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AC NO: 20-72

DATE: 11 Mar 71



# ADVISORY CIRCULAR

## DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

**SUBJECT:** RESTRICTED CATEGORY HELICOPTER MAXIMUM WEIGHT INCREASES

1. **PURPOSE.** This advisory circular provides assistance to persons who desire to obtain FAA approval of over-maximum certificated takeoff weight condition for restricted category helicopter operations.
2. **BACKGROUND.** A question has been raised on the proper procedure for an applicant to obtain approval of higher than maximum gross takeoff weight for restricted category helicopter operations. It is recognized that there is sufficient latitude in the FARs to approve higher than type certificated maximum weight in special purpose operations.
3. **APPROVAL PROCEDURE.** The local FAA district office will provide advice concerning the procedures to follow for obtaining approval to operate helicopters at a weight in excess of the maximum certificated gross weight.
4. **APPLICANT'S RESPONSIBILITY.** Operation of helicopters in excess of the maximum certificated gross weight usually negates the established time for life limited helicopter parts. Operators of restricted category helicopters, desiring to obtain a standard airworthiness certificate, must show that the helicopter conforms to its type design which includes evidence that life limited parts have not derogated. It is recommended that operators choosing to operate in excess of the maximum certificated gross weight, contact the manufacturer for information concerning the increased gross weight and flight envelope to be adhered to in order that the established time for life limited parts will not be negated.

A handwritten signature in black ink, appearing to read 'R. J. Shaff'.

Acting Director, Flight Standards Service

DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION  
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# ADVISORY CIRCULAR

## DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

**SUBJECT:** AIRBORNE VHF COMMUNICATION SYSTEM INSTALLATIONS

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1. **PURPOSE.** This circular sets forth one means, but not the only means, of demonstrating compliance with the airworthiness rules governing the functioning of airborne VHF communication systems.
2. **REFERENCES.** Federal Aviation Regulations 23.1301(a)(1); 25.1301(d); 25.1307(e); 25.1309; 27.1301(d); 29.1301(d); 29.1307(h) and 29.1309.
3. **ACCEPTABLE MEANS OF COMPLIANCE.** An acceptable means of compliance with the referenced regulations as they apply to the functioning of airborne VHF communication systems provided for use under IFR conditions is to satisfy the criteria set forth in Part II, Section III, of Radio Technical Commission for Aeronautics Document No. DO-139 dated 10 October 1968, titled "Minimum Operational Characteristics - Airborne VHF Communication Systems." This document may be examined at any Federal Aviation Administration Regional Office or purchased from: RTCA Secretariat, Suite 302, 2000 K Street, N. W., Washington, D.C. 20006 at a price of \$3.00 per copy.

*Edward C. Hodson*  
Director  
Flight Standards Service