

# EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:  
**MEDB0000B32**  
Revision no.:  
**0**

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 AS under the authority of the Government of Norway.

## This is to certify:

that the **Public Address and General Alarm Systems (PAGA): - speakers**

with type designation(s)  
**MPA-9000S**

issued to

**MRC Inc.**  
**Busan, Korea, Republic of**

is found to comply with the Implementing Regulation (EU) 2025/1533 for  
Item no. **MED/1.44b** (Row **1 of 1**)

according to the following requirements:

**SOLAS 74 Reg. II-2/12, SOLAS 74 Reg. II-2/21, SOLAS 74 Reg. II-2/22, SOLAS 74 Reg. III/6, IMO Res. A.1021(26) 5, IMO Res. MSC.48(66)-(LSA Code) VII, IMO MSC.1/Circ.808, IMO MSC.1/Circ.1369/Add.1, SOLAS 74 Reg. III/4, SOLAS 74 Reg. X/3, IMO Res.MSC.36(63)-(1994 HSC Code) 4, IMO Res.MSC.36(63)-(1994 HSC Code) 8, IMO Res.MSC.97(73)-(2000 HSC Code) 4, IMO Res.MSC.97(73)-(2000 HSC Code) 8**

(Manufacturers authorised representative)

**Movena GmbH**  
**Bremen, Reeder-Bischoff-Str. 65, D-28757, Germany**

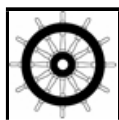
Further details of the equipment and conditions for certification are given overleaf.

Date of issue: **2025-12-21**

Expiry date: **2030-12-20**

DNV local unit:  
**Busan, CMC Korea**

Approval Engineer:  
**Tommi Juhani Rifaat**



for **DNV AS**

Notified Body  
no.: **0575**

**Christine Mydlak-Röder**  
**Head of Notified Body**



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 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.

**LEGAL DISCLAIMER:** Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to USD 300 000.

## Product description

Please see Appendix: Product Description

## Application/Limitation

The MPA-9000 Series speakers are to be installed according to manufacturer's operation and installation manuals.

The system shall be positioned more than 5 meters away from the magnetic compass.

## Type Examination documentation

### Tests carried out

- Environmental testing: IEC 60945 (2002)
- Performance testing: EN 50695 (2021)

## Marking of product

The Manufacturer and Type Designation to be applied to the equipment in a clearly visible location. In addition the equipment shall be marked with serial number, safe distance to magnetic compass, power consumption and/or supply voltage.

# APPENDIX

## Product Description

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| Description              | Type                                                                                                                                                                                                                             | Software Version | Location  | Remark |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------|--------|
| Water tight speaker      | BHS-10A<br>BHS-10B<br>BHS-10C<br>BHS-10VA<br>BHS-10VB<br>BHS-10VC<br>BHS-20A<br>BHS-20B<br>BHS-20VA<br>BHS-20VB<br>BHS-20A(1)<br>BHS-20B(1)<br>BHS-20C(1)<br>BHS-20D(1) BHS-20VA(1)<br>BHS-20VB(1)<br>BHS-20VC(1)<br>BHS-20VD(1) | -                | Protected | -      |
| Water tight speaker      | HP-25A<br>HP-25B<br>HP-25C<br>HP-25D<br>HS-25A(1)<br>HS-25B(1)<br>HS-25C(1)<br>HS-25D(1)<br>HS-50A<br>HS-50B<br>HS-50A(1)<br>HS-50B(1)                                                                                           | -                | Protected | -      |
| Double face type speaker | LD-5A<br>LD-5B<br>LD-5C<br>LD-5VA<br>LD-5VB<br>LD-5VC                                                                                                                                                                            | -                | Protected | -      |
| Flush type speaker       | LF-5A<br>LF-5B<br>LF-5C<br>LF-5VA<br>LF-5VB<br>LF-5VC                                                                                                                                                                            | -                | Protected | -      |
| Flush type speaker       | LP-5A<br>LP-5B<br>LP-5C<br>LP-5VA<br>LP-5VB<br>LP-5VC<br>WS-3A<br>WS-3B                                                                                                                                                          | -                | Protected | -      |

| Description                  | Type                                                                                        | Software Version | Location  | Remark |
|------------------------------|---------------------------------------------------------------------------------------------|------------------|-----------|--------|
| Wall type speaker            | LW-5A<br>LW-5B<br>LW-5C<br>LW-5VA<br>LW-5VB<br>LW-5VC<br>WS-2A<br>WS-2B<br>WS-2VA<br>WS-2VB | -                | Protected | -      |
| Ceiling type speaker         | RP-5A<br>RP-5B<br>RP-5C<br>RP-5VA<br>RP-5VB<br>RP-5VC                                       | -                | Protected | -      |
| Water tight portable speaker | PHS-20<br>PHS-20A<br>PHS-20B<br>PHS-20C<br>PHS-20D                                          | -                | Protected | -      |
| ATEX Speakers*               | HS-10Exde<br>HS-30Exde<br>WHS-10Exde<br>WHS-30Exde                                          |                  | Protected |        |

\* ATEX certification not in scope of this approval. Please refer to separate certification.