

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the LR Type Approval System.

This certificate is issued to:

PRODUCER	EuroCom Industries A/S
PLACE OF PRODUCTION	Porsvej 2 DK-9200, Alborg SV Denmark
DESCRIPTION	Ship Security Alert System
TYPE	ECI H4122 Sailor H4122 Skanti H4122
APPLICATION	Marine and land based applications in environmental categories ENV1, ENV2 ⁽¹⁾ , ENV3 ⁽¹⁾ and ENV5 ⁽¹⁾ as described in Lloyd's Register Test Specification No.1: 2002. ⁽¹⁾ <i>Complies with the environmental requirements listed in IEC 60945: 2002</i>
SPECIFIED STANDARD	IEC 60945: 2002 EN 60950: 2000 Complies with: - IMO Resolution MSC. 136(76). - IPS Code – SOLAS Chapter XI-2 Regulation 6 Ships Security Alert System. - IMO Resolution MSC.147(77) Revised Performance Standards for a Ship Security Alert System.
OTHER CONDITIONS	The Lloyd's Register Rules must be complied with when installed on Lloyd's Register Classed Ships.

Certificate No.	04/00055
Issue Date	06 July 2004
Expiry Date	05 July 2009
Sheet	1 of 2



M.H.A. Rufaie
London Plan Approval
Lloyd's Register EMEA/London Office

"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid certificate."

The Design Appraisal Document No. 04/00055 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Certificate No.	04/00055
Issue Date	06 July 2004
Expiry Date	05 July 2009
Sheet	2 of 2



M.H.A. Rufaie
London Plan Approval
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Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS

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Document number 04/00055
Issue number 1

DESIGN APPRAISAL DOCUMENT

Date 06 July 2004	Quote this reference on all future communications DAPP/ECE/TA/W00514906/MHR/O- 48590
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LLOYD'S REGISTER TYPE APPROVAL SYSTEM, 2002.

Issued to: EUROCOM INDUSTRIES A/S
for: SHIP SECURITY ALARM SYSTEM
Type: ECI H4122, SAILOR H4122, SKANTI H4122
TYPE APPROVAL CERTIFICATE No. 04/00055

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register Type Approval System, 2002 and this Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

Request form	22.04.2004
Lloyd's Register Southampton memo	06.05.2004
Marine Electronics Marketing (J.D. Walsh) email	15.05.2004
Marine Electronics Marketing (J.D. Walsh) email	24.05.2004
Marine Electronics Marketing (J.D. Walsh) email	26.05.2004
Marine Electronics Marketing (J.D. Walsh) email	14.06.2004
EuroCom Industries (ECI) Index list	Undated
Iridium email	05.12.2003
Iridium Maritime Added services	09.09.2003
MCA Instructions (Ship Security Alert System)	
VELUX letter	03.08.1999

Data Sheets

Sailor H4122 (Operating/Installation Manual)	Undated
Sailor SC4150 (installation manual single-channel unit)	Undated
Sailor SC4150 (Operating manual)	Undated
ECI technical Manual (AC/DC Power Supply)	Undated
Sailor Iridium Transceiver Units	Undated

Drawings

Refer to ECI Mechanical Design Guide (MDG EC 01)	21.05.2002
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TEST REPORTS

Iridium Declaration (salt mist)	25.05.2004
EuroCom Industries Declaration of Conformity (Iridium Single Channel IMF 1000)	13.06.2003
Telefication Safety test report – 99365750	
DANAK No. 197363 / DELTA – E501771-1	27.02.2004
ECI Declaration (salt mist)	29.03.2004
ECI performance test index of H4122 Iridium SSAS system	Undated
Telefication EMC test report No. 99365720	10/11.2002
Telefication report No. 99365730	10/11.2002
Telefication report (Corrigendum) No. 99365730	23.01.2003
Telefication Statement of Opinion No. 0321	06.03.2003

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TEST REPORTS (cont.)

ECI Conformity Declaration (Immunity to power supply failure)	29.03.2004
KTL certificate of Conformity No. 98526120 (associated with report No. 98526120)	19.11.1999
DELTA – E501311	15.08.2003
TELEDANMARK No. UPRF 990139-01	16.09.1999
TELEDANMARK No. UPRF 99211-01	25.06.1999
LR Quality Assurance Certificate No. 957884	15.12.2003
Lloyd's Register EMEA (Copenhagen) witnessed functionality report (No. 0311385)	02.06.2004

Supplementary Type Approval Terms and Conditions

Type Approval certifies that a representative sample of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor approval of any product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.

Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.

Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.

Lloyd's Register EMEA reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the Lloyd's Register Type Approval System Procedure.

M.H.A. RUFAlE
Senior Electrical Engineer
Electrical and Control Engineering/Type Approval
London Plan Approval/ Lloyd's Register EMEA (London)
Tel. +44 (0) 20 7423 1849 Direct line