



**TYPE APPROVAL CERTIFICATE**  
No. **ELE138412XG/001**

**This is to certify** that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

<i>Description</i>	<b>SOUND RECEPTION SYSTEM</b>
<i>Type</i>	<b>VSS-V2 Sound Reception System</b>
<i>Applicant</i>	<b>ZENITEL NORWAY AS BROMSVEIEN 17 N-3194 HORTEN NORWAY</b>
<i>Manufacturer</i>	<b>ZENITEL NORWAY AS</b>
<i>Place of manufacture</i>	<b>BROMSVEIEN 17 N-3194 HORTEN NORWAY</b>
<i>Reference standards</i>	<b>IMO Res. MSC 86(70) Annex 1 Recommendation on Performance Standards for Sound Reception Systems</b>

Issued in **HAMBURG** on **January 15, 2013**. This Certificate is valid until **January 14, 2018**

  
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RINA  
**Giuseppe Russo**

This certificate consists of this page and 1 enclosure



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Enclosure - Page 1 of 1

**VSS-V2 Sound Reception System**

**Product Description:**

The VSS-V2 Sound Reception System consists of the following modules:

Module	Type	Item no.	Installation
VSS Master Panel - V2	VSS-MP	1021001100	Protected
VSS Slave Panel - V2	VSS-SP	1021001200	Protected
VSS Microphone Unit - V2	VSS-MU	1021002100	Exposed

**Application / Limitation:**

VSS-V2 shall be installed and tested according to the manufacturer's Installation & User Manual.

**Performed Tests:**

- Performance testing of the sound reception system: ISO 14859 (2012)
- Presentation of navigation information: IEC 62288 (2008)
- EMC and environmental testing: IEC 60945 (2002)
- Performance testing, sound reception system: DNV Rules Pt 6, Ch 8, (July 2011)

**Documentation:**

Documentation No.	Description
SRS2012-VSS DNV Type Approval	Report: Zenitel, VSS-V2 Performance Test Report
A100K11209	Manual: Zenitel, Sound Reception System VSS-V2 Installation & User Manual
E12067.00	Report: Nemko, EMC Report including Environmental Tests

**Marking of Product:**

The manufacturer and type designation is to be applied to the equipment in a clearly visible location, and in addition the equipment shall be marked with the serial number, safe distance to magnetic compass and power supply voltage.

**HAMBURG January 15, 2013**

