United States Coast Guard

FOREIGN PASSENGER VESSEL PERIODIC CERTIFICATE OF COMPLIANCE EXAM PROCESS GUIDE

Name of Vessel	**Keel Laid Date**	
Hailing Port	**Length**	**Draft**
Propulsion Type **Diesel Electric □**	**Dual Fuel □**	**Other □**
Ballast Water Management System □ **Approval No.**	**Alternative Management System □**	
Maximum Passengers	**Maximum Persons**	
Port State Control Officers & Examiners		
Team 1 **Certified:** **Trainee(s):**	**Team 2** **Certified:** **Trainee(s):**	
Team 3 **Certified:** **Trainee(s):**	**Team 4** **Certified:** **Trainee(s):**	

Use of the Periodic COC Exam Process Guide

This book is intended to be used by Coast Guard Port State Control (PSC) officers and examiners during Annual Certificate of Compliance (COC) examinations on foreign flagged passenger vessels. It contains the items that should be examined during a Periodic COC exam as outlined in CGTTP 3-72.10A, FPV COC Periodic Exam Tactics, Techniques, and Procedures. PSCO(s) may expand the scope of any exam when there are clear grounds for believing that the condition of the vessel or its equipment does not correspond substantially with the particulars of the certificates. Additionally, PSCO(s) should examine the vessel for any modifications affecting the vessel's structural fire protection and means of escape completed without approval by the Flag Administration or review by the USCG Marine Safety Center.

This job aid and corresponding Work Instruction specify requirements for the most recent editions of the relevant conventions, which may not apply due to the keel laid date of the vessel. The PSC team must pay close attention to the applicability dates when entering deficiency cites in the Scorecard. Observations that cannot be linked to specific statutory requirements should be further investigated in relation to the vessel's Safety Management System for potential noncompliance.

Duty to Record Deficiencies

All deficiencies identified by the PSC Team during the COC exam should be entered into the Scorecard for recording on the CG-5437B (Form B) and in the activity inspection results. This includes deficiencies rectified prior to the PSC Team's departure (i.e., Code 10c). Deficiencies that are considered prior to departure (i.e., Code 17) should be entered in the Scorecard with that code, and may be cleared with ink changes after printing. The code may not be changed.

Exam Prep Key

Team	Exam Location & Items to be Prepared	Drills Location
1	*Navigation Bridge* o Certificates & manuals available o Environmental procedures & records available o Security records available o Safety equipment available	*Fire:* Bridge/Safety Center o Decision support system o Communications *Passenger Evacuation:* Bridge/Safety Center o GA/PA o Safety briefing *Abandon Ship:* Inboard forward embarkation deck
2	*Upper Accommodation Decks (i.e., passenger cabins, spas, salons, fitness centers, youth clubs, VIP lounges, restaurants, galleys)* o Means of escape plans available Master key available o Fire detection & alarm systems test equipment ready o Fire hoses ready for flow test o Fire suppression system section valve test equipment ready	*Fire:* Staging area o Fire teams o Response teams o Communications *Passenger Evacuation:* Stairways & corridors o Crowd management o Search of accommodation & public spaces *Abandon Ship:* Inboard aft embarkation deck
3	*Lower Accommodation and Service Decks (i.e., I-95, bunker station, garbage room, medical center, workshops, laundries, crew cabins, mooring decks)* o Means of escape plans available Master key available o Fire detection & alarm systems test equipment ready o Fire suppression system section valve test equipment ready	*Fire:* On-scene o Fire team(s) o Fireman's outfits *Passenger Evacuation:* Stairways & corridors o Crowd management o Search of accommodation & public spaces *Abandon Ship:* Outboard forward embarkation deck
4	*Engineering Spaces (i.e., ECR, steering gear rooms, emergency generator space, control stations)* o Emergency generator ready to test o Oily water separator(s) ready to test	*Fire:* Engine control room o Fire fighting system controls o Watertight door controls o Ventilation controls *Passenger Evacuation:* Muster stations o Instructions posted o Crowd management *Abandon Ship:* Outboard aft embarkation deck

