



Federal Communication Commission
Washington, D.C.20554

Granted by:
Thomas Derenge
Thomas Derenge, Deputy Chief, MD W
9/13/21

Larvik: 24th August 2021

Waiver-Expedited Action Requested for Tron 40AIS

Jotron AS, as the manufacture of the Tron 40AIS (FCC ID: VRV40AIS), hereby with this letter, request "Waiver-Expedited Action Requested" set out in 47 CFR § 1.925 (b.4). We request a waiver for 47 CFR part 80, to meet the requirements in RTCM 11000.5 Standard for 406 MHz Satellite Emergency Position Indicating Radio Beacons (EPIRB).

Our Tron 40AIS is currently being tested for Cospas Sarsat, FCC, ISED and MED requirements at TUV SUD Project in the UK.

The currently FCC rules states that we need to comply with the Standard RTCM 11000.3 for 406 MHZ SATELLITE EMERGENCY POSITION RADIOBEACONS (EPIRB) This standard specifies the minimum performance requirements, technical characteristics and type-testing requirements of 406 MHz Emergency Position Indicating Radio Beacons (EPIRBs) used in the COSPAS-SARSAT satellite system.

IMO (International Maritime Organization) has adopted a new performance standard for EPIRBs (Resolution MSC.471(101), adopted on 14th June 2019). This Resolution is mandatory from 1st July 2022 (A float-free EPIRB which form part of the GMDSS must conform to the new performance standard, if installed on or after this date). Based on this IMO Resolution, IEC has developed a new edition 4 of the operational and performance standard IEC 61097-2, which the new EPIRBs from Jotron AS need to comply to. However the RTCM 11000.3 standard is contradictory and incompatible with the new IEC 61097-2 Ed.4. RTCM has therefore prepared a new standard (RTCM 11000.5) which is harmonized with the IEC 61097-2 Ed.4.



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Thomas Deringe

Thomas Deringe, Deputy Chief, MD, WTB, FCC

9/13/21

Larvik: 24th August 2021

Waiver-Expedited Action Requested for Tron 60AIS

Jotron AS, as the manufacture of the Tron 60AIS (FCC ID: VRV60AIS), hereby with this letter, request "Waiver-Expedited Action Requested" set out in 47 CFR § 1.925 (b.4). We request a waiver for 47 CFR part 80, to meet the requirements in RTCM 11000.5 Standard for 406 MHz Satellite Emergency Position Indicating Radio Beacons (EPIRB).

Our Tron 60AIS is currently being tested for Cospas Sarsat, FCC, ISED and MED requirements at TUV SUD Project in the UK.

The currently FCC rules states that we need to comply with the Standard RTCM 11000.3 for 406 MHZ SATELLITE EMERGENCY POSITION RADIOBEACONS (EPIRB) This standard specifies the minimum performance requirements, technical characteristics and type-testing requirements of 406 MHz Emergency Position Indicating Radio Beacons (EPIRBs) used in the COSPAS-SARSAT satellite system.

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Larvik: 24th August 2021

Waiver-Expedited Action Requested for Tron 40VDR AIS

Jotron AS, as the manufacturer of the Tron 40VDR AIS (FCC ID: VRV40VDRAIS), hereby with this letter, request "Waiver-Expedited Action Requested" set out in 47 CFR § 1.925 (b.4). We request a waiver for 47 CFR part 80, to meet the requirements in RTCM 11000.5 Standard for 406 MHz Satellite Emergency Position Indicating Radio Beacons (EPIRB).

Our Tron 40VDR AIS is currently being tested for Cospas Sarsat, FCC, ISED and MED requirements at TUV SUD Project in the UK.

The currently FCC rules states that we need to comply with the Standard RTCM 11000.3 for 406 MHz SATELLITE EMERGENCY POSITION RADIOBEACONS (EPIRB) This standard specifies the minimum performance requirements, technical characteristics and type-testing requirements of 406 MHz Emergency Position Indicating Radio Beacons (EPIRBs) used in the COSPAS-SARSAT satellite system.

IMO (International Maritime Organization) has adopted a new performance standard for EPIRBs (Resolution MSC.471(101), adopted on 14th June 2019). This Resolution is mandatory from 1st July 2022 (A float-free EPIRB which form part of the GMDSS must conform to the new performance standard, if installed on or after this date). Based on this IMO Resolution, IEC has developed a new edition 4 of the operational and performance standard IEC 61097-2, which the new EPIRBs from Jotron AS need to comply to. However the RTCM 11000.3 standard is contradictory and incompatible with the new IEC 61097-2 Ed.4. RTCM has therefore prepared a new standard (RTCM 11000.5) which is harmonized with the IEC 61097-2 Ed.4.