



Comprehensive Review of the STCW Convention

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Comprehensive Review

- STCW Diplomatic Conference – June 2010, Manila
- Adoption of the 2010 amendments to the STCW Convention and Code (“Manila amendments”)



Comprehensive Review Amendments

- **Convention**

No amendments to the Articles

- **Annex**

Technical amendments to the Regulations

- **Code**

Technical amendments to Part A (mandatory)

Technical amendments to Part B (guidance)



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General provisions Regulation I/1

Summary of New Provisions

Includes new definitions for new requirements and those also to ensure consistency of interpretation among Administrations

Stratification of the documents/certificates that can be issued in accordance with the requirements of the Convention:

- Certificate of Competency - (CoC)
- Certificate of Proficiency - (CoP)
- Documentary Evidence



General provisions Regulation I/1

Requirement	New Provisions
Regulation I/1.29	<i>Certificate of Competency (CoC)</i> <i>Replaces “appropriate certificate” -certificate issued and endorsed for masters and officers in accordance with the provisions of chapters II, III, IV and VII</i>
Regulation I/1.30	<i>Certificate of Proficiency (CoP)</i> <i>Certificate other than a CoC issued to seafarers in accordance with the Convention</i>



General provisions Regulation I/1

Requirement	New Provisions
Regulation I/1.36	<i>Documentary evidence Documentation other than a CoC or CoP issued to seafarers in accordance with the Convention</i>
Regulation I/1.12	<i>GMDSS radio operator Person qualified in accordance with the provisions of chapter IV</i>



General provisions Regulation I/1

Requirement	New Provisions
Regulation I/1.20	<i>Passenger ship</i> Ship as defined in the SOLAS Convention
Regulation I/1.31	<i>Security duties</i> Security tasks and duties on board ship as defined by the SOLAS Convention and the ISPS Code



General provisions Regulation I/1

Requirement	New Provisions
Regulation I/1.33	<i>Able seafarer deck</i> Person qualified in accordance with the provisions of regulation II/5
Regulation I/1.34	<i>Able seafarer engine</i> Person qualified in accordance with the provisions of regulation III/5



General provisions Regulation I/1

Requirement	New Provisions
Regulation I/1.32	<i>Electro-technical officer</i> Person qualified in accordance with the provisions of regulation III/6
Regulation I/1.35	<i>Electro-technical rating</i> Person qualified in accordance with the provisions of regulation III/7



General provisions Regulation I/1

Reminder

Article II – Definition of ‘*Certificate*’

- Document issued **by or under the authority of the Administration** or recognized by the Administration authorizing the holder
- Certificate of Proficiency and Documentary evidence may be issued by an organization on behalf of the Administration



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Chapter I Regulation I/2

Summary of New Provisions

- Establishes “who” can issue a Certificate of Competency (CoC)
- Establishes “when” a CoC or an endorsement attesting recognition (regulation I/10) can be issued
- New provisions on issue and registration of certificates transferred from existing regulation I/9 and the Code



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Amendments

CHAPTER I (cont.)

- Regulation I/2 – *Certificates and endorsements New provision*
 - CoC can only be issued by the Administration following verification and authenticity of the documentary evidence submitted
 - *CoP meeting the requirements of regulations V/1-1 and V/1-2 (tanker provisions) can only be issued by the Administration*



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Chapter I (cont.)

Regulation I/2 – New provision

- Administrations recognizing another Administration's certificates
 - The certificates include:
 - All CoCs
 - CoPs issued to masters and officers meeting the requirements of regulations V/1-1 and V/1-2 (tanker provisions)



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Amendments

CHAPTER I (cont.)

- Regulation I/2 – *Certificates and endorsements*
New Provision
 - Requirements for the registration of certificates and to make information available on the status of certificates (requirements transferred from previous regulation I/9)
 - Requirement to make available information on the status of certificates in English and through electronic means by a specific date



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Amendments

CHAPTER I (cont.)

- Regulation I/3 – *Near Coastal Voyages*
 - Mandatory undertaking between Parties

- Regulation I/6 – *Training and Assessment*
 - Guidance on distance learning and e-learning
 - Provided by a maritime Education and Training establishment
 - Allows shipping companies and /or other companies to provide training.



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Amendments

CHAPTER I (cont.)

- Regulation I/8 – *Quality standards*
 - Procedures for the issuance of medical certificates
 - Independent evaluations must include all changes made to implement amendments.



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Amendments

CHAPTER I (cont.)

