



# TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:  
**MERB00005E7**  
Revision No:  
**0**

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 requirements in the following Regulations/Standards:  
Regulation **MSN 1874 Amendment 6,**  
**item No. UK/4.58. SOLAS 74 as amended, Regulations V/18, V/19 & X/3, IMO Res. A.694(17), IMO Res. MSC.36(63), IMO Res. MSC.86(70), IMO Res. MSC.97(73), IMO Res. MSC.191(79), IMO Res. MSC.302(87)**

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

This Certificate is valid until **2024-06-23**.

Issued at **London** on **2022-11-07**

DNV local unit:  
**Norway CMC, East-South**



for **DNV UK Ltd.**

Approval Engineer:  
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Approved Body No.: **0097**

**Christine Mydlak-Röder**  
**MER Service Responsible**



**Maritime &  
Coastguard  
Agency**

UK Approved Body Authorised  
by the MCA

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. The product liability rests with the manufacturer or his representative in accordance with the Merchant Shipping (Marine Equipment) Regulations 2016.

This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV UK Ltd. of any changes to the approved equipment. 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. This certificate remains valid unless suspended, withdrawn, re-called, or cancelled.

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 300,000 USD.



## Product description

SR P-8300 MkII Sound Reception System, consisting 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

### 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 2019, 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.

### Tests carried out

- Performance testing: ISO 14859 (2012) and DNV TA programme MED/4.58
- Environmental testing: IEC 60945 (2002) incl. Corrigendum 1 (2008)
- Interface testing: IEC 61162-450 (2018)
- Presentation of navigation information: IEC 62288 (2014)

### Type Examination documentation

DNV No	Doc. ID	Rev.	Description
23	A100K12112	4	Report: Zenitel, IEC 61162-450 (2018) test report for SR 8300MKII
21		2	Report: Zenitel, Phontech 8300MkII Type Approval tests
20	A100K11918	2.4	Manual: Zenitel, User Manual for Phontech 8300 MkII
19	E16052.00	2016-03-11	Report: Nemko, Display performance IEC 62288 for Phontech 8300
18	E16004.01	2016-03-15	Report: Nemko, IEC 60945 test report for Phontech 8300 and 8301
16	295456-1	2016-03-07	Report: Nemko, IEC 61162-450 test report for Phontech 8300 MkII

### 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.