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~~CHINA CLASSIFICATION SOCIETY~~INTERNATIONAL  
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**GUIDELINES FOR STATUTORY  
SURVEYS OF INLAND WATERWAY  
SHIPS**

2015

**PART EIGHT ACCOMMODATIONS FOR CREW**

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## CHAPTER 1 GENERAL PRINCIPLES

### Section 1 GENERAL PROVISIONS

#### 1.1.1 Application

1.1.1.1 Unless otherwise specified, This PART applies to selfpropelled ships of that GT more than 1000 and sailing time more than 12 hours.

1.1.1.2 If reasonable and practicable, This PART also may apply to tug or push boat.

#### 1.1.2 Definitions

1.1.2.1 a *crew accommodation* includes such sleeping rooms, mess rooms, sanitary accommodation, hospital accommodation and recreation accommodation as are provided for the use of the crew.

1.1.2.2 An *officer* means a member of the crew such as chief officer, second officer, third officer, second engineer, third engineer, fourth engineer, electrical engineer, radio operators (if the ship has this staffing), etc.

1.1.2.3 A *rating* means a member of the crew other than master, chief engineer, and an officer.

## CHAPTER 2 ACCOMMODATIONS FOR CREW

### Section 1 SLEEPING ROOMS

#### 2.1.1 Arrangement of Sleeping Rooms

2.1.1.1 Sleeping rooms are to be situated above the load line and after the collision bulkhead.

In passenger ships, on condition that satisfactory arrangements are made for lighting and ventilation, the location of sleeping rooms may permit below the load line, but the side collision tank is to be provided reasonably.

2.1.1.2 Arrangement of sleeping room of oil tank is to also comply with relevant provisions of CHAPTER 3, PART 5 of this Guideline.

#### 2.1.2 Quotas of Crew Accommodation

2.1.2.1 The number of persons allowed to occupy rating sleeping room is to not exceed the maxima, six persons per room for passenger ships, generally four persons per room for other ships.

2.1.2.2 The master and chief engineers are to be one person per room, the officer is to be generally two persons per room.

#### 2.1.3 Floor areas

2.1.3.1 The average floor area of crew is to be more than or equal to 2.35 m<sup>2</sup>.

2.1.3.2 In the measurement of the floor area, space occupied by berths and lockers, chests of drawers and seats are to be included. Small or irregularly shaped spaces which do not add effectively to the space available for free movement and cannot be used for installing furniture are to be excluded. The measurement are to be from the inner side of trunk bulkhead of the sleeping room.

2.1.3.3 With the consent of [CCSISC](#), the floor area of rating sleeping rooms may be reduced appropriately, but is to comply with the following requirements:

- (1) 1.67m<sup>2</sup> per person in ships of GT less than 3000 but more than 1000;
- (2) 1.85m<sup>2</sup> per person in ships of GT more than or equal to 3000.

#### 2.1.4 Miscellaneous

2.1.4.1 The berth is to be of material, hard, smooth, not likely to warp or to corrode.

2.1.4.2 Members of the crew are to be provided with individual berths. The minimum inside dimensions of a berth are to be 1.9m×0.8m.

2.1.4.3 If tubular frames are used for the construction of berths, they are to be without any open which would give access to vermin.

2.1.4.4 Each berth is to be fitted with a mattress, quilt or blanket, pillow.

When one berth is placed over another, a dust-proof bottom of wood, canvas or other suitable material are to be fitted beneath the bottom of the upper berth.

At least one unobstructed way is to be beside the edge of each berth.

2.1.4.5 Multi-person crew sleeping rooms are to be fitted with bed cutains. The bed cutain is to be able to effectively enclose the bed.

2.1.4.6 In crew sleeping rooms, a scuttle or window is to be fitted with a curtain, window shade, or fixed shutter.

### Section 2 MESS ROOMS

#### 2.2.1 General requirements

2.2.1.1 The mess room is to be separate from sleeping rooms, and be as far as possible close to galleys. When the mess room is not be on the same floor with the galley, a appropriate food elevator is to be fitted between them.

2.2.1.2 The mess room is to be equipped with tables and seats sufficient for all crews to use them. Tables and seats are to be of damp-resisting material, not likely to crack and capable of being easily cleaned.

2.2.1.3 Where available pantries are not directly accessible to mess rooms, adequate lockers for mess utensils and facilities for washing utensils are to be provided.

## Section 3 LOUNGES AND OFFICES

### 2.3.1 General requirements

2.3.1.1 Lounges, conveniently situated and appropriately furnished, are to be provided for officers and for ratings. Where this is not provided separately from the mess rooms, the latter is to be equipped to give appropriate facilities.

2.3.1.2 A smoking room is to be provided in oil tanks, chemical tanks, liquied gas carrier, dangerous goods cariries, etc.

2.3.1.3 If possible, one separate or shared room for the deck department and engine department is to beprovide and equipped for use as an office.

## Section 4 SANITARY FACILITIES

### 2.4.1 General requirements

2.4.1.1 The arrangement and fitting of sanitary accommodation, are to avoid the smell penetrated into adjacent accommodations, public spaces, grain depots, food accommodations, hospital accommodations, mess rooms, and galleys, etc. Sanitary accommodation are to not be above galleys, mess rooms, grain depots, and food accommodations. Sanitary accommodation are to be favorably drained off water, lighted, and ventilated.

2.4.1.2 Sanitary facilities, conveniently situated, are to be provided, one shower bath and one flush toilet for every 6 persons. In passage ships, the following minimum number of flush toilet closets is to be provided:

- (1) 4 for passenger ships of GT more than 1000 and less than 3000;
- (2) 6 for passenger ships of GT more than or equal to 3000.