- Regulation I/9 – Medical standards
 - 2 years – validity of medical certificate for all seafarers; 1 year – medical certificate for persons under 18 yrs of age
 - Mandatory eye-sight standards set out in table A-I/9
 - Standards for the assessment of physical abilities
 - Flexibility on the application of standards – issuance of waivers
 - Means for the recognition of medical practitioners
 - Qualifications of medical practitioners
 - Requirements for guidance for medical practitioners
 - Procedures for appeals



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Amendments

CHAPTER I (cont.)

- Regulation I/9 – Medical standards

Standards for the assessment of physical and medical fitness abilities shall ensure that the seafarer satisfy the following criteria:

- Physical capacity to fulfill all the requirements of the basic training required by section A-VI/1, paragraph 2
- Demonstrate adequate hearing and speech to communicate effectively and detect any audible alarms
- Have no medical condition, disorder or impairment that will prevent the effective safe conduct of their routine and emergency duties on board during the validity period of the medical certificate



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Amendments

CHAPTER I (cont.)

- Regulation I/9 – Medical standards
 - No medical condition, disorder or impairment that will prevent the effective safe conduct of their routine and emergency duties on board during the validity period of the medical certificate
 - Not suffering from any condition likely to be aggravated by service at sea or to render the seafarer unfit for such service or to endanger the health and safety of other persons on board
 - Are not taking any medication that has side effects that will impair judgment, balance, or any other requirements for effective and safe performance of routine and emergency duties in board.



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Recognition of certificates Regulation I/10

Existing provision	New provision
<p><i>Administration has confirmed, through <u>“all necessary measures,”</u> which may include inspection of facilities and procedures that the requirements <u>“concerning”</u> standards of competence, <u>“the issue and endorsements of certificates and recordkeeping”</u> are fully complied with</i></p>	<p><i>Administration has confirmed, through <u>“an evaluation of that Party,”</u> which may include inspection of facilities and procedures that the requirements <u>“of the Convention regarding”</u> standards of competence, <u>“training and certification and quality standards”</u> are fully complied with</i></p>



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Amendments

CHAPTER I (cont.)

- Regulation I/11 – Revalidation of Certificates
 - Revalidation may be established with 12 months of service during the preceding five years, or
 - Three months of service in the preceding 6 months immediately prior to revalidating
 - Continued professional competence for tankers through service or by completing approved training.



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Amendments

CHAPTER I (cont.)

- Regulation I/12 and Section B-I/12 Use of simulators
 - Requirements for training and assessment in the operational use of Electronic Chart Display and Information Systems (ECDIS)



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Amendments

CHAPTER I (cont.)

- Regulation I/14 – Responsibilities of Companies
 - Requirement to ensure that seafarers receive refresher and updating training
 - Requirement for effective communication on board



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Amendments

CHAPTER I (cont.)

- Regulation I/15 – Transitional provisions
 - Entry into force – January 1, 2012
 - Will vary depending on the date the person entered the training institution or started service
 - 1 January 2017 – Transitional date for existing mariners who commenced training/sea service prior to 1 July 2013.
 - 1 January 2017 – Revalidate/renew certificates for existing mariners



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Amendments

CHAPTER II

- Include emphasis on navigational technological advances
- Celestial navigation (guidance given in section B-II/1)
- ECDIS training – Tables A-II/1 and A-II/3
- Visual signaling – Reduced requirements – single letters/SOS*
- “Decca, Loran” replaced by “Terrestrial electronic position fixing system”
- Marine environment awareness – Operational level
- Leadership and teamworking skills – Operational and Management level
- New regulation II/5 – Able Seafarer deck



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Amendments

CHAPTER III

- Competence-based training
 - Removal of the 30 months of training
 - Watchkeeping provisions
- Harmonisation of sea service requirements
- Knowledge requirements for certain types of machinery may be omitted, limitations must be stated on the certificate and endorsement
- Harmonisation of near coastal provisions
 - Retained existing Kw propulsion power threshold
- Engine room resource management



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Amendments

CHAPTER III (cont.) III/2

- Amended to provide as a prerequisite, meeting the requirement of Regulation III/1
- For certification as second engineer, amended to require 12 months seagoing service whilst qualified under regulation III/1
- For Chief engineer, the 36 months seagoing service may be reduced to 24 months, if not less than 12 months are served in capacity of second engineer



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Amendments

CHAPTER III (cont.)

