security Administration - Documentation and records - Monitoring and control - Security audits and inspections - Reporting nonconformities	2.0 Hours	IMO Model Course 3.19(10) MTSA MTSR BMP5 ISPS Code IMO Maritime Security Manual
Chapter 9 Quiz	0.25 Hour	
Chapter 10 Security Training Training requirements	1.0 Hours	IMO Model Course 3.19(10) MTSA MTSR BMP5 ISPS Code STCW IMO Maritime Security Manual
Chapter 10 Quiz	0.25 Hour	
Course Assessment	1.0 Hour	