

TAC Number	298	TAC Date	26-JAN-2018	TAC Rev. date	21-MAY-2020
Beacon Model Name	Artex ELT 4000				
Additional Names	---				
Manufacturer	ACR Electronics Inc.				
Tx Frequencies	406.031 MHz				
In Production	in production	Class	2		
Type	ELT (Automatic Fixed)	Tested Life (hours)	24 hours		
Battery	Alkaline Manganese Dioxide (Alkaline-MnO ₂), Rayovac 813, 8 x "D"-size cells				
	Battery Legend: Battery cell manufacturer, Cell chemistry, Cell model, No. of cells, Cell size.				
Protocols tested	U - User, UL - User-Location, SL - Standard Location, NL - National Location				
Self Test	yes	Self Test RF	yes	Self Test RF (Short/Long)	short
Self Test Format Flag	Corresponds to nominal flag	Self Test Consistent with 15 Hex ID	yes		
Homer Freq	121.5 MHz	Homer Duty Cycle	33%		
Homer Power	100mW				
Strobe Light	no	Strobe Brightness	---	Strobe Duty Cycle	---
Nav Device	Ext	Nav Device Model	Interface to external navigation device: electrical interface: ARINC 429 ARINC 429 Label 310 and 311; physical interface: 22 pin Mil-standards circular connector.		
Separable Antenna	no	Antenna Model	ACR P/N 110-340 (white blade); ACR P/N 110-340-01 (gray blade); ACR P/N 110-338 (white rod); ACR P/N 110-338-01 (black rod); ACR P/N 110-341 (white blade); ACR P/N A3-06-2835 (white blade); Chelton P/N: 25-1000 (which is ACR P/N A3-06-3188 (white rod)); Cooper P/N: 21-50-343F04 (which is ACR P/N A3-06-3189-1 (black rod)); ACR P/N: 110-773 (whip black); The following three antennas with diplexer (P/N A3-06-3049): ACR P/N 110-328-01 (white blade); ACR P/N 110-337 (white blade); ACR P/N 110-337-01 (white blade with protective tape).		
Additional functions	Automatic activation via a single-axis G-switch; GNSS Self-test (one burst of 520 ms); remote switches, external buzzer; programming adaptor; 406-MHz transmitter automatically switches off after 24 hours of continuous beacon operation.				
General comments	(1) Demonstrated full compliance with C/S Standards: C/S T.001 Issue 4 - Rev.1 (May 2017), C/S T.007 Issue 5 (May 2017). (2) Approved for message encoding with variants of User Protocol (Aviation, ELT with Serial Number, ELT with Aircraft Operator and Serial Number, ELT with Aircraft 24-bit Address), Standard Location Protocol variants (ELT with 24-bit Address, ELT with Aircraft Operator Designator, ELT with Serial Number), National Location Protocol for ELT, and User-Location Protocol (Aviation, ELT with Serial Number, ELT with Aircraft Operator and Serial Number, ELT with Aircraft 24-bit Address),				

TAC rev history

1) 26-Jan-18: originally approved with TAC 298; 2) 2-Apr-18: approval of eight alternative antennas; 3) 17-Feb-20: approval of an additional two alternative antennas; 4) 21-May-20: approval of one additional alternative antenna.