Unified Interpretation on Means of Escape from Machinery Spaces

Object of Amendment

Guidance for the Survey and Construction of Steel Ships Part R Guidance for the Survey and Construction of Passenger Ships

Reason for Amendment

SOLAS Regulation II-2/13.4 specifies requirements related to the means of escape from machinery spaces, and IMO circular MSC.1/Circ.1511 is the unified interpretation (UI) for such requirements. The contents of this UI have already been incorporated into ClassNK Rules.

The UI stipulates that spaces where flammable liquids are stowed are not considered to be a "safe position" capable of serving as the exit of an escape route from a machinery space. Some vessels, however, have been designed so that the exits of escape routes lead to steering gear spaces, and it is unclear whether such steering gear spaces are considered to be "a safe position" in cases where they contain storage tanks for hydraulic oils for the steering gear equipment. IACS brought this to attention of the IMO, and also submitted a draft amendment for the UI to the IMO that clarified steering gear spaces in which hydraulic oils for the steering gear equipment are stored are considered to be a "safe position".

The IACS draft amendments were agreed upon by 10th session of IMO Sub-Committee on Ship Design and Construction (SDC 10) held in January 2024 and received final approval as MSC.1/Circ.1511/Rev.1 at 108th session of IMO Maritime Safety Committee (MSC108) held in May 2024.

Accordingly, relevant requirements are amended at this time in anticipation of their final approval as MSC.1/Circ.1511/Rev.1.

Outline of the Amendment

Adds steering gear spaces in which hydraulic oils for the steering gear equipment are stored as a safe position with respect to exits for escape routes from machinery spaces.

Effective Date and application

The effective date of this amendment is 27 June 2024.

ID: DX23-18

An asterisk (*) after the title of a requirement indicates that there is also relevant information in the corresponding Guidance.

Amended-Original Requirements Comparison Table (Unified Interpretation on Means of Escape from Machinery Spaces)

Amended	Original	Remarks
Part R FIRE PROTECTION, DETECTION AND EXTINCTION	Part R FIRE PROTECTION, DETECTION AND EXTINCTION	
R13 MEANS OF ESCAPE	R13 MEANS OF ESCAPE	
R13.4 Means of Escape from Machinery Spaces	R13.4 Means of Escape from Machinery Spaces	
R13.4.1 Escape from Machinery Spaces of Category <i>A</i> 8 A "safe position" specified in 13.4.1(1), Part R of the Rules is any space, such as steering gear spaces where hydraulic oils for the steering gear equipment are stowed, and vehicle and ro-ro spaces, from which access is provided and maintained clear of obstacles to the open deck. This excludes cargo spaces, lockers, storerooms, cargo pump-rooms and spaces where flammable liquids are stowed.	R13.4.1 Escape from Machinery Spaces of Category <i>A</i> 8 A "safe position" specified in 13.4.1(1), Part R of the Rules is any space, excluding cargo spaces, lockers and storerooms irrespective of their area, cargo pump-rooms and spaces where flammable liquids are stowed, but including vehicle and ro-ro spaces, from which access is provided and maintained clear of obstacles to the open deck.	
EFFECTIVE DATE AND APPLICATION		
1. The effective date of the amendments is 27 June 2024.		

Amended-Original Requirements Comparison Table Amended		1	Original	Remarks
GUIDANCE FOR THE SURVEY AND CONSTRUCTION OF PASSENGER SHIPS		FOR THE SURVEY AND	GUIDANCE FOR THE SURVEY AND CONSTRUCTION OF PASSENGER SHIPS	
Annex 7-1 INTERPRETATION OF PROVISION OF CHAPTER II-2, SOLAS CONVENTION ON PASSENGER SHIPS			Annex 7-1 INTERPRETATION OF PROVISION OF CHAPTER II-2, SOLAS CONVENTION ON PASSENGER SHIPS	
1 INTERPRETATION OF PROVISION OF CHAPTER II-2, SOLAS CONVENTION			1 INTERPRETATION OF PROVISION OF CHAPTER II-2, SOLAS CONVENTION	
1.1 Interpretation			1.1 Interpretation	
Interpretation of provision of Chapter II-2, <i>SOLAS</i> Convention (Amendments of Res. <i>MSC</i> .99(73)) on passenger ships are to be in accordance with Table 7-1-A1 . Figures and tables referred to in provision and interpretation of provision are to comply with 1.2 respectively.		MSC.99(73)) on passenger ships are to be ble 7-1-A1. Figures and tables referred to in	Interpretation of provision of Chapter II-2, <i>SOLAS</i> Convention (Amendments of Res. <i>MSC</i> .99(73)) on passenger ships are to be in accordance with Table 7-1-A1 . Figures and tables referred to in provision and interpretation of provision are to comply with 1.2 respectively.	
		Table 7-1-A1 Interpr	etation of SOLAS II-2	
	Number	SOLAS	Interpretation	
13.	3.4.1.1	(Omite Where the space is below the bulkhead deck the two means of escape shall consist of either: .1 two sets of <i>steel ladders</i> *1 as widely separated as possible, leading to doors in the upper part of the space similarly separated and from which access is provided	*1: Ladders having strings of flexible steel wire ropes are not acceptable in such escape routes.	
		to the appropriate lifeboat and liferaft embarkation decks. One of these ladders shall be located within a protected enclosure that satisfies regulation 9.2.2.3,	*2: A "safe position" can be any space, excluding lockers and storerooms irrespective of their area, eargo spaces and spaces where	

Amended-Original Requirements Comparison Table (Unified Interpretation on Means of Escape from Machinery Spaces)

Amended-Original Requirements Comparison Table (Unified Interpretation on Means of Escape from Machinery Spaces)

	Amended	Original	Remarks
Number	Table 7-1-A1 Interpretation	of SOLAS II-2(Continued) Interpretation	
13.4.1.4	Two means of escape shall be provided from <i>a machinery control room</i> *1 located within a machinery space, at least one of which will provide <i>continuous fire shelter</i> *2 to a <i>safe position</i> *3 outside the machinery space.	*1: Refer to R13.4.5-1, Part R of the Guidance for the Survey and Construction of Steel Ships. *2: Refer to R13.4.5-2 to R13.4.5-4, Part R of the Guidance for the Survey and Construction of Steel Ships. *3: A "safe position" can be any space, excluding lockers and storerooms irrespective of their area, eargo spaces and spaces where flammable liquids are stowed, but including special eategory spaces and ro-ro-spaces, from which access is provided and maintained clear of obstacles to the embarkation decks such as steering gear spaces where hydraulic oils for the steering gear equipment are stowed, and special category spaces and ro-ro-spaces, from which access is provided and maintained clear of obstacles to the embarkation decks. This excludes lockers, storerooms, cargo spaces and spaces where flammable liquids are stowed.	
	(Omitte	od)	
	E DATE AND APPLICATION atte of the amendments is 27 June 2024.		