- Marine environment awareness – Operational level
- Leadership and teamworking skill – Operational and management level*
- New regulation III/5 – Able Seafarer engine
- Use of simulator training to assess boiler competence for ratings
- New regulations for electro-technical officers and ratings* (III/6 and III/7)
 - Two levels – one at the support level and one at the operational level



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Amendments Chapter V Previous Structure

Regulations	Provisions
V/1	Mandatory minimum requirements for the training and qualification of masters, officers and ratings on tankers
V/2	Mandatory minimum requirements for the training and qualifications of masters, officers, ratings and other personnel on ro-ro passenger ships
V/3	Mandatory minimum requirements for the training and qualifications of masters, officers, ratings and other personnel on passenger ships other than ro-ro passenger ships



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Amendments Chapter V New Structure

Regulations	Provisions
V/1-1	Mandatory minimum requirements for the training and qualification of masters, officers and ratings on oil and chemical tankers
V/1-2	Mandatory minimum requirements for the training and qualifications of masters, officers and ratings on liquefied gas tankers
V/2	Mandatory minimum requirements for the training and qualifications of masters, officers, ratings and other personnel on passenger ships



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Amendments Chapter V Scope

Regulations V/1-1	Scope of application
Certificate in basic training for oil and chemical tanker cargo operations	Officers and ratings assigned specific duties and responsibilities related to cargo or cargo equipment on oil and chemical tankers



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Amendments Chapter V Scope

Regulations V/1-1	Scope of application
Certificate in advanced training for oil tanker cargo operations	Masters, chief engineer officers, chief mates, second engineer officers and any person with immediate responsibility for loading, discharging, care in transit, handling of cargo, tank cleaning or other cargo-related operations on oil tankers



Comprehensive Review

Amendments Chapter V Scope

Regulations V/1-1	Scope of application
Certificate in advanced training for chemical tanker cargo operations	Masters, chief engineer officers, chief mates, second engineer officers and any person with immediate responsibility for loading, discharging, care in transit, handling of cargo, tank cleaning or other cargo-related operations on chemical tankers



Comprehensive Review

Amendments Chapter V Section B-V/1

- **Clarification in Section B-V/1, paragraph 1**
 - The term “person with immediate responsibility” means *‘a person being in a decision-making capacity with respect to loading, discharging, care in transit, handling of cargo, tank cleaning or other cargo-related operations’*.



Comprehensive Review

Amendments Chapter V Regulation V/1-1

Qualification	Minimum requirements
Certificate in basic training for oil and chemical tanker cargo operations	2.1 - Completed: At least three months of approved seagoing service on oil or chemical tankers, or An approved basic training for oil and chemical tanker cargo operations; and 2.2 - Meet the standard of competence specified in section A-V/1-1, paragraph 1 of the STCW Code



Comprehensive Review

Amendments Chapter V Regulation V/1-1 Oil

Qualification	Minimum requirements
Certificate in advanced training for oil tanker cargo operations	<p>4.2 While qualified for certification in basic training for oil and chemical tanker cargo operations, have:</p> <ul style="list-style-type: none">.1 at least 3 months of approved seagoing service on oil tankers, or.2 at least one month of approved onboard training on oil tankers in a supernumerary capacity, which includes at least three loading and three unloading operations and is documented in an approved training record book taking into account guidance in section B-V/1; and <p>4.3 have completed approved advanced training for oil tanker cargo operations and meet the standard of competence specified in section A-V/1-1, paragraph 2 of the STCW Code.</p>



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Amendments Chapter V Regulation V/1-1 Chemical

Qualification	Minimum requirements
Certificate in advanced training for chemical tanker cargo operations	<p>While qualified for certification in basic training for oil and chemical tanker cargo operations, have:</p> <p>.1 at least three months of approved seagoing service on chemical tankers, or</p> <p>.2 at least one month of approved onboard training on chemical tankers in a supernumerary capacity, which includes at least three loading and three unloading operations and is documented in an approved training record book taking into account guidance in section B-V/1; and</p> <p>have completed approved advanced training for chemical tanker cargo operations and meet the standard of competence specified in section A- V/1-1, paragraph 3 of the STCW Code.</p>



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Amendments Chapter V Section A-V/1-1 Chemical

Table of competence	Subject
A-V/1-1-1	Specification of minimum standard of competence in basic training for oil and chemical tanker cargo operations
A-V/1-1-2	Specification of minimum standard of competence in advanced training for oil tanker cargo operations
A-V/1-1-3	Specification of minimum standard of competence in advanced training for chemical tanker cargo operations



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Amendments Chapter V

Regulation V/1-2 gas scope

Requirements	Scope of application
Certificate in basic training for liquefied gas tanker cargo operations	Officers and ratings assigned specific duties and responsibilities related to cargo or cargo equipment on liquefied gas tankers



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Amendments Chapter V
Regulation V/1-2 gas

