

SUPPLEMENTAL TYPE CERTIFICATE

10076972 REV. 2

This Certificate/Approval is issued by EASA, acting in accordance with Regulation (EU) 2018/1139 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 129 of that Regulation and in accordance with Commission Regulation (EU) No. 748/2012 to

ALAMO ENGINEERING GmbH

ZEPPELINSTRASSE 16A
82205 GILCHING
GERMANY

EASA.21J.737

and certifies that the change in the type design for the product listed below with the limitations and conditions specified meets the applicable Type Certification Basis and, if applicable, environmental protection requirements when operated within the conditions and limitations specified below:

Type Certificate Number: EASA.R.509

Type Certificate Holder: LEONARDO S.p.A

Type: AW169

Model: AW169

Description of Design Change:

OSD-SIM Data for AW169 Full Flight Simulators

Revision 1:

Transfer of STC from 328 Support Services GmbH, Postfach 1252, 82231 Wessling, Germany

Revision 2:

Scope of approval extension to incorporate OSD-SIM Data for FFS and/or FTD devices simulating the AW169 aircraft configured with Core Avionics SW Phase 8.0

EASA Certification Basis:

The Type and OSD Certification Bases for the original product as amended by the following additional or alternative airworthiness requirements:

- The following paragraph(s) at a later amendment: CS SIMD initial issue of 02 December 2014.

See Continuation Sheet(s)

For the European Union Aviation Safety Agency

Cologne, Germany, 15 April 2025


Marco DIOLI
Section Manager Heavy Rotorcraft

The requirements for environmental protection and the associated certified noise and/ or emissions levels of the product are unchanged and remain applicable to this certificate/ approval without any impact on the noise database.

Associated Technical Documentation:

For STC at Rev. 1:

Master Drawing List MDL-134Z002 issue B dated 20 July 2021

Validation Data Roadmap: Validation Data Roadmap Leonardo AW169, SR-028C000Z0001 issue E dated 28 May 2021

Flight Test Data Report: Flight Test Report Leonardo AW169 FTR028C000Z0001 issue D dated 28 May 2021

Compliance Statement CS-28C134Z0001 issue B dated 19 July 2021

For STC at rev. 2:

Master Document List ref. MDL23A74AE-01 issue A dated 08 April 2025

Validation Data Roadmap (VDR) for AW169 Phase 8.0 Configuration ref. CR23A74AE-02, rev. C dated 14 March 2025

Validation Data Roadmap AW169P8 ref. AW169P8_VDR, Issue 3.0 dated 28 February 2025

Flight Test Data Report (FTDR) for AW169 Phase 8.0 Configuration ref. CR23A74AE-06, rev. C dated 14 March 2025

AW169 P8 FFS LEVEL D Flight Test Data Report (FTDR) ref. FTDR-AW169-P8, Issue 1.0 rev. C dated 28 February 2025

Compliance Summary - Extension of STC for OSD SIMD Elements for AW169 Phase 8.0 Configuration ref. CS23A74AE-01, rev. A dated 26 March 2025

or later revisions of the above listed document(s) approved/accepted under the EASA system.

Limitations/Conditions:

The usage of the validation data of this STC is limited to the validation of FFS and/or FTD devices simulating the AW169 aircraft on the basis of the AW169 in the following configuration:

- AW169 configured with Core Avionics SW Phase 3.0 and fixed landing gear (i.e. AW169 Rotorcraft Flight Manual Supplement No. 9) - Devices to be assessed and validated with reference to the above listed data are eligible for Interim Qualification only (see CS SIMD.100(b)).
- AW169 configured with Core Avionics SW Phase 8.0 and fixed landing gear (i.e. AW169 Rotorcraft Flight Manual Supplement No. 9) - Devices to be assessed and validated with reference to the above listed data are eligible for Objective Qualification (see CS SIMD.100(b)).

- End -