



QUALITY SYSTEM CERTIFICATE

Date of issue: 1997-03-05

Certificate no.: 016

Valid to: 2000-03-05

JOTRON Electronics
Tjodalving - Norway
HOLDER OF CERTIFICATE

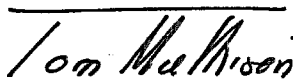
WE HEREBY CONFIRM THAT THE HOLDER OF THIS
CERTIFICATE HAS DEMONSTRATED A QUALITY SYSTEM
WHICH MEETS THE REQUIREMENTS OF THE

NS-EN ISO 9001:1994

CERTIFIED FIELD OF ACTIVITIES:

*Professional Electronic and Mechanical Systems
for Safety at Land, Sea and Air*

Development - Production - Sales


SENIOR EXECUTIVE
GRØNER CERTIFICATION AS

This certificate is issued by a certifying body accredited by the National Accreditation Norway.
The accreditation states that the certifying body meets the requirements concerning competence
and procedures for certification of companies' quality systems.
This certificate may not be reproduced other than full.

Certificate of Type Approval

Telecommunications Act 1984 (c.12) - Section 84

Radiocommunications Agency

Page 1 of 2

APPROVAL No. : 12900

ISSUE No. : 1

ORIGINAL CERTIFICATE DATE : 11 August 97

SUBMITTED BY :
JOTRON ELECTRONICS A.S
P.O BOX 85
3280 TJODALYNG
NORWAY

MANUFACTURED BY :
JOTRON ELECTRONICS A.S
P.O BOX 85
3280 TJODALYNG
NORWAY

EQUIPMENT TYPE : APPROVED EQUIPMENT
EQUIPMENT CATEGORY : MARINE EPIRB
TRADE NAME : JOTRON
TYPE No. : TRON 40S

TEMPERATURE RANGE : -20°C to +55°C

SPECIFICATION (S)
MPT 1259

EMISSION CODE (S)

CHANNEL SEPARATION (S)

3K20A3E1
1K76G1D8

TOTAL UNITS : 2
UNIT No. 1 TYPE

TRANSMITTER PORTABLE

POWER CHARACTERISTICS

R.F. POWER : 15W

RADIATED FIXED

FREQUENCY CHARACTERISTICS

TRANSMITTER : 406.025MHz

UNIT No. 2 TYPE

TRANSMITTER PORTABLE

POWER CHARACTERISTICS

R.F. POWER : 75mW

RADIATED FIXED

FREQUENCY CHARACTERISTICS

TRANSMITTER : 121.5MHz

COMMENTS : RA FILE REFERENCE NUMBER: QR 5865
TEST REPORT NUMBER: DERA/SSWI/R/TT-34/96/1.1

THIS CERTIFICATE CONFIRMS THAT THE EQUIPMENT MEETS THE QUOTED
STANDARD. IT DOES NOT COVER LICENSING, SAFETY OR FITNESS OF

Certificate of Type Approval

Telecommunications Act 1984 (c.12) - Section 34

Radiocommunications Agency

Page 2 of 2

APPROVAL No. : 12900

ISSUE No. : 1

ORIGINAL CERTIFICATE DATE : 11 August 97

COMMENTS : PURPOSE. THE EQUIPMENT MAY BE SUBJECT TO NATIONAL LICENSING,
(OR LICENCE EXEMPTION) CONDITIONS OR STATUTORY INSTRUMENTS.

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THE EQUIPMENT TESTED CONSISTED OF THE TRON 40S IN A BRACKET FBH4,
A MANUAL AND HEATED HYDROSTATIC RELEASE STOWAGE BRACKET.
MTI REGISTRATION NUMBER - 48

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THE APPLICANT HAS DECLARED THAT THE TRON 40S IN A BRACKET FB4,
A MANUAL AND HYDROSTATIC RELEASE BRACKET, IS AN UNTESTED VARIANT
OF THE EQUIPMENT AND IS COVERED BY THE TEST REPORT QUOTED ABOVE.
MTI REGISTRATION NUMBER - 47

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THE APPLICANT HAS FURTHER DECLARED THAT THE TRON 40S IN AN MB4
BRACKET, A MANUAL RELEASE BRACKET, IS ALSO AN UNTESTED VARIANT
COVERED BY THE ABOVE TEST REPORT.
MTI REGISTRATION NUMBER - 46

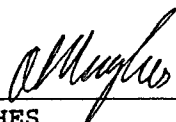
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THIS EQUIPMENT MAY FORM PART OF A SHIPBORNE FLOAT-FREE SATELLITE
EMERGENCY POSITION-INDICATING RADIO BEACON OPERATING ON 406 MHZ.
COMPLYING WITH IMO ASSEMBLY RESOLUTION A.810(19).

TOTAL NUMBER OF VARIANTS : 0

THE SECRETARY OF STATE FOR TRADE AND INDUSTRY APPROVES FOR THE TIME BEING UNDER
SECTION 84 OF THE TELECOMMUNICATIONS ACT 1984 THE EQUIPMENT DESCRIBED ABOVE PROVIDED
IT COMPLIES WITH THE ABOVE SPECIFICATIONS AT ALL TIMES FOR THE PURPOSES OF :
LICENCES GRANTED UNDER SECTION 1 OF THE WIRELESS TELEGRAPHY ACT 1949 AND/OR ANY
EXEMPTION REGULATIONS MADE UNDER THAT SECTION.

SIGNED ON BEHALF OF THE SECRETARY OF STATE :



ALAN HUGHES
11 August 97

ADDRESS FOR QUERY : Radiocommunications Agency, Type Approval Section, South Quay 3
189 Marsh Wall, London, E14 9SX

END OF CERTIFICATE



C E R T I F I C A T E

We hereby certify that

**Jotron electronics as
TJODALYNG - NORWAY**

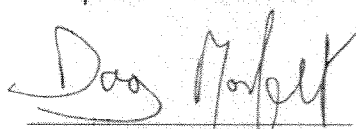
complies with the Quality Management System requirements specified in

NS-EN ISO 9001:1994

and Nemko Certification's general provisions for certification

The certificate covers the following activities:

**Professional Electronic and Mechanical Systems
for Safety at Land, Sea and Air
Development - Production - Sales**



Dag Morfelt
Vice President
Management System Certification



Expires: 2003-05-05
First time issued: 1993-02-02
Certificate no: 16