Qualifications	Minimum requirements
Certificate in basic training for liquefied gas tanker cargo operations	1 - At least three months of approved seagoing service on liquefied gas tankers or, completed an approved basic training for liquefied gas tanker cargo operations; and 2 - Meet the standard of competence specified in section A-V/1-2, paragraph 1 of the STCW Code



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Amendments Chapter V Regulation V/1-2 gas

Requirements	Scope of application
Certificate in advanced training for liquefied gas tanker cargo operations	Masters, chief engineer officers, chief mates, second engineer officers and any person with immediate responsibility for loading, discharging, care in transit, handling of cargo, tank cleaning or other cargo-related operations on liquefied gas tankers



Comprehensive Review

Amendments Chapter V Regulation V/1-2 gas

Qualifications	Minimum requirements
Certificate in advanced training for liquefied gas tanker cargo operations	<p>4.1 While qualified for certification in basic training for liquefied gas tanker cargo operations, have:</p> <p>.2.1 At least 3 months of approved seagoing service on liquefied gas tankers, or</p> <p>.2.2 At least 1 month of approved onboard training on liquefied gas tankers in a supernumerary capacity, which includes at least 3 loading and 3 unloading operations and is documented in an approved training record book taking into account guidance in section B-V/1; <i>and</i></p> <p>.3 Have completed approved advanced training for liquefied gas tanker cargo operations and meet the standard of competence specified in section A-V/1-2, paragraph 2 of the STCW Code</p>



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Amendments Chapter V

Section A-V/1-2 Gas

Table of competence	Subject
A-V/1-2-1	Specification of minimum standard of competence in basic training for liquefied gas tanker cargo operations
A-V/1-2-2	Specification of minimum standard of competence in advanced training for liquefied gas tanker cargo operations



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Amendments Chapter V

Regulation V/2 passenger ships Scope

Requirements	Scope of application
Crowd management training (Paragraph 4)	Masters, officers and other personnel designated on muster lists to assist passengers in emergency situations section A-V/2, paragraph 1
Safety training (Paragraph 5)	Personnel providing direct service to passengers in passenger spaces section A-V/2, paragraph 2



Comprehensive Review

Amendments Chapter V

Regulation V/2 passenger ships Scope

Requirements	Scope of application
Crisis management and human behaviour training (Paragraph 6)	Masters, chief engineer officers, chief mates, second engineer officers and any person designated on muster lists of having responsibility for the safety of passengers in emergency situations section A-V/2, paragraph 3



Comprehensive Review

Amendments Chapter V

Regulation V/2 passenger ships

Requirements	Scope of application
Passenger safety, cargo safety and hull integrity training (Paragraph 7)	Masters, chief engineer officers, chief mates, second engineer officers and every person assigned immediate responsibility for embarking and disembarking passengers, loading, discharging or securing cargo, or closing hull openings on board ro-ro passenger ships Section A-V/2, paragraph 4



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Amendments Chapter V

New and old requirements

Scope	Old requirement	New requirement
Tankers	Tanker familiarisation training Specialized training for oil, chemical and liquefied gas tankers	1- Basic training for oil and chemical tanker cargo operations 2- Basic training for liquefied gas tanker cargo operations 3- Advanced training for oil, chemical and liquefied gas tankers cargo operations



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Amendments Chapter V new and old requirements

Scope	Old requirement	New requirement
Passenger ships and ro-ro passenger ships	Regulation V/2-covered ro-ro passenger ships Regulation V/3-covered passenger ships other than ro-ro passenger ships	Regulation V/2 covers passenger ships, including ro-ro passenger ships



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Amendments

CHAPTER V (cont.)

- Training guidance for offshore supply vessels
- Training guidance for dynamic positioning system
- Training guidance for ships operating in ice-covered waters



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Amendments Chapter VI

Emergency, occupational safety, security, medical care and survival functions

Regulation	New provision
VI/1	Where basic training is not included in the qualification for the certificate to be issued, a certificate of proficiency shall be issued , indicating that the holder has attended the course in basic training. (Paragraph 2)



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Amendments Chapter VI

New requirements

Regulations	New provision
VI/3	The term “certificate of proficiency” has replaced the phrase “special certificate or documentary evidence, as appropriate” (Paragraph 2)
VI/4	The term “certificate of proficiency” has replaced the phrase “special certificate or documentary evidence, as appropriate” (Paragraph 3)



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Amendments Chapter VI New requirements (cont.)