Opening Meeting

Introductions			
Coast Guard Team		Ship's Leadership Team	
Timelines			
Expected completion of debarkation	Desired drill time	Completion of bunkering/dive ops	Scheduled departure time
Any other inspections, surveys, or servicing			
CBP, USPHS	Flag/RO	Equipment servicing	
Exam preparation questions			
Have any of the conditions of the ship or crew changed since your email report?			
Are there any areas of the ship our teams should avoid due to quarantine, maintenance, or repairs?			
Are there any work projects or maintenance we should know about before we begin our exam?			
Does your crew have all equipment ready to test systems as outlined in the email?			
Will the ship be able to lower all outboard lifeboats and rescue boats?			
Can you energize the emergency lighting circuit and low-location lighting for the duration of the exam?			
Number of decks		Number of main vertical zones	
Is there a designated area for our team to consult and report during the exam?			
Do you have any questions regarding the scope of today's COC exam?			

DRILLS

1. **Fire Drill**
   - Verify the ship's drill meets SOLAS functional requirements.
   - Verify the master and crew follow the recommended actions for the fire emergency.
   - Staging area communications and teams report for duties
   - Fireman's outfits contain protective clothing, boots, helmet, flashlight, axe, and SCBA
   - Systems monitoring/controls in ECR

2. **Passenger Evacuation**
   - Summoning of crew & passengers using GA or PA
   - Safety briefing
   - Proficiency of crew assigned to passenger evacuation duties
     - Ability to give clear reassuring orders
     - Ability to manage passengers in corridors, staircases, and passageways
     - Understanding the importance of and having the ability to maintain escape routes clear of obstructions
     - Knowledge of methods available for the evacuation of disabled persons and persons needing special assistance (i.e., passengers with medical needs or children)
     - Knowledge of methods of searching passenger accommodation and public spaces
   - Muster station suitable for marshalling & instructing passengers, and has required markings and instructions posted
   - Proficiency of crew assigned to muster stations
     - Importance of keeping order
     - Ability to use procedures for reducing and avoiding panic
     - Ability to use passenger lists or devices for evacuation counts
     - Importance of passengers being suitably clothed when mustering
     - Ability to check that passengers have donned their life jackets properly

3. **Abandon Ship Drill**
   - Verify the ship's drill meets SOLAS functional requirements
   - Proficiency of crew assigned to embarkation station duties
   - Emergency lighting, embarkation ladder(s), descent devices
   - Survival craft stowage and launching/recovery arrangements
   - Survival craft fittings and equipment, including test of propulsion & steering
   - Survival craft markings (i.e., retro-reflective material, capacity, boat identification)
   - Proficiency of crew assigned to liferaft launching/embarkation, including liferaft inflation
   - Proficiency of crew assigned to lifeboat & rescue boat launching/embarkation
   - Proficiency of person in charge of survival craft
     - Take charge of survival craft during & after launch
     - Operate survival craft engine
     - Manage survivors
     - Use locating devices
     - Apply first aid
   - Launching of outboard lifeboats & rescue boat, including recovery of rescue boat

CREW PROFICIENCY AREAS FOR ALL DRILL TEAMS

Fire drill:

- Controlling the operation of the ship & care for persons onboard at the operational level *(STCW A-II/ 2 pg 123 & A-III/6 pg 179)*

**Fireman's Outfit:* **Hose Management:* **Electrical:*
**Ventilation:* **Fire Boundaries:* *O2 Management:*
**Smoke Management:* **Evacuation:* **Communications:*
Medical: **First Aid:* *O2:*
Medivac:

- Crisis Management & Human Behavior *(STCW A-V/2 pg 212)*

Control Passengers: *Evacuation:* *Communications:*
Organized Shipboard Procedures: *Control of Passengers:* *Optimized use of Resources:*

- Decision Support System
- Basic Training *(STCW A-VI/1 pg 241)*

  *See Control the operation of the ship above
- Advanced firefighting *(STCW A-VI/3 pg 255)*

  *See Control the operation of the ship above

Firefighting training: *Firefighting Equipment Inspection:* *Firefighting Equipment Servicing:*

- Standard of competence in medical first aid

  *See Control the operation of the ship above

Passenger evacuation & Abandon ship:

- Passenger ship emergency familiarization *(STCW A-V/2 pg 211)*

General Safety Features: *Equipment Location:* *Conduct:*
Elevator Use: *Crew Language:* *Nonverbal:*

