



TYPE APPROVAL CERTIFICATE

형식 승인증서

Certificate No. : LDN16492-AC001 **Initial Approval** : 29th April, 2003.

Product : Ship Security Alert System

Manufacturer : Pole Star Space Applications Ltd.
Compass House 4th Floor 22 Redan Place London W2 4SA, U.K.

Product Description : Type : Pole Star Ship Security Alert system (DSAS)
- Power Supply : 12 ~ 30 V DC
- Address of the manufacturing place : Exegon Ltd
1-3 Poulson's Yard, Stratton's Walk, Melksham, Wiltshire, SN12 6JL
" See Appendix 1 "

Approval Condition : " See Appendix 1 "

THIS IS TO CERTIFY that the above-mentioned product has been approved in accordance with the relevant requirement of this Society's Rules and / or of the recognized standards as follows and entered in the "List of Approved Manufacturers and Type Approved Equipment".

IMO Res. MSC 147(77) and IEC 60945 of International Standard.

This Certificate is valid until 28th April, 2013.
Reissued at Daejeon, Korea on 5th November, 2009.



국 선 급
KOREAN REGISTER OF SHIPPING


(Lee Woon-ho)

General Manager of
Materials and Equipment Team

*Note : 1 : The approval will be automatically suspended and the Certificate become invalid from the expiry date of the Certificate in the event that the extension has not been granted or the renewal of the Certificate is not underway.
2 : The manufacturer should notify this Society of any modification or changes that may affect the validity of this Certificate.*

Appendix 1

Product Description and/or Approval Condition

Certificate No : LDN16492-AC001

Date of Issue : 5th November, 2009.

1. Type : Pole Star Ship Security Alert system (DSAS)

1) Product Description

(1) Kind of Equipments :

- DMR-800D SkyWave Mobile Communications Inmarsat-D+ (IsatM2M Mode) Transceiver
- Sealed Lead Acid(SLA) Battery
- Multistage Charger Unit

(2) Document stamped with KR endorsement : CD131202PL1 (DSAS_1b)

2) Approval Condition :

(1) This approval is granted on the basis of the environmental test report

- file no. TL703/703A issued by Mariner Systems UK Ltd.
- Report# : 112095R1TRFEMC, 41239-08.NEM issued by Nemko Canada
- Letter of compliance (112095) issued by Nemko
- Certificate (Number:DCC010) issued by inmarsat

(2) The performance of product should be confirmed by the attending surveyor after installation on board ship.

(3) This type approval is not to be construed as a substitute for Korean Government's approval.

(4) The product or packing is to be marked with manufacturer name and type designation on a suitable position.

(5) Individual Product Certification is not required.

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