Regulations	New provision
VI/5	Mandatory minimum requirements for the issue of certificates of proficiency for ship security officers - None
VI/6	Mandatory minimum requirements for security-related training and instruction for all seafarers 1 - security-related familiarization training; 2 - security-awareness training or instruction; and 3 - Training for seafarers with designated security duties (Paragraphs 1 and 4)



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Amendments Chapter VI (Reminder)

CHAPTER I regulation I/11

Revalidation of certificates

- As per provisions of regulation I/11, paragraph 1, every master, officer and radio operator holding a certificate issued or recognized under any chapter of the Convention **other than chapter VI**, who is serving at sea or intends to return to sea after a period ashore, shall, in order to continue to qualify for seagoing service, be required, at intervals not exceeding five years, to
 - 1- meet the standards of medical fitness prescribed by regulation I/9; and
 - 2- establish continued professional competence in accordance with section A-I/11 of the STCW Code.



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Amendments

CHAPTER VI

- Proof of continued professional competence every five years
 - Assessment of competence “Ashore” for areas that cannot be trained on board
 - Regulation VI/1 – Basic safety training
 - Regulation VI/2 – Survival craft, rescue boats, and fast rescue boats
 - Regulation VI/3 – Advanced fire-fighting
 - In service experience, drill and onboard training for other areas



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Amendments Chapter VI new requirement Part A

Section	New provisions
A-VI/1	<p>In paragraph 2.2 the phrase “within the previous five years” is deleted.</p> <p>New paragraph 3 Seafarers qualified in accordance with paragraph 2 in basic training shall be required, every five years, to provide evidence of having maintained the required standards of competence, to undertake the tasks, duties and responsibilities listed in column 1 of tables A-VI/1-1 and A-VI/1-2.</p> <p>New paragraph 4 Parties may accept onboard training and experience for maintaining the required standard of competence in the areas specified therein.</p>



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Amendments Chapter VI new requirement Part A (cont)

- **Personal survival techniques as set out in table A-VI/1-1**
 - To put on a lifejacket;
 - Board a survival craft from the ship, while wearing a lifejacket;
 - Take initial actions on boarding a lifeboat to enhance chance of survival;
 - Stream a lifeboat drogue or sea anchor;
 - Operate survival craft equipment; and
 - Operate locations devices, including radio equipment
- **Fire prevention and fire fighting as set out in table A-VI/1-2**
 - Use self-contained breathing apparatus; and
 - Effect a rescue in a smoke-filled space, using an approved smoke-generating device aboard, while wearing a breathing apparatus.



Comprehensive Review

Amendments Chapter VI new requirement Part A

Section	New provisions
A-VI/2 (SCRB)	<p>In paragraph 4, the phrase “within the previous five years” is deleted.</p> <p>New paragraph 5 Seafarers qualified in accordance with paragraph 4 in survival craft and rescue boats other than fast rescue boats shall be required, every five years, to provide evidence of having maintained the required standards of competence, to undertake the tasks, duties and responsibilities listed in column 1 of tables A-VI/2-1.</p> <p>New paragraph 6 Parties may accept onboard training and experience for maintaining the required standard of competence of table A-VI/2-1 in the areas specified therein.</p>



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Amendments Chapter VI new requirement Part A (cont)

- Take charge of a survival craft or rescue boat during and after launch
 - Interpret the markings on survival craft as to the number of persons they are intended to carry;
 - Give correct command for launching and boarding survival craft, clearing the ship and handling and disembarking persons from survival craft;
 - Prepare and safely launch survival craft and clear the ship's side quickly; and
 - Safely recover survival craft and rescue boats.
- Manage survivors and survival craft after abandoning ship
 - Row and steer a boat and steer by compass;
 - Use individual items of equipment of survival crafts, except for pyrotechnics; and
 - Rig devices to aid location;
- Use locating devices, including communication and signaling apparatus
 - Use of portable radio equipment for survival craft; and
- Apply first aid to survivors.



Comprehensive Review

Amendments Chapter VI new requirement Part A

Section	New provisions
A-VI/2 (FRB)	<p>In paragraph 10, the phrase “within the previous five years” is deleted.</p> <p>New paragraph 11 Seafarers qualified in accordance with paragraph 10 in fast rescue boats shall be required, every five years, to provide evidence of having maintained the required standards of competence, to undertake the tasks, duties and responsibilities listed in column 1 of tables A-VI/2-2</p> <p>New paragraph 12 Parties may accept onboard training and experience for maintaining the required standard of competence of table A-VI/2-2 in the areas specified therein.</p>



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Amendments Chapter VI new requirement Part A (cont)

- Take charge of a fast rescue boat during and after launch
 - Control safe launching and recovery of a fast rescue boat;
 - Handle a fast rescue boat in prevailing weather and sea condition;
 - Use communications and signalling equipment between the fast rescue boat and a helicopter and a ship;
 - Use the emergency equipment carried; and
 - Carry out search patterns, taking account of environmental factors.



