



Germanischer Lloyd

Notes on approval and arrangement of EEBD's



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Notes on approval and arrangement of Emergency Escape Breathing Devices (EEBDs)

The actual requirements for EEBDs are laid down in the following documents:

- a) SOLAS 74 including amendments 2000 (IMO Res. MSC.99(73), Reg. II-2/13.3.4 and 13.4.3;
- b) International Code for Fire Safety Systems (IMO Res. MSC.98(73), Chapter 3, Para. 2.2;
- c) MSC/Circ. 849 – Guidelines for the performance, location, use and care of emergency escape breathing devices (EEBDs).

Application:

All passenger ships and all cargo ships (≥ 500 GT) shall be provided with EEBDs as follows:

- newbuildings* – on all newbuildings with keel laying date on or after 01.07.2002,
- existing ships* – on all existing ships not later than the date of *the first survey* after 1 July 2002.*

Approval:

EEBDs shall be of approved type according to the requirements of the Code for Fire Safety Systems [b].

On ships for which GL is authorised to issue the CSSEC, GL approval is required. On other ships approval by the relevant flagstate, or acceptance of an approval by this Administration, is required.

According to the next (3rd) amendments to the Directive, which will be most probably come into force on 1st July 2002, EEBDs will be included in the Annex A.1 to the EC Marine Equipment Directive. Therefore, approval according to the Directive will be required.

Number:

Cargo Ships:

- accommodation area 2 [a] Reg. II-2/13, 3.4.2];
- machinery spaces at least 2 (acc. to room arrangement and number of persons normally working there, see Safe Manning Certificate) [a] Reg. II-2/13,4.3.1];
- spare units 1 [a] Reg. II-2/13, 3.4.1];
- training units 1, which is clearly marked [c] Para. 6].

Passenger Ships:

- accommodation area 2 in each main vertical zone [a] Reg. II-2/13, 3.4.3];
(more than 36 passengers) + 2 add. in each main vertical zone [a] Reg. II-2/13, 3.4.4];
- machinery spaces at least 2 (acc. to room arrangement and number of persons normally working there, see Safe Manning Certificate) [a] Reg. II-2/13,4.3.1];
- spare units 2 [a] Reg. II-2/13, 3.4.1];
- training units 1, which is clearly marked [c] Para. 6].

The indicated numbers must be increased acc. to additional national requirements if any or if required by the arrangement on board.

Arrangement:

Unless personnel are individually carrying EEBDs, consideration should be given for placing such devices along the escape routes within the machinery spaces or at the foot of each escape ladder within the spaces. In addition, control spaces, workshops and similar working places located within the machinery spaces should also be considered for the possible location of such devices [c) para. 4.6].

Recommended places for storage of EEBDs within the accommodation area are the bridge, the mess rooms and the galley, either within these spaces or near those spaces within means of escape.

Indication in the fire control plan:

The number and location of these devices shall be indicated in the fire control plan [a) Reg. II-2/13,4.3.2]. The revision shall be endorsed by the attending GL surveyor.

recommended symbol (colour green) for indication on board and in the fire control plan:



Emergency escape breathing device

The provided EEBDs have to be indicated also in the *Record of approved Cargo Ship Safety Equipment* (Form F410).

GL approved types:

- „M-20.2 EEBD“ of Ocenco, Inc. (17096-00 HH)
- „S-Cap-Air“ and „UNISCAPE 15H“ of MSA AUER GmbH (40902-01 HH)
- “Sabre Elsa 2000” of Protector Technologies Ltd (42605-02 HH)
- “Saver PP” and “Saver CF” of Dräger Safety AG (42730-02 HH)
- “SPIROSCAPE HP15” of INTERSPIRO AB (42731-02 HH)
- “SPIROSCAPE HP15” of INTERSPIRO AB (42933-02 HH)

Please contact GL-HO for the actual approval list.

For assistance the attached Self-Checklist may be used.

- *) first survey:**
- *Passenger ships, the first initial or renewal survey for the issue of the PSSC;*
 - *Cargo ships, the first initial, annual, periodical or renewal survey for the issue of the CSSEC; or any occasional survey which implies the confirmation of validity of the a.m. certificates.*



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Number and arrangement of Emergency Escape Breathing Devices Self - Checklist

Name of Ship:		Nationality:	
IMO-No.:		Type of Ship:	
GL Register No.:		Gross Tonnage:	
Number of EEBDs:	Total (in machinery and accommodation spaces): []	Spare devices: []	Training devices: []

No.		Yes	No	N/A
1.	General			
1.1	Product information			
1.1.1	Manufacturer:			
1.1.2	Type:			
1.1.3	Approval- number: (the devices to be of GL-approved type or to be approved by an other authorised body)			
1.2	Service and maintenance instructions			
	Instructions of the manufacturer included in the maintenance plan or program, (II-2/14)	<input type="checkbox"/>	<input type="checkbox"/>	
1.3	National requirements			
	Number and arrangement comply with the national requirements (information in internet under www.germanlloyd.org)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.4	Fire control plans (II-2/13.4.3.2)			
1.4.1	Location and numbers of EEBDs indicated in the fire control plan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.4.2	Indications on the fire control plan comply with the arrangement on board	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.4.3	Revisions to the fire control plan endorsed by the attending GL surveyor	<input type="checkbox"/>		
2.	Accommodation (II-2/13.3.4.2 to 13.3.4.5)			
2.1	Number			
2.1.1	cargo ships (at least 2) : []	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.1.2	Passenger ships (at least 2 in each main vertical zone): []	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.1.3	Passenger ships carrying more than 36 pass. (at least 4 in each main vertical zone): []	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

