

ETSO-C160a A1*ED Decision 2020/011/R (applicable from 25.7.2020)***VDL MODE 2 COMMUNICATIONS EQUIPMENT****1 Applicability**

This ETSO provides the requirements which VDL Mode 2 Communications equipment that is designed and manufactured on or after the date of this ETSO must meet in order to be identified with the applicable ETSO marking.

2 Procedures

2.1 General

The 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 applicable standards are those provided in EUROCAE ED-92B, Minimum Operational Performance Standards for Aircraft VDL Mode 2 Physical, Link, and Network Layer, dated 21 March 2012, or in EUROCAE ED-92C, Minimum Operational Performance Standards for an Airborne VDL Mode-2 System Operating in the Frequency Range 118-136.975 MHz, dated September 2018. ED-92B is identical to RTCA DO-281B. ED-92C is identical to RTCA DO-281C.

Compliance shall be demonstrated entirely with one of the versions of the applicable minimum operational performance standards.

3.1.2 Environmental Standard

See CS-ETSO, [Subpart A](#), paragraph 2.1.

3.1.3 Software

See CS-ETSO, [Subpart A](#), paragraph 2.2.

3.1.4 Airborne Electronic Hardware

See CS-ETSO, [Subpart A](#), paragraph 2.3.

3.2 Specific

3.2.1 Failure Condition Classification

See CS-ETSO, [Subpart A](#), paragraph 2.4.

A failure of the function defined in paragraph 3.1.1 of this ETSO has been determined to be a minor failure condition.

4 Marking

4.1 General

See CS-ETSO, [Subpart A](#), paragraph 1.2.

4.2 Specific

None.

5 Availability of Referenced Documents

See CS-ETSO, [Subpart A](#), paragraph 3.

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