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Amendments Chapter VI new requirement Part A

Section	New provisions
A-VI/3 (AFF)	<p>In paragraph 4, the phrase “within the previous five years” is deleted.</p> <p>New paragraph 5</p> <p>Seafarers qualified in accordance with paragraph 4 in advanced fire fighting shall be required, every five years, to provide evidence of having maintained the required standards of competence, to undertake the tasks, duties and responsibilities listed in column 1 of tables A-VI/3.</p> <p>New paragraph 6</p> <p>Parties may accept onboard training and experience for maintaining the required standard of competence of table A-VI/3 in the areas specified therein.</p>



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Amendments Chapter VI new requirement Part A (cont)

- **Control fire-fighting operations aboard ships**
 - fire-fighting procedures at sea and in port, with particular emphasis on organization, tactics and command;
 - communication and coordination during fire-fighting operations;
 - ventilation control, including smoke extraction
 - control of fuel and electrical systems
 - fire-fighting process hazards (dry distillation, chemical reactions, boiler uptake, fires)
 - fire precautions and hazards associated with the storage and handling of materials ;
 - management and control of injured persons; and
 - procedures for coordination with shore-based fire fighters.



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Amendments Chapter VI new requirement Part A

Section	New provisions
A-VI/5 (SSO)	Amendments to table A-VI/5 in order to encompass anti- piracy and anti-armed-robbery provisions



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Amendments Chapter VI new requirement Part A

Section	New provisions
A-VI/6	1 - Security-related familiarization training .1 Before being assigned to shipboard duties, all persons employed or engaged on a seagoing ship which is required to comply with the provisions of the ISPS Code, other than passengers, shall receive approved security-related familiarization training, taking account the guidance given in part B



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Amendments Chapter VI new requirement Part A

Section	New provisions
A-VI/6	1 - Security-related familiarization training .2 Seafarers with designated security duties engaged or employed on a seagoing ship shall , before being assigned such duties, receive security-related familiarization training in their assigned duties and responsibilities, taking into account the guidance given in part B



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Amendments Chapter VI new requirement Part A

Section	New provisions
A-VI/6	<p>2 - security-awareness training</p> <p>Seafarers employed or engaged in any capacity on board a ship which is required to comply with the provisions of the ISPS Code on the business of that ship as part of the ship's complement without designated security duties shall, before being assigned to any shipboard duties receive appropriate approved training or instruction in security awareness as set out in table A-VI/6-1</p>



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Amendments Chapter VI new requirement Part A

Section	New provisions
A-VI/6	<p>3 - Seafarers with designated security duties</p> <p>Every seafarer who is designated to perform security duties, including anti-piracy and anti-armed-robbery-related activities, shall be required to demonstrate competence to undertake the tasks, duties and responsibilities listed in column 1 of table A-VI/6-2</p>



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Amendments Standards regarding alternative certification

CHAPTER VII

- Able seafarer deck and engine



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Amendments / new provisions

CHAPTER VIII Watchkeeping

- Fitness for duty
- Regulation VIII/1.1, identifies the scope of applicable areas, viz: for watchkeeping personnel and those whose duties involve designated safety, prevention of pollution and security duties
- In new regulation VIII/1.2, Administrations are required to ensure that **measures for preventing drug and alcohol abuse are established**
- In regulation VIII/2.5 watchkeeping arrangements with appropriate and effective watch or watches are now extended to take into account requirements for security related functions



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Amendments Chapter VIII

Section	New provisions / amendments
A-VIII/1	Standards regarding watchkeeping Fitness for duty – in general, harmonized with MLC 2006
	<u>New paragraph 1</u> Administrations shall take account of the danger posed by <u>fatigue</u> of seafarers
	<u>New paragraph 2 (= old paragraph 1, amended)</u> <ol style="list-style-type: none">1. The relevant duties are specified, namely: duties which involve designated safety, prevention of pollution and security duties2. The rest period is specified:<ul style="list-style-type: none">• a minimum 10 hours of rest in any 24-hour period; and• 77 hours in any 7-day period



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Amendments Chapter VIII

Section	New provisions / amendments
	<p><u>New paragraph 3 (= old paragraph 2, amended)</u> Hours of rest divided into no more than two periods, one of which shall be at least 6 hours in length, and <u>the intervals between consecutive periods of rest shall not exceed 14 hours</u></p>
A-VIII/1	<p><u>New paragraph 4 (= old paragraph 3, amended)</u> Requirements for rest periods laid down in paragraphs 2 and 3 – exception in case of emergency or other overriding operational conditions. Musters, fire-fighting and lifeboat drills, and drills prescribed by national laws and regulations and by international instruments, <u>shall be conducted in a manner that minimizes the disturbance of rest periods and does not induce fatigue</u></p>



