

Obsolete

AC NO: 170-8

DATE: 11/7/66



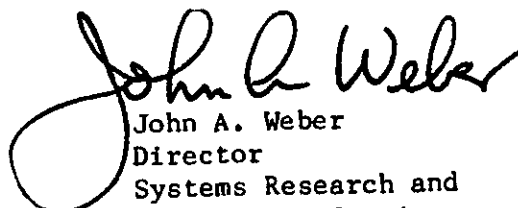
ADVISORY CIRCULAR

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

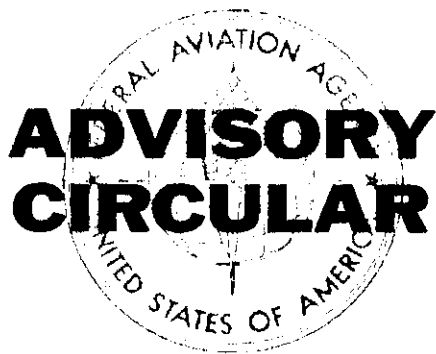
SUBJECT: USE OF COMMON FREQUENCIES FOR INSTRUMENT LANDING SYSTEMS
LOCATED ON OPPOSITE ENDS OF THE SAME RUNWAY

1. **PURPOSE.** This Advisory Circular informs users of the future assignment of common frequencies to two instrument landing systems (ILS), including their associated outer and middle marker compass locators (LOM and LMM), when installed to serve opposite ends of the same runway.
2. **BACKGROUND.** Even though the various components of such ILS systems are presently assigned different frequencies, only the system serving the landing direction in use transmits at any one time in order to prevent the possibility of harmful cross channel interference.

Since simultaneous operation of the two systems is not necessary, future assignments to components of such systems may use the same frequencies, thus alleviating the shortage of ILS and compass locator frequencies existing at many airports with numerous adjacent installations.
3. **OPERATIONAL USE.** The instrument approach procedure charts will list such common frequency assignments. Separate voice or code identifiers will continue to be assigned to each system.


John A. Weber
Director
Systems Research and
Development Service

Federal Aviation Agency



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Air Navigation
Facilities

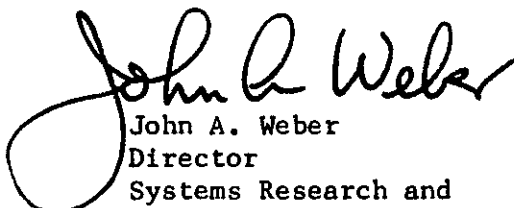
EFFECTIVE: 11/7/66

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