### 2.4.2 Miscellaneous

2.4.2.1 Wash basins are to be constructed of approved material with a smooth surface, waterproof,not liable to crack, flake or corrode.

2.4.2.2 Each flush toilet is to be provided with an ample flush of water, available at all times and independently controllable.

2.4.2.3 Soil pipes are to be of adequate dimensions and are to be so constructed as to minimise the risk of obstruction and to facilitate cleaning.

2.4.2.4 where there is more than one flush toilet in a compartment, they are to be effectively separated, and the floor area of one water closet is to be more than or equal to 0.8m<sup>2</sup>.

2.4.2.5 If possible, a separate sanitary accommodation is to be provided in the followings:

- (1) Readily accessible spaces on bridge deck for the officer of the watch
- (2) Readily accessible spaces for the engineer in the machinery space.

The separated water closet is to be fitted with one flush toilet and one wash basins with a water faucet.

2.4.2.6 For ships of GT more than or equal to 3000, readily accessible spaces for crews outside the machinery space generally are to be provided with facilities for changing clothes, which are to be fitted with individual clothes lockers, shower baths and wash basin.

2.4.2.7 When women are employed in a ship, separate sanitary facilities are to be provided for them. The equipment standard can be according to the above.

## Section 5 LIGHTING EQUIPMENT

### 2.5.1 General requirements

2.5.1.1 Crew accommodation are to be adequately lighted.

2.5.1.2 The minimum standard for natural lighting in living rooms is to be such as to permit a person with a normal vision to read on a clear day an ordinary newspaper in any part of the space available for free movement. When it is not possible to provide adequate natural lighting, artificial lighting of the above minimum standard are to be provided.

2.5.1.3 In sleeping rooms, an electric reading lamp is to be installed at the head of each berth.

2.5.1.4 For passenger ships, subject to such special arrangements, sleeping rooms and mess rooms are to be lighted by the way of the combination of natural light and artificial light.

## **Section 6 HEATING, VENTILATION AND NOISES**

### **2.6.1 Heating**

2.6.1.1 An adequate system of heating the crew accommodation is to be provided according when the crew require its use.

2.6.1.2 The heating system is to, when practicable, be in operation at all times when the crew is living or working on board and conditions require its use.

2.6.1.3 The heating is to be by means of steam, hot water, warm air or electricity.

2.6.1.4 The installation of heating system is to avoid risk of fire or danger or discomfort to the occupants, where necessary, be shielded.

### **2.6.2 Ventilation**

2.6.2.1 The crew accommodation are to have favorable natural ventilations or mechanical ventilations.

2.6.2.2 The ship machine control room is to be fitted with air conditioners.

2.6.2.3 Power for the operation of air conditioner system, mechanical ventilations, or electric fans are to, when practicable, be available at all times when the crew is living or working on board and conditions require its use.

2.6.2.4 The exhaust pipes of the galleys, bath rooms, water closets, or other spaces, which may produce peculiar smell, are to separate from the exhaust pipes of other accommodation.

### **2.6.3 Noises**

2.6.3.1 Ships are to prevent harmful noise producing from crew accommodations and working spaces.

## **Section 7 ARRANGEMENT AND STRUCTURES OF ACCOMMODATIONS, WAYS AND ACCESSES**

### **2.7.1 General requirements**

2.7.1.1 The location, means of access, structure and arrangement in relation to other spaces of crew accommodation are to be such as to ensure adequate security, protection against wind and rain, and insulation from heat or cold, undue noise or effluvia from other spaces.

2.7.1.2 Ways and accesses are to ensure crew easily pass in and out from accommodations, easily reach open decks and boat deck.

2.7.1.3 Except in machinery spaces, escape ways are to be provided in spaces of crew passing in and out, and spaces of crew often using.

2.7.1.4 Unless otherwise provides, there is to be no any direct opening into sleeping rooms from the following spaces: cargo spaces, machinery spaces, galleys, lamp rooms, paint rooms, battery rooms, machinery rooms, utility rooms, drying rooms, communal wash places, or water closets.

That parts of the bulkhead separating machinery spaces, galleys, paint rooms, and battery rooms from sleeping rooms are to be efficiently constructed of steel or other approved substance and are to be watertight and gastight.

### **2.7.2 Minimum headroom in crew accommodations**

2.7.2.1 The minimum headroom in all crew accommodation where full and free movement is necessary is to be more than or equal to 1.9m. The minimum headroom means the height from the upper surface of the floor in crew accommodation to the lower surface of the ceiling(or the deckhead beam where there is no ceiling).

### **2.7.3 Miscellaneous**

2.7.3.1 The inner bulkheads and ceilings are to be of proper material, easily cleaned.

2.7.3.2 Floors of galleys are to be of durable material, easily cleaned and with anti-skid measures;

2.7.3.3 Doors, windows, ventilations accessing to open deck are to be fitted with proper gauze.

2.7.3.4 Doors of all crew accommodation are to be provided with clear handwriting labels indicating the accommodation name.

## **Section 8 FEEDWATER, WASHING WATER AND MISCELLEANUOUS**

### **2.8.1 General requirements**

2.8.1.1 The capacity of water tanks of feedwater and washing water is to be fix according to the total number of the crew and the voyage time. The water quality is to comply the relevant hygienic standards of the Administration.

2.8.1.2 Feedwater and washing water are to be provided with independent water supply system. The arrangement and structure are to be able to prevent any possible pollution.

2.8.1.3 Pipes of feedwater and washing water are suggested to be of galvanized steel or brass, prohibited to be of plumbing.

### **2.8.2 Miscellaneous**

2.8.2.1 An medicine chest is to be carried in every ship.