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Minimum Performance Standards-Airborne Radio Marker Receiving Equipment Operating on 75 MHz

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F O R E W O R D

This Paper was prepared by Special Committee 115, International Coordination Group 7 (ICG-7), of the Radio Technical Commission for Aeronautics (RTCA). It was approved by RTCA on January 8, 1970 and supersedes RTCA Paper 87-54/DO-57A, dated March 8, 1962.

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The European Organization for Civil Aviation Electronics (EUROCAE) concurs with RTCA on the Minimum Performance Standards set forth herein, except for the performance standards under the humidity environmental test condition specified in Paragraph 3.2. Coordination of these standards was accomplished by RTCA SC-115's International Coordination Group 7 (ICG-7) and EUROCAE Working Group 7 (WG-7).

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INTRODUCTION

This Paper sets forth minimum performance standards for airborne radio marker receiving equipment operating on 75 MHz.

Compliance with these standards by manufacturers and users is recommended as a means of assuring that the equipment will satisfactorily perform its intended function under all conditions normally encountered in routine aeronautical operations.

In any application of these minimum performance standards, due allowance should be made, where necessary, for equipments in current use which do not fully meet the standards contained herein.

It is recognized that any regulatory application of these standards is the responsibility of governmental agencies.

Inasmuch as the measured values of radio equipment performance characteristics may be a function of the method of measurement, standard test conditions and methods of test are also recommended in this Paper.

The word "equipment" as used herein includes all of the components or units necessary (as determined by the equipment manufacturer) for the equipment to properly perform its intended function. For example, an airborne radio marker receiving "equipment" may include an antenna, a control box, an indicator, a power supply, a shock mount, etc. In the case of this example, all of the foregoing components or units comprise the "equipment." It should not be inferred from this example, however, that every "equipment" will necessarily include all of the foregoing components. This will depend on the design used by the "equipment" manufacturer.