

|                              |  |  |   |                                  |             |
|------------------------------|--|--|---|----------------------------------|-------------|
| <b>TAC Number</b>            | 298  | <b>TAC Date</b>                            | 26-JAN-2018   | <b>TAC Rev. date</b>             | 21-MAY-2020 |
| <b>Beacon Model Name</b>     | Artex ELT 4000 HM  |  |   |                                  |             |
| <b>Additional Names</b>      | ---  |  |   |                                  |             |
| <b>Manufacturer</b>          | ACR Electronics Inc.   |  |   |                                  |             |
| <b>Tx Frequencies</b>        | 406.031 MHz  |  |   |                                  |             |
| <b>In Production</b>         | in production  | <b>Class</b>                               | 2   |                                  |             |
| <b>Type</b>                  | ELT (Automatic Fixed)  | <b>Tested Life (hours)</b>                 | 24 hours  |                                  |             |
| <b>Battery</b>               | Alkaline Manganese Dioxide (Alkaline-MnO <sub>2</sub> ), Rayovac 813, 8 x "D"-size cells   |  |   |                                  |             |
|                              | Battery Legend: Battery cell manufacturer, Cell chemistry, Cell model, No. of cells, Cell size.  |  |   |                                  |             |
| <b>Protocols tested</b>      | U - User, UL - User-Location, SL - Standard Location, NL - National Location   |  |   |                                  |             |
| <b>Self Test</b>             | yes  | <b>Self Test RF</b>                        | yes   | <b>Self Test RF (Short/Long)</b> | short       |
| <b>Self Test Format Flag</b> | Corresponds to nominal flag  | <b>Self Test Consistent with 15 Hex ID</b> | yes   |                                  |             |
| <b>Homer Freq</b>            | 121.5 MHz  | <b>Homer Duty Cycle</b>                    | 33%   |                                  |             |
| <b>Homer Power</b>           | 100mW  |  |   |                                  |             |
| <b>Strobe Light</b>          | no   | <b>Strobe Brightness</b>                   | ---   | <b>Strobe Duty Cycle</b>         | ---         |
| <b>Nav Device</b>            | Ext  | <b>Nav Device Model</b>                    | Interface to external navigation device: electrical interface: ARINC 429 ARINC 429 Label 310 and 311; physical interface: 22 pin Mil-standards circular connector.  |                                  |             |
| <b>Separable Antenna</b>     | no   | <b>Antenna Model</b>                       | 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). |                                  |             |
| <b>Additional functions</b>  | Automatic activation via a six-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.   |  |   |                                  |             |
| <b>General comments</b>      | (1) Model "Artex ELT 4000 HM" is for use with helicopters. It is a variant of the base model "Artex ELT 4000", with an additional 5-axis G-switch fitted in the model "Artex ELT 4000 HM". (2) 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). (3) 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.