DNV·GL

Certificate No:
MEDB00000U4

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment (MED) as amended by directive 2014/93/EU. This Certificate is issued by DNV GL SE based on the notification of the German Federal Ministry of Transport, Building and Urban Development.

This is to certify:

That the Sound reception system

with type designation(s)
Sound reception device SRD414/4

Issued to
Zöllner Signal GmbH
Kiel, Germany

is found to comply with the requirements in the following Regulations/Standards:
Annex A.1, item No. A.1/4.58 and Annex B, Module B in the Directive. SOLAS 74 as amended, Regulation V/18, V/19 & X/3, IMO Res. A.694(17), 2000 HSC Code, IMO Res. MSC.86(70) & 191(79)

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

This Certificate is valid until **2021-04-20**.

Issued at **Hamburg** on **2016-04-21**

DNV GL local station:
Hamburg

Approval Engineer:
Falk Günter Bethke

Notified Body
No.: **0098**

for **DNV GL SE**

Sven Dudszus
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 Council Directive 96/98/EC, as amended.
This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV GL SE 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.

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Product description:

Sound reception system consisting of:
- Operating Unit type: SRD 414/4, with Software Version: 0.9.x.x
  Power supply: 24VDC

- Microphone Sensor Unit type: SRD 414/4, with Software Version: 0.9.x.x

Application/Limitation:

None

Type Examination documentation:
Tests carried out:

IEC 60945 (2002) including IEC 60945 Corrigendum 1 (2008), — IEC 61162-1 (2010), — IEC 62288 Ed.2.0 (2014), — ISO 14859 (2012).

Marking of product:

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