- Crowd Management *(STCW A-V/2 pg 212)*

Muster List: *Equipment Assist Pax:* *Clear Orders:*
Crowd Techniques: *Maintain Escape Routes:* *Search Spaces:*
Keep Order: *Avoid Panic:*

- Communications with passengers during an emergency *(STCW A-V/2 pg 211)*

Pax Nationality: *Basic English:* *Hand Signals:*
Safety Instructions: *Announcements:*

- Personal Life-saving appliances ability to demonstrate to passengers *(STCW A-V/2 pg 212)*

  Lifejacket Wear:

- Embarkation & disembarking procedures for passengers (disabilities) *(STCW A-V/2 pg 212)*

  Mobility Issues: *Service Animal:* *Medical Equipment:*

  Blind: *Deaf:* *Medicine:*

- Lifeboat lowering and operation (running of engines & steering for inboard boats)
  See Proficiency in survival craft and rescue below

- Launch and recovery of rescue boat (running of engines & steering for inboard boats)
  See Proficiency in survival craft and rescue below

- Survival craft familiarity of duties & passenger interactions
  See Proficiency in survival craft and rescue below

- Safety familiarization *(STCW A-VI/1 pg 241) *Some items also found in Basic Training*

  Symbols, Signs, Alarms: *Man Overboard:* **Fire/Smoke:*

  Muster Stations / Escape: *Location/don lifejacket:* **Extinguisher:*

  **Manual Call Points:* **Fire Stations:* *Fire Door:*

  **Medical Emergency:* *Weather Tight Door:* *Water Tight Door:*

- Basic training *(STCW A-VI/1 pg 241)*

  LSA Types Onboard: *Survival Craft Equipment:* *Protective Clothing:*

  Action Taken in the Water: *Dangers:* *Fire Fighting Methods:*

  Environmental Procedures: *Non-Hazardous:* *Hazardous:*

  Grey Water: *Black-Water:*

- Proficiency in survival craft and rescue boats *(STCW A-VI/2 pg 249)*

  Markings: *Commands for Launching:* *Engine:*

  Fire Extinguisher: *Steer by Compass:* *Detectability:*

  Helicopter Rescue: *Hypothermia:* *Radio:*

  Marshalling Life-rafts: *Rescue Survivors:* *SARTS:*

  First Aid:

- MES *(STCW A-VI/2 pg 249) *MES is a survival craft and follows required training outlined above*

Notes:

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TEAM ONE

1. Hull Walk

- ☐ Draft marks
- ☐ IMO number
- ☐ Load line

2. Ship Certificates

- ☐ Certificates for MISLE Data Entry

Certificate Type	*Issuing Agency*	*Issued By Port*	*Issued Date*	*Expired Date*	*Expired Date*
Passenger Ship Safety Certificate (PSSC)					
International Load Line Certificate (ILLC)					
Safety Management Certificate (SMC)					
International Oil Pollution Prevention Certificate (IOPP)					
International Air Pollution Prevention Certificate (IAPP)					
International Ship Security Certificate (ISSC)					
Continuous Synopsis Record (CSR)					

- ☐ Certificate of Registry
- ☐ Classification Document
- ☐ International Tonnage Certificate
- ☐ ISM Document of Compliance (copy)
- ☐ Lifeboat/Tender Safety Certificate, as appropriate
- ☐ Polar Code Certificate
- ☐ Minimum Safe Manning Document
- ☐ Engine IAPP (EIAPP) & Supplements, for each engine
- ☐ International Energy Efficiency Certificate
- ☐ International Anti-Fouling System Certificate

3. Crew Training and Certification

- ☐ Meets Minimum Safe Manning Document
- ☐ Crowd Management Training
- ☐ Crisis Management & Human Behavior Training
- ☐ Fast Rescue Boat Training, if equipped
- ☐ Ship Security Officer

