# TAC Report Nr. 3390-1.0

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| **TAC Number** | 3390 | **TAC Date** | 01-DEC-2023 | **TAC Rev. date** | 01-DEC-2023 |
| **Beacon Model Name** | Tron SA20 | | | | |
| **Additional Names** | --- | | | | |
| **Manufacturer** | Jotron AS ( former - Jotron Electronics A.S.) | | | | |
| **Tx Frequencies** | 406.031 MHz | | | | |
| **In Production** | in production | | | **Class** | 2 |
| **Type** | PLB | | | **Tested Life** (hours) | 24 |
| **Battery** | Lithium/Iron Disulfide, (Li/FeS2) Energizer, type L91, 4x AA size cells. | | | | |
| | Battery Legend: Battery cell manufacturer, Cell chemistry, Cell model, No. of cells, Cell size. | | | | |
| **Protocols tested** | RLS - RLS Location | | | | |
| **Self Test** | yes | **Self Test RF** | yes | **Self Test RF** (Short/Long) | long |
| **Self Test Format Flag** | long | | | **Self Test Consistent with 15 Hex ID** | yes |
| **Homer Freq** | 121.5 MHz | | | **Homer Duty Cycle** | 96% |
| **Homer Power** | 17 dBm | | | | |
| **Strobe Light** | yes | **Strobe Brightness** | > 0.75 cd | **Strobe Duty Cycle** | 21 flashes/minute |
| **Nav Device** | Int | **Nav Device Model** | Internal GPS receivers: models "uBlox MAX-M10S", (GPS, Galileo, GLONASS). | | |
| **Encoded Position Data Update Interval** | | | Range (minutes) 4:45 to 6:00 | | |
| **Separable Antenna** | no | **Antenna Model** | Integral antenna | | |
| **Additional functions** | GNSS self-test; Near Field Communication capability for beacon data and self-test results. | | | | |
| **General comments** | Type approved with the following variants of RLS Location protocols: PLB and PLB with MMSI. Tested in PLB configurations only, i.e., Corresponding to beacon used while on or above ground. Not tested for attachment on PFD. Single use beacon (no battery replacement). | | | | |
| **TAC rev history** | 1) 1-Dec-2023: original TAC 3390 issued for model 'Tron SA20' with regular protocols under TAC 390 and PLB EPIRB protocols under TAC 1390. | | | | |