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Amendments Chapter VIII

Section	New provisions / amendments
A-VIII/1	<p>Paragraph 5, amended</p> <p>Administrations shall require that watch schedules be posted where they are easily accessible.</p> <p><u>The schedules shall be established in a standardized format in the working language or languages of the ship and in English</u></p>
	<p>New paragraph 6</p> <p><u>When a seafarer is on call, such as when a machinery space is unattended, the seafarer shall have an adequate compensatory rest period if the normal period of rest is disturbed by call-outs to work</u></p>



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Amendments Chapter VIII

Section	New provisions
A-VIII/1	<p data-bbox="478 667 884 719">New paragraph 7</p> <p data-bbox="478 797 1969 1036">Administrations shall require that <u>records of daily hours of rest</u> be maintained in a standardized format, in working language or languages of ship and in English, to allow monitoring and verification of compliance with the provisions.</p> <p data-bbox="478 1114 1969 1292">The seafarers shall receive a copy of the records pertaining to them, which shall be endorsed by the master or by a person authorized by the master and by the seafarers.</p>



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Amendments Chapter VIII

Section	New provisions
A-VIII/1	<p data-bbox="464 625 831 673">New paragraph 8</p> <p data-bbox="464 738 1953 958">Does not impair right of the master to require a seafarer to perform any hours of work necessary for the immediate safety of the ship, persons on board or cargo, or for the purpose of giving assistance to other ships or persons in distress at sea.</p> <p data-bbox="464 1023 1953 1128">Master may suspend the schedule of hours of rest until the normal situation has been restored.</p> <p data-bbox="464 1193 1953 1356">After normal situation has been restored, master shall ensure that seafarers who performed work in a scheduled rest period are provided with an adequate period of rest.</p>



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Amendments Chapter VIII

Section	New provisions
A-VIII/1	<p data-bbox="457 699 865 748">New paragraph 9</p> <p data-bbox="457 824 1938 1003">Parties may allow exceptions from the required hours of rest in paragraphs 2.2 and 3 above provided that the rest period is not less than 70 hours in any 7-day period.</p> <p data-bbox="457 1079 1938 1382">Exceptions from the weekly rest period provided for in paragraph 2.2 shall not be allowed for more than two consecutive weeks. The intervals between two periods of exceptions on board shall not be less than twice the duration of the exception.</p>



Comprehensive Review

Amendments Chapter VIII

Section	New provisions / amendments
A-VIII/1	<p data-bbox="457 586 1014 643">New paragraph 9 (cont)</p> <p data-bbox="457 716 1934 829">The hours of rest provided for in paragraph 2.1 may be divided into no more than three periods:</p> <ul data-bbox="552 846 1549 946" style="list-style-type: none"><li data-bbox="552 846 1213 889">•one at least 6 hours in length; and<li data-bbox="552 902 1549 946">•neither of the other two periods shall be < one hour <p data-bbox="457 1016 1934 1195">Intervals between consecutive periods of rest shall not exceed 14 hours. Exceptions shall not extend beyond two 24-hour periods in any 7-day period.</p> <p data-bbox="457 1271 1934 1385">Exceptions shall, as far as possible, take into account the guidance regarding prevention of fatigue in section B-VIII/1</p>



Comprehensive Review

Amendments Chapter VIII

Section	New provisions
A-VIII/1	<p data-bbox="472 586 913 643">New paragraph 10</p> <p data-bbox="472 716 1955 824">Administrations shall establish, <u>for preventing alcohol abuse</u>, a limit of:</p> <ul data-bbox="562 906 1535 1089" style="list-style-type: none"><li data-bbox="562 906 1535 963">not > 0.05% blood alcohol level (BAC), or<li data-bbox="562 1036 1346 1089">0.25 mg// alcohol in the breath, or <p data-bbox="543 1166 1633 1406">a quantity of alcohol leading to such alcohol concentration for masters, officers and other seafarers while performing designated safety, security & marine environmental duties</p>



Comprehensive Review

Amendments Chapter VIII

CHAPTER VIII

- Watchkeeping arrangements and principles
 - Mandatory use of Bridge and Engine Room Resource Management principles
 - Use of ECDIS



