

Monday, March 10, 2003

To Whom It May Concern:

Statement on GPS reliability

This statement applies to the Thrane & Thrane manufactured Inmarsat-C transceivers.

Each model has its own section.

Inmarsat approved SOLAS Maritime transceiver TT-3020C

The Inmarsat-C TT-3020C transceiver is a SOLAS Transceiver approved for GMDSS. This model is in some configurations required to support external GPS input either through the NMEA 0183 port or by manually entering the position using Capsat Message Handling Software. If no internal GPS is fitted or the internal GPS has been disabled then the external GPS position is used in the Maritime Distress Alerting and in all transmitted position reports.

Inmarsat approved SOLAS Fishery Transceiver TT-3020C

The Inmarsat-C TT-3020C transceiver can be changes into a SOLAS Fishery Inmarsat-C Transceiver by enabling VMS functionality. This is done using the below described steps:

Using the terminal interface send the command "se -z BGPS=ON" to the transceiver followed by the "se -b" command.

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Product R&D Manager, Inmarsat-C



Side 1 af 3


```
: se -z BGPS=ON

: se -b

Init system parameters menu
0 Quit
1 All
2 Basic system parameters
3 EGC Network ID's
4 Data Network ID's
5 LES Network Table
6 Link Test Results
7 Change MES into SOLAS Fishery transceiver
8 Prepare for SW downgrade
9 -

Enter number >
```

Select menu entry 7 “Change MES into SOLAS Fishery transceiver” and answer YES to the questions asked by the transceiver. Verify this using the “st -v” command, which must show the below output:

```
: st -v

SOLAS Fishery Inmarsat-C Transceiver
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The TT-3020C SOLAS Fishery Inmarsat-C Transceiver does not support nor accept external GPS input. The GPS module used in TT-3020C periodically performs critical self-test functions and the result is used by TT-3020C to indicate GPS failure. In case the GPS fails then all interval reporting stops and the operator is informed by an indication on the attached Message Terminal. It is never possible to send wrong GPS positions through this model.

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Product R&D Manager, Inmarsat-C



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Inmarsat approved Non-SOLAS Fishery Transceiver TT-3022D

The TT-3022D Non-SOLAS Fishery Inmarsat-C Transceiver does not support nor accept external GPS input. The GPS module used in TT-3022D periodically performs critical self-test functions and the result is used by TT-3022D to indicate GPS failure. In case the GPS fails then the operator is informed by an indication on the attached Message Terminal and all interval reporting either stops or the last know valid position is reported back to the vessel surveillance center. It is never possible to send wrong GPS positions through this model.

Inmarsat approved Non-SOLAS Maritime easyTrack TT-3026M

The TT-3026M Non-SOLAS Maritime easyTrack Transceiver does not support nor accept external GPS input. The GPS module used in TT-3026M periodically performs critical self-test functions and the result is used by TT-3026M to indicate GPS failure. In case the GPS fails then the last know valid position is reported back to the vessel surveillance center at every reporting interval. It is never possible to send wrong GPS positions through this model.

Inmarsat approved Non-SOLAS Maritime easyTrack with SafetyNet TT-3026S

The TT-3026S Non-SOLAS Maritime with SafetyNet easyTrack Transceiver does not support nor accept external GPS input. The GPS module used in TT-3026S periodically performs critical self-test functions and the result is used by TT-3026S to indicate GPS failure. In case the GPS fails then the operator is informed by an indication on the attached Message Terminal and the last know valid position is reported back to the vessel surveillance center at every reporting interval. It is never possible to send wrong GPS positions through this model.

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