4. Logs, Records, and Manuals

- ☐ SOLAS exemptions, equivalents, or alternative arrangements
- ☐ Declaration of Security
- ☐ Declaration of Inspection
- ☐ Damage control & stability plans
- ☐ Training & drill logs (damage control, security, abandon ship, fire, emergency steering)
- ☐ MES training (participation every 2 years)
- ☐ Maintenance/servicing records (liferaft/MES, lifesaving equipment, firefighting systems, firefighting equipment)
- ☐ SAR coordination plan
- ☐ Ship's log
- ☐ Garbage Management plan
- ☐ Shipboard Oil Pollution Emergency Plan
- ☐ Oil Record Book
- ☐ Non-Tank Vessel Response Plan
- ☐ Ballast Water Management Plan
- ☐ Shipboard Energy Efficiency Management Plan
- ☐ Sewage and Graywater Discharge Record Book (for Alaskan waters)
- ☐ CVSSA records (log of complaints of crimes, crime scene preservation training)

5. Bridge Safety Arrangements

- ☐ Monitoring/control panels (Watertight doors, steering, fire detection & alarm, fire doors, ventilation, fixed firefighting)
- ☐ Line throwing appliances
- ☐ Distress signals
- ☐ Safe Return to Port arrangements (ships constructed after 1 July 2010 and ≥ 120 m)

6. Bridge Communications Arrangements

- ☐ Distress alert panel
- ☐ Global Maritime Distress and Safety System (GMDSS)
- ☐ VHF with Digital Selective Calling
- ☐ SARTs
- ☐ NAVTEX receiver
- ☐ EPIRB
- ☐ Two-way SAR radio for aeronautical frequencies
- ☐ Reserve battery power arrangements

7. Bridge Navigation Arrangements

- ☐ Magnetic compass, deviation table
- ☐ ECDIS or nautical charts, and publications
- ☐ 2 radars (9GHz/3GHz)
- ☐ ARPA
- ☐ Daylight signaling lamp
- ☐ Means of taking bearings
- ☐ Gyrocompass
- ☐ Illuminated gyrocompass repeater
- ☐ Illuminated rudder angle indicator
- ☐ Bridge Navigational Watch Alarm System
- ☐ Electronic echo depth sounder
- ☐ Pitch indicator for thrusters
- ☐ Rate of turn indicator
- ☐ Electronic position fixing device
- ☐ LRIT
- ☐ AIS
- ☐ Voyage Data Recorder
- ☐ Maneuvering fact sheet
- ☐ Steering instructions
- ☐ Observe steering test

Potential Crew Proficiency Evaluation Areas for the Security Officer and Security Personnel (those with security related duties)

Random bridge and security personnel should be questioned (refrain from questioning escort), limit number of questions based on accuracy and confidence level of crewmember. *Utilize vessel's safety questionnaire as a guide.*

Demonstration of operation of equipment should be conducted only if there are clear grounds based on the assessment of crewmember's ability to use and knowledge of the equipment and not the operability of the equipment itself. ***Demonstration of equipment should not be done if it compromises the safety of the personnel, the environment or equipment. ****

- Implementation of Ship Security Plan
  - Knowledge of ISPS & MTSA
  - Piracy/robbery
  - Reporting requirements
  - Security Levels
  - Audits & Inspections
  - Responding to security threats & breaches
- Assess security risk, threat and vulnerability
  - Declaration of Security
  - Techniques used to circumvent security
  - Persons posing potential security risks
  - Recognition of weapons, dangerous substances & devices
  - Crowd management
  - Handling sensitive security information
  - Coordinating searches
- Ensure Appropriate Security Measures are implemented
  - Monitoring and control of restricted areas
  - Monitoring deck areas and areas around the ship
  - Screening/handling of persons and ship 's stores
  - Control of embarkation/disembarkation
  - Security equipment and limitations
  - Ship security alert system
  - Methods for testing, calibrating and maintaining systems and equipment
  - Security training, drills and exercises

Potential Crew Proficiency Evaluation Areas for the Bridge Team

- Passenger Ship Emergency Familiarization
  - General safety features aboard the ship
  - Location of essential safety and emergency equipment
- Safety Familiarization
  - Communication with others
  - Emergency situation (person overboard, Fire/smoke, abandon ship)
  - Muster/embarkations stations and emergency escape routes
  - Locate and don lifejackets
  - Use of portable fire extinguishers
  - Medical emergency
  - Close/open fire, weathertight, and watertight doors
- Basic Training
  - Personal survival techniques
  - Principles concerning survival
  - Personal safety and social responsibilities
- Navigational Watch
  - Celestial navigation
  - Terrestrial and coastal navigation
  - Electronic systems of position fixing and navigation
  - Echo sounders
  - Compass
  - Steering control systems
  - Meteorology
  - Bridge resource management
  - Radar navigation
  - Navigation using ECDIS
- Responding to emergencies
- Respond to a distress signal
- Transmit visual signal
- Maneuver the ship
- Prevention of pollution of the marine environment and procedures

