

DEPARTMENT OF TRANSPORTATION**Federal Aviation Administration****Proposed Advisory Circular 25.1435-1, Hydraulic System Certification Tests and Analysis**

AGENCY: Federal Aviation Administration, DOT.

ACTION: Notice of availability of proposed advisory circular (AC) 25.1435-1 and request for comments.

SUMMARY: This notice announces the availability of and requests comments on proposed Advisory Circular (AC) 25.1435-1, Hydraulic System Certification Tests and Analysis. This AC provides guidance on acceptable means, but not the only means, of demonstrating compliance with the requirements of § 25.1435 and related regulations pertaining to hydraulic systems. The proposed AC complements revisions to the airworthiness standards that are being proposed by a separate notice. This notice provides interested persons an opportunity to comment on the proposed AC.

DATES: Comments must be received on or before October 1, 1996.

ADDRESSES: Send all comments on the proposed AC to the Federal Aviation Administration, Attention: Mahinder K. Wahi, Flight Test and Systems Branch, ANM-111, Transport Airplane Directorate, Aircraft Certification Service, FAA, 1601 Lind Avenue SW., Renton, WA 98055-4056. Comments may be examined at the above address between 7:30 a.m. and 4:00 p.m. weekdays, except Federal holidays.

FOR FURTHER INFORMATION CONTACT: Jan Thor, Regulations Branch, ANM-114, at the above address, telephone (206) 227-2127.

SUPPLEMENTARY INFORMATION:**Comments Invited**

A copy of the subject AC may be obtained by contacting the person named above under **FOR FURTHER INFORMATION CONTACT**. Interested persons are invited to comment on the proposed AC by submitting such written data, views, or arguments as they may desire. Commenters must identify the title of the AC and submit comments in triplicate to the address specified above. All comments received on or before the closing date for comments will be considered by the Transport Standards Staff before issuing the final AC.

Discussion

In 1988, the FAA, in cooperation with the European Joint Aviation Authorities (JAA) and other organizations representing the American and European aerospace industries, began a process to harmonize the airworthiness requirements of the United States and the airworthiness requirements of Europe.

In 1992, the harmonization effort was undertaken by the Aviation Rulemaking Advisory Committee (ARAC). A working group of industry and government hydraulic systems specialists of Europe and the United States was chartered by notice in the Federal Register (57 FR 58843, December 12, 1992). The working group was tasked to develop a draft notice of proposed rulemaking (NPRM) and any collateral documents such as advisory circulars concerning new or revised requirements for hydraulic systems and the associated test conditions for hydraulic systems installed in transport category airplanes (§ 25.1435). The JAA is to develop a similar proposal to amend the Joint Aviation Requirements (JAR) as necessary, to achieve harmonization.

The advisory material made available via this notice was developed by the Hydraulic Systems Harmonization Working Group to ensure that the harmonized standards would be interpreted and applied consistently. It was presented to the FAA by the ARAC as a recommendation.

Part 25 of the Federal Aviation Regulations (FAR) prescribes the United States airworthiness standards for transport category airplanes. Proposed AC 25.1435-1 provides guidelines that the FAA has found acceptable to demonstrate compliance with those airworthiness standards for hydraulic systems. Revisions to part 25 are being proposed by the FAA in a notice of proposed rulemaking published elsewhere in this issue of the Federal Register. That notice also describes the use of the Aviation Rulemaking Advisory Committee to develop both the proposed revisions to part 25 and the proposed AC 25.1435-1.

Proposed AC 25.1435-1 provides additional guidance material and one means, but not the only means, of complying with the part 25 revisions proposed in Notice No. 96-[insert notice number of NPRM entitled, "Revision of Hydraulic Systems Airworthiness Standards to Harmonize with European Airworthiness Standards for Transport Category Airplanes"] published in the same edition of the Federal Register]. Issuance of the AC 25.1435-1 is contingent on final adoption of the proposed revision to part 25.

Issued in Renton, Washington, on February 29, 1996.

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Acting Manager, Transport Airplane Directorate, Aircraft Certification Service, ANM-100.

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