

TECHNICAL BULLETIN TB07-2022 Software Update 2022 16th 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.

😴 UNIDEC 4.0.0 — 🗆 🗙	<u>ن</u>
EPIRB/UNIDEC Data	Tron UNIDEC EPIRB Tester
Hex message FFFED0902D54E00E1FEFFA9C46F861F0FABE	
Frequency: 406.031156 MHz Calibration due: 01-24	Test report
Rf Level: 36 dB Serial No: 200BB-00273	
Status Message from EPIRB received OK	Beacon Information
Request Data	Vessel Name: MS Jotron Beacon Manufacturer: Jotron
Input Information data	Model: Tron 60AIS Beacon serial number: 56
Target Frequency: 406.031 MHz 💌	Bracket type: FB-60 Bracket serial number:
Vessel name: MS Jotron	Battery expiry: 10-2032 Hydrostatic release expiry date:
Beacon Manufacturer: Jotron Model: Tron 60AIS	SBM due date: 06-2027
Beacon Serialno: 56 Bracket Type: FB-60	Measurements
Bracket Serialno: Battery Expiry: 10-2032	Frequency: (MHz) (406.031 +/-0.0050) 406.031156 RF level (dB): 36
Hydrostatic release expiry: SBM due date: 06-2027	Status: Message from EPIRB received OK
Company Name: Jotron Tested by: FIT	Message decoding
Status Status UNIDEC Connect ok Receiving data UNIDEC Connect ok Receiving data UNIDEC found at port: COM5 UNIDEC found at port: COM5 UNIDEC found at port: COM5	Hex message: FFFED0902D54E00E1FEFFA9C46F861F0FABE Message format: long format Protocol: Location Country code: 258 Location Type: RLS location (EPIRB) Serial ID : 56 Cospas/Sarsat appr : 1334 Position: Lat: Default Lon: Default Position Data source: Internal Aux device: 121.5 MHz homer RLM type 1: Available RLM type 2: Not available
	RLS provider: Galileo RLS provider: Galileo 15 HexID: 205AA9C01C3FDFF
	Reference
	IMO MSC.1/Circ. 1040/Rev.2 and SOLAS IV/15.9.1 (Annual test) IMO MSC /Circ. 1039 (All revisions) and SOLAS IV/15.9.2 (Shore-based maintainance)
	Company:Jotron Tested by: FIT
	Tron UNIDEC info
	Serial no:200BB-00273Calibration due:01-24PC software version:4.0.0
	Thu Jun 16 2022 14:56:45
Jotron AS	