Potential Crew Proficiency Evaluation Areas

Random personnel should be questioned (refrain from questioning escort), limit number of questions based on accuracy and confidence level of crewmember. *Utilize vessel's safety questionnaire as a guide.*

Demonstration of operation of equipment, should be based on performance of crewmember's ability to use the equipment and not the operability of the equipment itself. ***Demonstration of equipment should not be done if it compromises the safety of the personnel, the environment or equipment. ****

- Passenger ship emergency familiarization *(STCW A-V/2 pg 211)*

General Safety Features:	*Equipment Location:*	*Conduct:*
Elevator Use:	*Crew Language:*	*Nonverbal:*

- Safety familiarization *(STCW A-VI/1 pg 241) *Some items also found in Basic Training*

Symbols, Signs, Alarms:	*Man Overboard:*	**Fire/Smoke:*
Muster Stations / Escape:	*Location/don lifejacket:*	**Extinguisher:*
**Manual Call Points:*	**Fire Stations:*	*Fire Door:*
**Medical Emergency:*	*Weather Tight Door:*	*Water Tight Door:*

- Basic training *(STCW A-VI/1 pg 241)*

LSA Types Onboard:	*Survival Craft Equipment:*	*Protective Clothing:*
Action Taken in the Water:	*Dangers:*	*Fire Fighting Methods:*
Environmental Procedures:	*Non-Hazardous:*	*Hazardous:*
Grey Water:	*Black-Water:*	

- Advanced firefighting *(STCW A-VI/3 pg 255)*

Servicing:	*Malfunctions:*	*Fire Detectors:*
Fire Suppression:	*Laundry:*	*Flame Lockers:*

- Security *(STCW A-VI/6 pg 265)*

Terminology:	*Threats:*	*Piracy:*
Reporting:	*Levels:*	*Restricted Areas:*
Screening:	*Equipment:*	*Evidence Preservation:*
Recognition of weapons & Dangerous substances:		

- CVSSA

Lock Over ride:	*Peep Holes:*	*Access:*
Key Control:	*Embassy Info:*	

- Environmental * *see Basic Training above and MARPOL*
- ISM/SMS

Familiarization:	*Maintenance:*	*Reporting:*

TEAM FOUR

Potential Crew Proficiency Evaluation Areas

Random personnel should be questioned (refrain from questioning escort), limit number of questions based on accuracy and confidence level of crewmember. *Utilize vessel's safety questionnaire as a guide.*

Demonstration of operation of equipment, should be based on performance of crewmember's ability to use the equipment and not the operability of the equipment itself. ***Demonstration of equipment should not be done if it compromises the safety of the personnel, the environment or equipment. ****

- Passenger ship emergency familiarization *(STCW A-V/2 pg 211)*

General Safety Features:	*Equipment Location:*	*Conduct:*
Elevator Use:	*Crew Language:*	*Nonverbal:*

- Safety familiarization *(STCW A-VI/1 pg 241) *Some items also found in Basic Training*

Symbols, Signs, Alarms:	*Man Overboard:*	**Fire/Smoke:*
Muster Stations / Escape:	*Location/don lifejacket:*	**Extinguisher:*
**Manual Call Points:*	**Fire Stations:*	*Fire Door:*
**Medical Emergency:*	*Weather Tight Door:*	*Water Tight Door:*

- Basic training *(STCW A-VI/1 pg 241)*

LSA Types Onboard:	*Survival Craft Equipment:*	*Protective Clothing:*
Action Taken in the Water:	*Dangers:*	*Fire Fighting Methods:*
Environmental Procedures:	*Non-Hazardous:*	*Hazardous:*
Grey Water:	*Black-Water:*	

