COSPAS-SARSAT
TYPE APPROVAL CERTIFICATE

For a 406 Megahertz Distress Beacon
for use with the Cospas-Sarsat Satellite System

WHEREAS, ***Jotron Electronics a.s.***, of ***Tjodalyng, Norway,*** the manufacturer of a 406 Megahertz Distress Beacon packaged as an ***EPIRB***, and identified as Model: ***TRON 40 GPS*** has submitted test data and had said beacon tested in ***October 2000*** at a facility accepted by Cospas-Sarsat at ***Intespace, Toulouse, France,*** to demonstrate that said beacon meets the applicable technical requirements for use with the Cospas-Sarsat Satellite System, as defined in documents C/S T.001", Issue 3 - Rev. 3, October 1999, and C/S T.007 "Cospas-Sarsat 406 MHz Distress Beacon Type Approval Standard", Issue 3 - Rev. 6 October 1999,*
for frequency channel ***406.025*** MHz;

WHEREAS, the Cospas-Sarsat Council has determined, following a review of the test results, that the said beacon meets the Cospas-Sarsat Class *2* requirements and is rated for operating over the temperature range of ***-20 °C to +55 °C,*****
with battery:

Saft
Lithium Thionyl Chloride ($LiSOCL_2$, 4 D-cells LSH20) and

WHEREAS, said manufacturer has certified that all other units of the same type will meet said technical requirements in a similar manner to the unit subjected to test, which incorporated the following features:

- ***121.5 MHz Auxiliary radio locating device (20 dBm ± 3dB, continuous)***
- ***Internal navigation device (GPS):*** *manufacturer:* ***Connexant***
  model: ***Jupiter LP***
- ***Automatic activation***
- ***Strobe light (0.85 cd, 21 flashes/min)***
- ***Self-test mode (one burst: 520 ms, format flag bit = "1", long message;***
  440 ms, format flag bit = "0", short message)

* *beacon is approved for use with standard location protocol, short standard location protocol and user-location protocol*
** *specified operating lifetime 48 hours*

NOW, THEREFORE, in reliance upon the following, the Cospas-Sarsat Council does hereby certify that the 406 MHz Distress Beacon Model identified herein is compatible with the Cospas-Sarsat System as of the date of this Certificate.

Certificate No: ***122***

Date: ***8 November 2000***

Signed by:

D. Levesque
Head of Cospas-Sarsat Secretariat

NOTE, HOWEVER:

1. This certificate does not authorize the operation or sale of any 406 MHz distress beacon. Such authorization may require type acceptance by national administrations in countries where the beacon will be distributed, and may also be subject to national licensing requirements.

2. This certificate is intended only as a formal notification to the above identified manufacturer that the Cospas-Sarsat Council has determined, on the basis of test data of a beacon submitted by the manufacturer, that 406 MHz distress beacons of the type identified herein meet the standards for use with the Cospas-Sarsat System. This certificate is not a warranty and Cospas-Sarsat hereby expressly disclaims any and all liability arising out of or in connection with the issuance, use, or misuse of this certificate.

3. This certificate is subject to revocation by the Cospas-Sarsat Council should the beacon type for which it is issued cease to meet the Cospas-Sarsat specification. A new certificate may be issued after satisfactory corrective action has been taken and correct performance demonstrated in accordance with to the Cospas-Sarsat Type Approval Standard.