



## TYPE APPROVAL CERTIFICATE

### 형식승인증서

**Certificate No.** : LDN18002-AC001 **Initial Approval** : 10th November, 2004.  
**Product** : SSAS & LRIT  
**Manufacturer** : Satamatics Ltd  
Gloucester Road, Tewkesbury, Gloucestershire GL20 5TT, United Kingdom  
**Product Description** : 1) Type : SAT-201i Transceiver ( SSAS & LRIT )  
2) Power Supply : DC 9.6 ~ 30 V  
" See Appendix 1 "

**Approval Condition** : " See Appendix 1 "

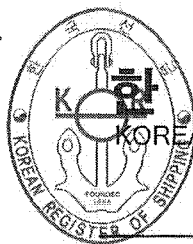
**THIS IS TO CERTIFY** that the above-mentioned product has been approved in accordance with the relevant requirement of this Society's Rules and / or of the recognized standards as follows and entered in the "List of Approved Manufacturers and Type Approved Equipment".

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

IMO Res. MSC 283(84) in accordance with SOLAS Reg.V/19-1 - LRIT

This Certificate is valid until 9th November, 2009.

Reissued at Daejeon, Korea on 26th February, 2009.



국 선 급  
KOREAN REGISTER OF SHIPPING

*Lee Woon-ho*

( *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 is not under attendance for completion of the renewal survey.  
**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 : LDN18002-AC001

Date of Approval : 10th November, 2004.

### Product Descriptions :

1. Type : Ocean Alert MKIII - SSAS & LRIT  
SSAS and LRIT System based on Inmarsat IsatM2M equipment, SAT-201,  
With an integral GPS receiver consisting of :
  - SAT-201i Transceiver
  - Interface Connectors (RS. 232 port, Primary & Secondary Alert Switch Connectors, Antenna Connector, Power Connector)
  - 3-way (off/test/on) activation key switch
  - Backup Battery Pack (sealed unit containing 10 AA cell NiMH batteries)
2. Type : SAT-201i - LRIT  
LRIT System based on Inmarsat IsatM2M equipment, SAT-201,  
With an integral GPS receiver consisting of :
  - SAT-201i Transceiver
  - Transceiver Cable
  - Mast Mount Kit
3. Degree of Protection : IP 66
4. Software
  - MSP Firmware-04.03
  - DSP Firmware-04.03
5. Documents
  - Test reports : SU 2422/4418, SU 2499/5168, SU 2536/4907, SU 2548/4906,  
SU 2548/5240, 03/228/NP, EL 3064/7790, EL 3158/7901,  
EL 3117/7886, EL4491/11728, SU 3206/6951, EL4491/11722
  - Drawings & Manuals : A008Y01, A008Y02, L008A01, A008A01, ADHASYIDA0001
6. Approval Conditions :
  - 1) The functionality has to be verified in connection to the ASP/Data Center.
  - 2) The performance of product should be confirmed by the attending surveyor after installation on board ship.
  - 3) Individual Product Certification is not required.
  - 4) This equipment should be provided with sources of energy (electrical power) as specified in SOLAS Reg. IV/13.

<The End>