

# TYPE APPROVAL CERTIFICATE

**This is to certify:****That the Batteryless Telephone System**with type designation(s)  
**VSP**

Issued to

**Zenitel Norway AS**  
**HORTEN, Norway**

is found to comply with

**DNV GL rules for classification – Ships, offshore units, and high speed and light craft****Application :****See page 2****Temperature A-D (See page 2)****Humidity B****Vibration A****EMC B****Enclosure A-B-C (See page 2)**Issued at **Høvik** on **2017-12-11**This Certificate is valid until **2022-12-10**.for **DNV GL**DNV GL local station: **Sandefjord**Approval Engineer: **Steinar Kristensen**

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**Jan Tore Grimsrud**  
**Head of Section**

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.



## Product description

Batteryless Telephone system for up to 20 extensions with hand generator. The system may be used with additional visible/audible signal units, and headset.

| Type designation | Description                                       | Location class, Temperature | Location class, Enclosure |
|------------------|---------------------------------------------------|-----------------------------|---------------------------|
| VSP211A-L        | Telephone with amplifier                          | A                           | A                         |
| VSP211L          | Telephone with amplifier, 12 positions selector   | A                           | A                         |
| VSP-211M-L       | Telephone with amplifier, 10x2 positions selector | A                           | A                         |
| VSP-212M-L       | Telephone, 10x2 pos. selector, relay latch timer  | A                           | B                         |
| VSP-213A-L       | Telephone                                         | A                           | B                         |
| VSP-213L         | Telephone, 12 positions selector                  | A                           | B                         |
| VSP-213M-L       | Telephone, 10x2 positions selector                | A                           | B                         |
| VSP-223A-L       | Telephone, relay latch timer                      | A                           | B                         |
| VSP-223-L        | Telephone, 12 pos. selector, relay latch timer    | A                           | B                         |
| VSP-122A         | Telephone, watertight                             | D                           | C                         |
| VSP-122AP        | Portable telephone, watertight                    | D                           | C                         |
| VSP-122          | Telephone, watertight, 12 pos. selector           | D                           | C                         |
| VSP-122P         | Portable telephone, watertight, 12 pos. selector  | D                           | C                         |
| VSP-22M          | Telephone, watertight, 10x2 pos. selector         | D                           | C                         |
| IRR-VSP-24       | Relay timer, 24VDC                                | A                           | B                         |
| IRR-VSPM-24      | Relay timer, 24VDC                                | A                           | B                         |
| IRR-VSP-110      | Relay timer, 110VAC                               | A                           | B                         |
| IRR-VSP-220      | Relay timer, 220VAC                               | A                           | B                         |
| IRR-VSPM-220     | Relay timer, 220VAC                               | A                           | B                         |

## Application/Limitation

- The system is to be installed as specified in equipment manuals.

## Tests carried out

- Environmental testing: DNV Standard for Certification 2.4 ( 2006).
- Environmental testing: IEC 60945 (2002)

Job Id: **262.1-004911-5**  
Certificate No: **TAA00001JF**

## Type Approval documentation

| DNV GL No | Document ID | Rev.         | Description                                                                                             |
|-----------|-------------|--------------|---------------------------------------------------------------------------------------------------------|
| 12        | 96-1196     | 1996-10-16   | Report: DNV, EMC testing and type testing according to DNV 2.4 of Vingtor VSP and VSS system            |
| 11        | A100K10873  | v6.0         | MANUAL: Zenitel, VSP-12 WAY Technical Manual                                                            |
| 10        | A100K10758  | v6.0         | Manual: Zenitel, VSP-M 20 WAY Technical Manual                                                          |
| 9         | A100K10756  | v6.0         | Manual: Zenitel, VSP-M 20 WAY User Guide                                                                |
| 8         | A100K10675  | v6.0         | Manual: Zenitel, VSP 12 WAY User Manual                                                                 |
| 7         |             | 2008-05-08   | Complete Documentation                                                                                  |
| 5         | 2008-3232   | 01           | Report: DNV, Compass Safe Distance test of VSP Batteryless Telephone Apparatus                          |
| 2         | S97 0662b   | October 1997 | Report: JYSKE EMC LAB A/S, EMC-test of Batteryless Telephones VSP-211M-L (ver.03) & VSP-212-L (ver. 03) |
| 1         | S97 0662a   | October 1997 | Report: JYSKE EMC LAB A/S, EMC-test of Batteryless Telephones VSP-211-L (ver.03) & VSP-223-L (ver. 03)  |

## Marking of product

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

## Periodical assessment

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

The scope of the periodical/renewal assessment is to verify that the production quality conditions stipulated for the type approval are complied with and that no alterations are made to the product design or its components and/or materials without appraisal by the Society.