



CERTIFICATE NUMBER
16-LD1543066-PDA

DATE
13 Jul 2016

ABS TECHNICAL OFFICE
London Engineering Department

CERTIFICATE OF DESIGN ASSESSMENT

This is to certify that a representative of this Bureau did, at the request of
ZENITEL NORWAY AS

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is **Type Approved**. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

Product: **Telephone, Batteryless System**

Model: **12 and 20-Way Batteryless Telephone Systems**

This Product Design Assessment (PDA) Certificate 16-LD1543066-PDA, dated 13/Jul/2016 remains valid until 12/Jul/2021 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA.

Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

AMERICAN BUREAU OF SHIPPING



Theodoros Chatzidakas
Engineer/Consultant

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by the terms and conditions as contained in ABS Rules 1-1-A35.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010).

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Tier: 2 - PDA Issued

TC

Product: Telephone, Batteryless System
Model: 12 and 20-Way Batteryless Telephone Systems
Intended Service:

For use on ABS Classed Vessels and Offshore Installations in accordance with the listed ABS Rules and International Standards.

Description:

The VSP system is an emergency voice communication system, independent of the vessels' power supply, and is available for hand/head set phone unit connection in essential locations.

12-Way: VSP-211-L; VSP-213-L; VSP-223-L; VSP-122; VSP122-P
20-Way; VSP-211M-L; VSP-213M-L; VSP-212M-L; VSP22M
Intrinsically Safe VSP-5012 / VSP-512

The system components are available for panel, desktop or bulkhead mounting. The basic system consists of up to 12 main stations with selector switch for selective calling between all connected stations. By inserting an additional group selector in each station, the system can be increased to 20 extensions (Model: VSPM). The telephone unit is equipped with built-in system amplifier and capacitor battery. Activation by means of a hand generator (5-6 turns), allows 20 minutes speech time, which can be extended. Watertight plug boxes are available for additional headsets when required.

Rating:

Additional terminals for connection of 24 VDC power supply as option;
IP rating: IP44 except VSP-122-P, VSP-122, VSP-22M, VSP-512 IP66

Service Restriction:

Unit Certification is not required for this product. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

ATEX certified equipment is not to be installed in hazardous areas on U.S. Flagged Vessels, unless it can be proven to have been tested to the IEC 60079 series standards by an independent laboratory accepted by the U.S. Coast Guard. USCG MI Notice 01-12 (February 7, 2012) refers.

Comments:

Each configuration is to be specifically approved.

The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

Notes/Drawing/Documentation:

Drawing No. Declaration for VSP system, Declaration of Conformity, Revision: -, Pages: -
Drawing No. Request for Type Approval ABS Zenitel Norway for VSP system, Request for Type Approval ABS Zenitel Norway for VSP system, Revision: -, Pages: -

Terms of Validity:

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STANDARDS

ABS Rules:

- Steel Vessel Rules (2016): 1-1-4/7.7, 1-1-A3 & A4; 4-8-2/11.5.1, 4-8-2/11.5.3, 4-9-8/3, 4-9-8/7, 4-9-8 Table 1 and Table 2;
- Steel Vessels Under 90 Meters (295 Feet) in Length (2016): 1-1-4/7.7, 1-1-A3 & A4; 4-6-2/15.1, 4-6-2/15.5, 4-7-2 Table 1;
- Offshore Support Vessels (2016): 1-1-4/7.7, 1-1-A3 & A4, 4-8-2/11.5.1, 4-8-2/11.5.3, 4-9-8/3, 4-9-8/7, 4-9-8 Table 1 and Table 2;
- Steel Vessels for Service on Rivers and Intracoastal Waterways (2016): 1-1-4/7.7, 1-1-A3 & A4; 4-5-6/9.7;
- High Speed Crafts (2016): 1-1-4/11.9, 1-1-A2 & A3; 4-6-2/15.1, 4-6-2/15.5, 4-7-9 Table 9 and Table 10;
- Steel Barge Rules (2016): 1-1-4/7.9, 1-1-A3 & A4; 4-1-3/5.7;
- Mobile Offshore Drilling Units (2016): 1-1-4/9.7, 1-1-A2 & A3, 6-1-1/9, 6-1-1/13; 4-6-2/15.1, 4-6-2/15.5;
- Facilities on Offshore Installations (2016): 1-1-4/9.7, 1-1-A2 & A3.

National:
NA

International:
NA

Government:
NA

EUMED:
NA

OTHERS: TC
NA