



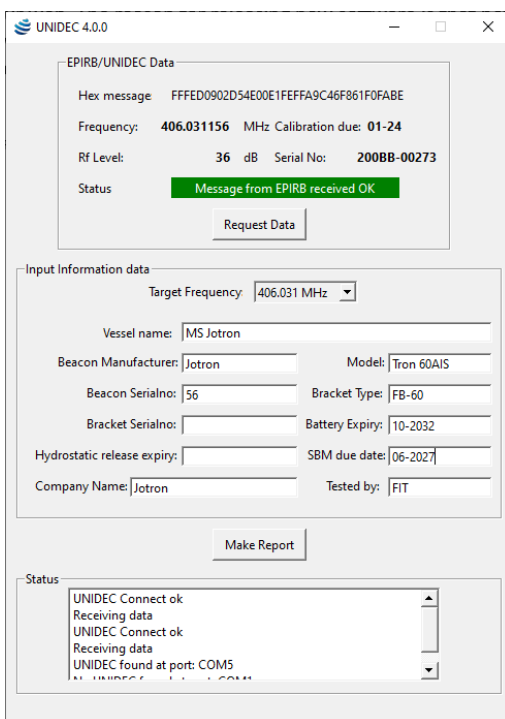
# TECHNICAL BULLETIN TB07-2022 Software Update 2022


16<sup>th</sup> June 2022

New PC software for Tron Unidec is now available for download from our website. The new software is capable of decoding messages from new generation EPIRBs delivered according to new performance standard MSC 471(101), and using two new RLS protocols and new transmitter frequency.

RLS stands for “Return Link System” and may be used in coding of new AIS-EPIRBs Tron 60AIS, Tron 40AIS and Tron 40VDR AIS and was not previously covered in software version 3.3.9 (or earlier)

In the new version 4.0.0 the RLS protocols are implemented together with new frequency: 406.031 MHz. Also direct generation of PDF is now implemented. Screenshots below show new test page and Report.



| Tron UNIDEC EPIRB Tester   |  |
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| <br>Test report   |  |
| <b>Beacon Information</b><br>Vessel Name: MS Jotron<br>Beacon Manufacturer: Jotron<br>Model: Tron 60AIS<br>Beacon serial number: 56<br>Bracket type: FB-60<br>Bracket serial number:<br>Battery expiry: 10-2032<br>Hydrostatic release expiry date:<br>SBM due date: 06-2027   |  |
| <b>Measurements</b><br>Frequency: (MHz) (406.031 +/-0.0050) 406.031156<br>RF level (dB): 36<br>Status: Message from EPIRB received OK  |  |
| <b>Message decoding</b><br>Hex message: FFFED0902D54E00E1FEFFA9C46F861F0FABE<br>Message format: long format<br>Protocol: Location<br>Country code: 258<br>Location Type: RLS location (EPIRB)<br>Serial ID : 56<br>Cospas/Sarsat appr : 1334<br>Position: Lat: Default Lon: Default<br>Position Data source: Internal<br>Aux device: 121.5 MHz homer<br>RLM type 1: Available<br>RLM type 2: Not available<br>RLS provider: Galileo<br>15 HexID: 205AA9C01C3FDFF |  |
| <b>Reference</b><br>IMO MSC.1/Circ. 1040/Rev.2 and SOLAS IV/15.9.1 (Annual test)<br>IMO MSC./Circ. 1039 (All revisions) and SOLAS IV/15.9.2 (Shore-based maintenance)<br>Company: Jotron                      Tested by: FIT   |  |
| <b>Tron UNIDEC info</b><br>Serial no: 200BB-00273<br>Calibration due: 01-24<br>PC software version: 4.0.0  |  |
| Thu Jun 16 2022 14:56:45   |  |