

# TYPE APPROVAL CERTIFICATE

Certificate No:  
**TAA00001JN**  
 Revision No:  
**2**

**This is to certify:**

**That the Miscellaneous**

with type designation(s)  
**Electronic Sounders, Push Button Call Point, Break Glass Call Point, Beacons, Junction Box, Assemblies for Beacons and Sounders**

Issued to  
**European Safety Systems Ltd.**  
**London, LO, United Kingdom**

is found to comply with  
**IEC 60945 Ed. 4 (2002-08) Maritime navigation and radiocommunication equipment and systems – General requirements – Methods of testing and required test results**  
**DNV rules for classification – Ships, offshore units, and high speed and light craft**

**Application :**

**Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.**  
**For detailed product overview see page 2.**

Type	Temperature	Humidity	Vibration	EMC	Enclosure
<b>Electronic Sounders</b>	<b>D</b>	<b>B</b>	<b>A</b>	<b>B</b>	<b>C</b>
<b>Push Button Call Point</b>	<b>D</b>	<b>B</b>	<b>A</b>	<b>B</b>	<b>C</b>
<b>Break Glass Call Point</b>	<b>D</b>	<b>B</b>	<b>A</b>	<b>B</b>	<b>C</b>
<b>Beacons</b>	<b>D</b>	<b>B</b>	<b>A</b>	<b>A</b>	<b>C</b>
<b>Junction Box</b>	<b>D</b>	<b>B</b>	<b>A</b>	<b>B</b>	<b>C</b>
<b>Assemblies for Beacons and Sounders</b>	<b>D</b>	<b>B</b>	<b>A</b>	<b>B</b>	<b>C</b>

Issued at **Høvik** on **2023-07-20**

This Certificate is valid until **2028-07-19**.

for **DNV**

DNV local unit: **Southampton**

Approval Engineer: **Tommi Juhani Rifaat**

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**Frederik Tore Elter**  
**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.

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

Product Name	Type Designation	IEC60945 Location
Electronic Sounder Radial Flare	STExS1RDC024	Exposed
Electronic Sounder Small Flare	STExS1FDC024	Exposed
Electronic Sounder Medium Flare	STExS2FDC024	Exposed
Electronic Sounder Large Flare	STExS2HDC024	Exposed
Push Button Call Point	STExCP8 (variants PB, PM and PT)	Exposed
Break Glass Call Point	STExCP8 (variants BG)	Exposed
LED Beacon	STExB2LD2DC024	Exposed
15 Joule Beacon	STExB2X15DC024	Exposed
10 Joule Beacon	STExB2X10DC024	Exposed
5 Joule Beacon	STExB2X05DC024	Exposed
Junction Box	STExJ2	Exposed
Plated Assembly for Beacons	STExP2	Exposed
Plated Assembly Combo Beacons and Sounders	STExC2	Exposed

## Application/Limitation

- Installation to be in accordance with approved documentation.
- Scope of approval is limited to applicable parts of IEC 60945 and DNV-CG-0339, for ATEX/EX see separate approvals.
- For installations related to fire detection additional requirements may be applicable.

## Tests carried out

- DNV-CG-0339 (2021)
- IEC60945 (2002)

## 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.