Comprehensive Review

Amendments Chapter VIII

Section	New provisions
A-VIII/2	<p>Part 3 – text of previous Section B-VIII/2, Part 3-1, paragraph 5 = New paragraph 8</p> <p>Watches shall be carried out based on the following Bridge & engine-room resource management principles:</p> <ol style="list-style-type: none"><li data-bbox="432 922 1969 1024">1. Proper arrangements for watchkeeping personnel shall be ensured in accordance with the situations;<li data-bbox="432 1094 1969 1196">2. Any limitations in qualifications or fitness of individuals shall be taken into account when deploying watchkeeping personnel;<li data-bbox="432 1266 1969 1369">3. Understanding of watchkeeping personnel regarding their individual roles, responsibility and team roles shall be established;



Comprehensive Review

Amendments Chapter VIII

Section	New provisions
A-VIII/2	<p data-bbox="443 638 1003 686">New paragraph 8 (cont'd):</p> <ol data-bbox="432 751 1965 1317" style="list-style-type: none"><li data-bbox="432 751 1965 971">4. The master, chief engineer officer and officer in charge of watch duties shall maintain a proper watch, making the most effective use of resources available such as information, installations/ equipment and other personnel;<li data-bbox="432 1040 1965 1146">5. Watchkeeping personnel shall understand functions and operation of installations/equipment, and be familiar with handling them;<li data-bbox="432 1216 1965 1317">6. Watchkeeping personnel shall understand information and how to respond to information from each station/installation/equipment;



Comprehensive Review

Amendments Chapter VIII

Section	New provisions
A-VIII/2	<p data-bbox="430 638 968 686">New paragraph 8 (cont'd)</p> <ol data-bbox="430 751 1969 1258" style="list-style-type: none"><li data-bbox="430 751 1969 857">7. Information from stations/installations/equipment shall be shared, as appropriate, by all watchkeeping personnel;<li data-bbox="430 922 1969 1027">8. Watchkeeping personnel shall maintain an exchange of appropriate communication in any situation; and<li data-bbox="430 1092 1969 1258">9. Watchkeeping personnel shall notify the master/chief engineer officer/officer in charge of watch duties without any hesitation when in doubt regarding action to be taken in the interest of safety.



Comprehensive Review Next Steps

- Entry into force – January 2012
- Grandfather provisions – compare previous requirements with new requirements



Comprehensive Review IMPLEMENTATION

- Implementation through amendments to the *Marine Personnel Regulations* when required



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Comprehensive Review

Amendments

CHAPTER V

- Requirements for tankers
 - 3 sets of requirements – oil, chemical and liquefied gas
 - Basic training
 - Advanced training
- Consolidation of the requirements for passenger ships



Comprehensive Review

Amendments

CHAPTER VI

- Proof of continued professional competence every five years
 - Assessment of competence “Ashore” for areas that cannot be trained on board
 - Regulation VI/1 – Basic safety training
 - Regulation VI/2 – Survival craft, rescue boats, and fast rescue boats
 - Regulation VI/3 – Advanced fire-fighting
 - In service experience, drill and onboard training for other areas



Comprehensive Review

Amendments

CHAPTER VI (cont.)

- Basic safety training – social responsibility to include:
 - Environmental pollution awareness training
 - Fatigue training
- Security training- Non-VSO personnel on board ships
 - Personnel without security duties
 - Personnel with security duties
 - Training to include general anti-piracy related information



Comprehensive Review

Amendments

CHAPTER VIII

■ Fitness for duty

- Harmonisation of the STCW Convention with the ILO Maritime Labor Convention 2006
 - Hours of rest requirements – 10 hrs in a 24 hr period, 77 hrs per week
 - Record of hours of rest
 - Extends applicability to watch standing personnel, and persons with safety, security and environmental protection responsibilities
- Alcohol limits



Comprehensive Review

Amendments Chapter VI New requirements (cont.)

Regulation	New provision
VI/6 New	Where “security awareness” or “training in designated security duties” is not included in the qualifications for the certificate to be issued, a certificate of proficiency shall be issued indicating that the holder has attended a course “in security awareness” or, a course of training “for designated security duties”(Paragraphs 2 and 5)



Comprehensive Review

Amendments Chapter VI New requirements (cont.)

Regulation	New provision
VI/6 New	Every Party shall compare the security training standards it requires of seafarers who hold or can document qualifications before the entry into force of this regulation with those specified in section A-VI/6, paragraphs 4 and 8 of the STCW Code, and shall determine the need for requiring these seafarers to update their qualifications. (Paragraphs 3 and 6)



Comprehensive Review

Amendments Chapter VI New requirements (cont.)

Regulation	New provision
VI/6 New	Every Party shall compare the security training standards it requires of seafarers who hold or can document qualifications before the entry into force of this regulation with those specified in section A-VI/6, paragraphs 4 and 8 of the STCW Code, and shall determine the need for requiring these seafarers to update their qualifications. (Paragraphs 3 and 6)