TAC Report Nr. 1354-1.0

TAC Number	1354	**TAC Date**	04-FEB-2022	**TAC Rev. date**	25-MAR-2022
Beacon Model Name	Tron 40VDR AIS				
Additional Names	---				
Manufacturer	Jotron AS (former - Jotron Electronics A.S.)				
Tx Frequencies	406.031 MHz				
In Production	in production			**Class**	2
Type	EPIRB FF (VDR)			**Tested Life** (hours)	168 hours
Battery	Lithium-Thionyl Chloride, (Li-SOCl2) SAFT, LSH14, 10x C size cells, 5 sets of 2 series cells, in parallel.				
	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**	50%
Homer Power	17 dBm +/- 3 dB				
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-M8Q".		
Separable Antenna	no	**Antenna Model**	Integral antenna		
Additional functions	GNSS self-test; Automatic beacon activation via the sea water contacts. AIS transmitter >27dBm. GNSS update rate 5 minutes. Equipped with Voyage Data Recorder (VDR) module. Galileo RLS functions.				
General comments	Type approved with the RLS Location protocols: EPIRB, MMSI. Tested in EPIRB-like configurations only, i.e., Corresponding to beacon used while floating in water, on deck of a vessel or in a safety raft.				
TAC rev history	1) 4-Feb-2022: original TAC 1354 issued for model 'Tron 40VDR AIS' with standard location protocol under TAC 354; 2) 25-Mar-2022: CSC-66 Approval of RLS-MMSI Protocol for operational use.				