- Advanced firefighting *(STCW A-VI/3 pg 255)*

Servicing:	*Malfunctions:*	*Fire Detectors:*
Fire Suppression:	*Laundry:*	*Flame Lockers:*

- Security *(STCW A-VI/6 pg 265)*

Terminology:	*Threats:*	*Piracy:*
Reporting:	*Levels:*	*Restricted Areas:*
Screening:	*Equipment:*	*Evidence Preservation:*
Recognition of weapons & Dangerous substances:		

- Medical *(STCW A-VI/4 pg 257 & ILO)*

Injuries (various types):	*Diseases:*	*Alcohol/Drug abuse:*
Dental:	*OBGYN:*	*Death at Sea:*
Hygiene:	*Records:*	*Medivac:*
Medicine:	*Oxygen:*	

- Environmental * *see Basic Training above and MARPOL*

Non-Hazardous:	*Hazardous:*	*Black water:*
Grey Water:	*Oil:*	*Air/Exhaust:*

- ISM/SMS

Familiarization:	*Maintenance:*	*Reporting:*

- Engineering at management level*(STCW A-III pg 145)*

Main Propulsion:	*Fuel Shutdown:*	*Ventilation Shutdown:*
Bilge Pumps:	*Alarms:*	*Steering Gear:*
Emergency Generator:	*Transitional Battery:*	
Extinguishers:	*Fire Stations:*	*Call Points:*
Fire Pumps:	*Sprinkler Systems:*	*Mist Systems:*
Fire Doors	*Watertight Doors:*	*Counter Flooding:*
Means of Escape:	*Low Location Lighting:*	*Signage:*

Notes:

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Table 9.1 Bulkheads not bounding either main vertical zones or horizontal zones
(*SOLAS Chapter II-2*)

Spaces		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Control Stations	(1)	B-0a	A-0	A-0	A-0	A-0	A-60	A-60	A-60	A-0	A-0	A-60	A-60	A-60	A-60
Stairways	(2)		A-0a	A-0	A-0	A-0	A-0	A-15	A-15	A-0c	A-0	A-15	A-30	A-15	A-30
Corridors	(3)			B-15	A-60	A-0	B-15	B-15	B-15	B-15	A-0	A-15	A-30	A-0	A-30
Evacuation stations and external escape routes	(4)					A-0	A-60b,d	A-60b,d	A-60b,d	A-0d	A-0	A-60b	A-60b	A-60b	A-60b
Open deck spaces	(5)						A-0	A-0	A-0	A-0	A-0	A-0	A-0	A-0	A-0
Accommodation spaces of minor fire risk	(6)						B-0	B-0	B-0	C	A-0	A-0	A-30	A-0	A-30
Accommodation spaces of moderate fire risk	(7)							B-0	B-0	C	A-0	A-15	A-60	A-15	A-60
Accommodation spaces of greater fire risk	(8)								B-0	C	A-0	A-30	A-60	A-15	A-60
Sanitary and similar spaces	(9)									C	A-0a	A-0	A-0	A-0	A-0
Tanks, voids and auxiliary machinery spaces having little or no fire risk	(10)											A-0	A-0	A-0	A-0
Auxiliary machinery spaces, cargo spaces, cargo and other oil tanks and other similar spaces of moderate fire risk	(11)											A-0a	A-0	A-0	A-15
Machinery spaces and main galleys	(12)												A-0a	A-0	A-60
Store-rooms, workshops, pantries, etc.	(13)													A-0a	A-0
Other spaces in which flammable liquids are stowed	(14)														A-30

Table 9.2 Decks not forming steps in main vertical zones nor bounding horizontal zones

(*SOLAS Chapter II-2*)

