

TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MERB00005E7
Revision no.:
2

This Certificate is issued by DNV UK Limited based on authorisation of the Maritime & Coast Guard Agency (MCA) as an UK Approved Body to undertake conformity assessments on marine equipment in accordance with the requirements of the Merchant Shipping (Marine Equipment) Regulations 2016 as amended.

This is to certify:

that the **Sound reception system**

with type designation(s)
SR P-8300 MkII

issued to

Zenitel Norway AS avd Horten
HORTEN, Norway

is found to comply with the Regulation (UK) **MSN 1874 Amendment 10** for

Item no. **UK/4.58 (Row 2 of 2)**

according to the following requirements:

SOLAS 74 Reg. V/19, IMO Res. A.694(17), IMO Res. MSC.86(70), IMO Res. MSC.191(79), IMO Res. MSC.302(87), SOLAS 74 Reg. V/18, SOLAS 74 Reg. X/3, IMO Res. MSC.36(63)-(1994 HSC Code), IMO Res. MSC.97(73)-(2000 HSC Code)

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

Date of issue: **2025-10-23**

Expiry date: **2030-06-24**

DNV local unit:
Sandefjord

Approval Engineer:
Steinar Kristensen



Approved Body No.: 0097

for DNV UK Ltd.



Digitally Signed By:
Christine Mydlak-Röder

Christine Mydlak-Röder
MER Service Responsible



**Maritime &
Coastguard
Agency**

UK Approved Body Authorised
by the MCA

This certificate will not be valid if the manufacturer makes any changes or modifications to the approved type of equipment, which have not been notified to, and agreed with the approved body named on this certificate.

During the period of validity of this certificate the applicable regulations (international conventions and the relevant resolutions and circulars of the IMO) and testing standards may change, therefore the product conformity may need to be re-assessed by the Approved 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-control phase module (D, E or F) of Schedule 2 of the Merchant Shipping (Marine Equipment) Regulations 2016, as amended is fully complied with and controlled by a written inspection agreement with an approved body. In case limitations of use apply, these should be indicated in the Annex.

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 installation shall be installed and tested on board in accordance with the SR P-8300MKII User Manual.
- The SR P-8300 MkII Sound Reception System is found to comply with requirements for Sound Reception Systems for the additional class notations NAUT(OC) and NAUT (AW) as specified in the DNV Rules Pt.6, Ch.3, Sec.3 (July 2024, as amended).
- The SR P-8300 MkII Sound Reception System does not issue alerts, hence testing according to IEC 62923-1 and IEC 62923-2 is deemed as not being applicable.
- The SR P-8300 MkII Sound Reception System has also been tested for EMC in the range 2 GHz to 6 GHz.

Type Examination documentation

Document No.	Rev.	Title
295456-1	2016-03-07	Report: Nemko, IEC61162-450 test report for Jotron Phontech 8300 MkII
E16004.01	2016-03-15	Report: Nemko, IEC 60945 test report for Phontech 8300 and 8301
	2	Report: Zenitel, Phontech 8300MkII Type Approval tests
A100K12112	4	Report: Zenitel, IEC 61162-450 (2018) test report for SR 8300MKII
A100K11918	2.9	Manual: Zenitel, User Manual Phontech 8300 MkII
E22112.02	02	Report: Nemko, EMC test report to 6GHz for Phontech 8300 and 8301
E16052.01	01	Report: Nemko, Display performance IEC 62288 (2021) for Phontech 8300

Tests carried out

- Performance testing: ISO 14859 (2012) and DNV TA programme MED/4.58
- Environmental testing: IEC 60945 (2002) incl. Corr. 1 (2008)
- Interface testing: IEC 61162-450 (2018)
- Presentation of navigation information: IEC 62288 (2021)

Marking of product

The type designation and name and contact address of the manufacturer shall be affixed visibly, legibly and indelibly to the product. In addition the product shall be marked with serial number, safe distance to magnetic compass, power consumption and/or supply voltage.

APPENDIX

Product Description

Certificate no.:
MERB00005E7
Revision no.:
2

The SR P-8300 MkII Sound Reception System consists of the following modules:

Hardware Modules:

Unit	Description	Part No.	External interfaces
Display Unit	SR P-8300 MkII Display Unit	4000019415	LAN: 1 x RJ 45, 100Mbps Power: 24V DC, 8W Closed contact: Mute input
Microphone Unit	SR P-8301 MkII Microphone Unit	4000019416	

Software module:

SR P-8300 MkII SW v2.0.x