

TAC Number	318	TAC Date	16-APR-2019	TAC Rev. date	16-APR-2019
Beacon Model Name	Tron 40VDR				
Additional Names	---				
Manufacturer	Jotron AS (former - Jotron Electronics A.S.)				
Tx Frequencies	406.037 MHz				
In Production	in production	Class	2		
Type	EPIRB FF (VDR)	Tested Life (hours)	168		
Battery	Li-Thionyl Chloride, SAFT LSH-14 "light", 2 in series/ 5 in parallel C-size cells				
	Battery Legend: Battery cell manufacturer, Cell chemistry, Cell model, No. of cells, Cell size.				
Protocols tested	SL - Standard 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	Intermittent		
Homer Power	17 dBm (+/- 3 dB)				
Strobe Light	yes	Strobe Brightness	1.9 cd	Strobe Duty Cycle	21 flashes/minute
Nav Device	Int	Nav Device Model	iTrax P/N IT500, Atlas Communications model GPS-P1P, uBlox model MAX-7Q-0.		
Separable Antenna	no	Antenna Model	Integrated antenna, Jotron AS P/N X-83053		
Additional functions	Automatic activation via water-sensor; GNSS Self-test; VDR Storage module				
General comments	(1) Beacon was tested in EPIRB configurations only, corresponding to beacon operation while "floating in water" and "above ground". (2) Demonstrated compliance with C/S Standards: C/S T.001 Issue 3 - Rev.14 (October 2013) and C/S T.007 Issue 4 - Rev.8 (October 2013). (3) Approved for message encoding with the following variants of Standard Location protocol: EPIRB with MMSI, and EPIRB with Serial Number.				
TAC rev history	1) 18-Feb-08: TAC 185 was originally issued for model "Tron 40GPS MkII"; 2) 15-Aug-14: Model "Tron 40VDR" approved and added to TAC 185; 3) 3-Sep-15: the alternative GNSS receiver model uBlox AX-7Q-0 approved for use with the model "Tron 40VDR"; 4) 16-Apr-19: First additional TAC 318 was issued.				