Spaces below ↓ Spaces above →		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Control Stations	(1)	A-30	A-30	A-15	A-0	A-0	A-0	A-15	A-30	A-0	A-0	A-0	A-60	A-0	A-60
Stairways	(2)	A-0	A-0	A-0	A-0	A-0	A-0	A-0	A-0	A-0	A-0	A-0	A-30	A-0	A-30
Corridors	(3)	A-15	A-0	A-0a	A-60	A-0	A-0	A-15	A-15	A-0	A-0	A-0	A-30	A-0	A-30
Evacuation stations and external escape routes	(4)	A-0	A-0	A-0	A-0		A-0	A-0	A-0	A-0	A-0	A-0	A-0	A-0	A-0
Open deck spaces	(5)	A-0	A-0	A-0	A-0		A-0	A-0	A-0	A-0	A-0	A-0	A-0	A-0	A-0
Accommodation spaces of minor fire risk	(6)	A-60	A-15	A-0	A-60	A-0	A-0	A-0	A-0	A-0	A-0	A-0	A-0	A-0	A-0
Accommodation spaces of moderate fire risk	(7)	A-60	A-15	A-15	A-60	A-0	A-0	A-15	A-15	A-0	A-0	A-0	A-0	A-0	A-0
Accommodation spaces of greater fire risk	(8)	A-60	A-15	A-15	A-60	A-0	A-15	A-15	A-30	A-0	A-0	A-0	A-0	A-0	A-0
Sanitary and similar spaces	(9)	A-0	A-0	A-0	A-0	A-0	A-0	A-0	A-0	A-0	A-0	A-0	A-0	A-0	A-0
Tanks, voids and auxiliary machinery spaces having little or no fire risk	(10)	A-0	A-0	A-0	A-0	A-0	A-0	A-0	A-0	A-0	A-0a	A-0	A-0	A-0	A-0
Auxiliary machinery spaces, cargo spaces, cargo and other oil tanks and other similar spaces of moderate fire risk	(11)	A-60	A-60	A-60	A-60	A-0	A-0	A-15	A-30	A-0	A-0	A-0a	A-0	A-0	A-30
Machinery spaces and main galleys	(12)	A-60	A-60	A-60	A-60	A-0	A-60	A-60	A-60	A-0	A-0	A-30	A-30a	A-0	A-60
Store-rooms, workshops, pantries, etc.	(13)	A-60	A-30	A-15	A-60	A-0	A-15	A-30	A-30	A-0	A-0	A-0	A-0	A-0	A-0
Other spaces in which flammable liquids are stowed	(14)	A-60	A-60	A-60	A-60	A-0	A-30	A-60	A-60	A-0	A-0	A-0	A-0	A-0	A-0

Notes: To be applied to tables 9.1 and 9.2 as appropriate.

a. Where adjacent spaces are in the same numerical category and superscript "a" appears, a bulkhead or deck between such spaces need not be fitted if deemed unnecessary by the Administration. For example, in category (12) a bulkhead need not be required between a galley and its annexed pantries provided the pantry bulkhead and decks maintain the integrity of the galley boundaries. A bulkhead is, however, required between a galley and machinery space even though both spaces are in category (12).

b. The ship's side, to the waterline in the lightest seagoing condition, superstructure and deckhouse sides situated below and adjacent to liferafts and evacuation slides may be reduced to "A-30".

c. Where public toilets are installed completely within the stairway enclosure, the public toilet bulkhead within the stairway enclosure can be of "B" class integrity.

d. Where spaces of categories (6), (7), (8) and (9) are located completely within the outer perimeter of the assembly station, the bulkheads of these spaces are allowed to be of "B-0" class integrity. Control positions for audio, video and light installations may be considered as part of the assembly station.

Space Categorization

Space Categories (1) through (10) as specified within SOLAS CH II-2/Reg 9.2.2.3 Fire integrity of bulkheads and decks in ships carrying more than 36 passengers

(1) Control stations
Spaces containing emergency sources of power and lighting, the ship's radio equipment, centralized fire alarm equipment, centralized emergency public address system stations and equipment, Wheelhouse and chartroom, Fire control stations, Control room for propulsion machinery when located outside the propulsion machinery space.

(2) Stairways
Interior stairways, lifts, totally enclosed emergency escape trunks, and escalators (other than those wholly contained within the machinery spaces) for passengers and crew and enclosures thereto. In this connection, a stairway which is enclosed at only one level shall be regarded as part of the space from which it is not separated by a fire door.

