

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV GL AS under the authority of the Government of the Kingdom of Norway.

This is to certify:

That the Marine evacuation systems

with type designation(s)
Viking SBS MES

Issued to

Viking Life-Saving Equipment A/S
Esbjerg V, Denmark

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2017/306**,
item No. MED/1.27. SOLAS 74 as amended, Reg. III/4, III/15, III/26, III/34 & X/3, LSA
Code and 2000 HSC Code 8.

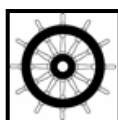
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2022-09-27**.

Issued at **Høvik** on **2017-09-28**

DNV GL local station:
Fredericia

Approval Engineer:
Tessa Biever



Notified Body
No.: **0575**

for **DNV GL AS**

Vidar Dolonen
Head of Notified Body

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F), as allowed by the "Agreement between the United States of America and the EEA EFTA states on the mutual recognition of Certificates of Conformity for Marine Equipment" signed 17 October 2005.

The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.

This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV GL AS of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled.

Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.



Product description

Viking SBS MES is a Marine Evacuation System where evacuation is done via a 3m, 4m or 5m long inflatable slide (packed in a valise), directly into one of the following Viking liferafts:

VIKING SBS MES						
Liferaft type (B-pack)		50 DKR	100 DKR	150 DKR	100 DKS	150 DKS
Mini-Slide	Evacuation height (m)					
3m slide	1,5 – 2,1	✓	✓	✓	✓	✓
4m slide	2,2 – 2,7	✓	✓	✓	✓	✓
5m slide	2,8 – 3,2	✓	-	✓	✓	✓

DKR liferafts (without canopy roof) are HSC approved.

DKS liferafts (with canopy roof) are SOLAS B approved.

This MES in combination with open reversible rafts (DKR) is intended for installation on high speed vessels trading in sheltered waters and suitable climatic conditions.

Application/Limitation

- The system is subject to acceptance by the Flag Administration.
- The system is approved for the following max. installation heights:
- Max. evacuation capacity for Viking SBS MES:
 - o In combination with 100 DKS/DKR: 101 persons in 17 min. 40 sec. according to HSC Code (incl. cut free of liferafts)
 - o In combination with 150 DKS/DKR: 153 persons in 17 min. 40 sec. according to HSC Code (incl. cut free of liferafts)
- The main liferafts shall have separate EC Approval and be wheelmarked.
- Open reversible liferafts shall be accepted by Flag.
- Gas cylinders shall be of an approved type.
- Components in the gas inflation system for the inflatable slide shall be approved according to ISO 15738:2002 or equivalent standard.
- The arrangement of the MES onboard any vessel, including the passageway and embarkation areas, are subject to approval by the administration to ensure that the flow rate as stated above can be maintained throughout the total evacuation of the number of persons for which the MES is certified for.
- It shall be verified that the ship on which the MES is installed is equipped with a sufficient number of rescue boats to satisfactory marshall and support the bowing and tow away, as applicable, of all the associated life rafts within the times allowed for embarkation as per SOLAS Ch.III/Reg.21.1.3 and 31.1.5.
- Production and installation testing shall be according to IMO Res. MSC. 81(70), part 2.

The following is to be submitted to the flag administration in each case, either by the yard, owner or equipment manufacturer:



Job Id: **344.1-007170-1**
Certificate No: **MEDB00002Y4**

Type Examination documentation

Tests carried out

Test documentation in accordance with recommendation on testing of Lifesaving Appliances, IMO Res. MSC 81(70), part 1 as given by the Technical Documentation specified above.

Marking