European Aviation Safety Agency

European Technical Standard Order

Subject: LIGHT AVIATION SECONDARY SURVEILLANCE TRANSPONDER (LAST)

1 - Applicability
This ETSO gives the requirements which light aviation secondary surveillance transponders (LAST) that are manufactured on or after the date of this ETSO must meet in order to be identified with applicable ETSO marking. The use of those transponders is restricted to cruising speed up to 175 kts, altitude up to 15000 ft and non diversity operation.

2 - Procedures
2.1 - General
Applicable procedures are detailed in CS-ETSO Subpart A.
2.2 - Specific
None.

3 - Technical Conditions
3.1 - Basic
3.1.1 - Minimum Performance Standard
The following functionalities, capabilities, variants and options specified in ED-115 are not applicable for an ETSO authorised LAST:
1.1 Note 2 (low power, non ICAO compliant)
1.4.2.1 Transponder Functionality
  a) Level 1 Surveillance only
2.11.1 LAST Capabilities
  a) Lc0 Mode A/C only transponder
2.11.2 LAST Variants
  a) V1 (Self-contained removable LAST)
Paragraph 1.2 of ED-115 is not a requirement (guidance only).
3.1.2 - Environmental Standard
See CS-ETSO Subpart A paragraph 2.1.
3.1.3 - Computer Software
See CS-ETSO Subpart A paragraph 2.2.
3.2 - Specific
None.

4 - Marking
4.1 - General
Marking is detailed in CS-ETSO Subpart A paragraph 1.2.
4.2 - Specific
Additional requirements for labeling are given in EUROCAE ED-115 paragraph 1.4.2.2.

5 - Availability of Referenced Document
See CS-ETSO Subpart A paragraph 3.