(3) Corridors
Passenger and crew corridors and lobbies

(4) Evacuation stations and external escape routes
Survival craft stowage area, Open deck spaces and enclosed promenades forming lifeboat and liferaft embarkation and lowering stations, Assembly stations, internal and external. External stairs and open decks used for escape routes. The ship's side to the waterline in the lightest seagoing condition, superstructure and deckhouse sides situated below and adjacent to the liferaft and evacuation slide embarkation areas

(5) Open deck spaces
Open deck spaces and enclosed promenades clear of lifeboat and liferaft embarkation and lowering stations. To be considered in this category, enclosed promenades shall have no significant fire risk, meaning that furnishings shall be restricted to deck furniture. In addition, such spaces shall be naturally ventilated by permanent openings. Air spaces (the space outside superstructures and deckhouses).

(6) Accommodation spaces of minor fire risk
Cabins, offices and dispensaries containing furniture and furnishings of restricted fire risk, Public spaces containing furniture and furnishings of restricted fire risk and having a deck area of less than 50 m2.

(7) Accommodation spaces of moderate fire risk
Spaces as in category (6) above but containing furniture and furnishings of other than restricted fire risk, Public spaces containing furniture and furnishings of restricted fire risk and having a deck area of 50 m2 or more, Isolated lockers and small store-rooms in accommodation spaces having areas less than 4 m2 (in which flammable liquids are not stowed), Motion picture projection and film stowage rooms, Diet kitchens (containing no open flame), Cleaning gear lockers and Laboratories (in which flammable liquids are not stowed), Pharmacies, Small drying rooms (having a deck area of 4 m2 or less), Specie rooms and Operating rooms.

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(8) Accommodation spaces of greater fire risk
Public spaces containing furniture and furnishings of other than restricted fire risk and having a deck area of 50 m2 or more, sale shops, Barber and beauty parlors, saunas

(9) Sanitary and similar spaces
Communal sanitary facilities, showers, baths, water closets, etc., Small laundry rooms, Indoor swimming pool area, Isolated pantries containing no cooking appliances in accommodation spaces, Private sanitary facilities shall be considered a portion of the space in which they are located.

(10) Tanks, voids, and auxiliary machinery spaces having little or no fire risk
Water tanks forming part of the ship's structure, Voids and cofferdams, Auxiliary machinery spaces which do not contain machinery having a pressure lubrication system and where storage of combustibles is prohibited, such as: ventilation and air-conditioning rooms; windlass room; steering gear room; stabilizer equipment room; electrical propulsion motor room; rooms containing section switchboards and purely electrical equipment other than oil-filled electrical transformers (above 10 kVA); shaft alleys and pipe tunnels; and spaces for pumps and refrigeration machinery (not handling or using flammable liquids). Closed trunks serving the spaces listed above, other closed trunks such as pipe and cable trunks.

(11) Auxiliary machinery spaces, cargo spaces, cargo and other oil tanks and other similar spaces of moderate fire risk
Cargo oil tanks. Cargo holds, trunkways and hatchways. Refrigerated chambers. Oil fuel tanks (where installed in a separate space with no machinery). Shaft alleys and pipe tunnels allowing storage of combustibles. Auxiliary machinery spaces as in category (10) which contain machinery having a pressure lubrication system or where storage of combustibles is permitted. Oil fuel filling stations. Spaces containing oil-filled electrical transformers (above 10 kVA). Spaces containing turbine and reciprocating steam engine driven auxiliary generators and small internal combustion engines of power output up to 110 kW driving generators, sprinkler, drencher or fire pumps, bilge pumps, etc. Closed trunks serving the spaces listed above.

(12) Machinery spaces and main galleys
Main propulsion machinery rooms (other than electric propulsion motor rooms) and boiler rooms. Auxiliary machinery spaces other than those in categories (10) and (11) which contain internal combustion machinery or other oil-burning, heating or pumping units.
Main galleys and annexes Trunks and casings to the spaces listed above.

(13) Store-rooms, workshops, pantries, etc.
Main pantries not annexed to galleys. Main laundry. Large drying rooms (having a deck area of more than 4 m2). Miscellaneous stores. Mail and baggage rooms. Garbage rooms. Workshops (not part of machinery spaces, galleys, etc.). Lockers and store-rooms having areas greater than 4 m2, other than those spaces that have provisions for the storage of flammable liquids.

(14) Other spaces in which flammable liquids are stowed
Paint lockers. Store-rooms containing flammable liquids (including dyes, medicines, etc.). Laboratories (in which flammable liquids are stowed).