

ARINC

DESIGN GUIDANCE FOR ONBOARD MAINTENANCE SYSTEM

ARINC REPORT 624-1

PUBLISHED: AUGUST 30, 1993

AN **ARINC** DOCUMENT

Prepared by
AIRLINES ELECTRONIC ENGINEERING COMMITTEE
Published by
AERONAUTICAL RADIO, INC.
2551 RIVA ROAD, ANNAPOLIS, MARYLAND 21401

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2551 Riva Road
Annapolis, Maryland 21401-7465 USA

Supplement 1 will not be made available separately due to the extensive changes to previous version of the standard. It is included in its entirety in Report 624A-1.

ARINC REPORT 624-1[®]
DESIGN GUIDANCE FOR ONBOARD MAINTENANCE SYSTEM (OMS)

Published: August 30, 1993

Prepared by the Airlines Electronic Engineering Committee

Report 624
Report 624-1

Adopted by the Airlines Electronic Engineering Committee: July 17, 1991
Adopted by the Airlines Electronic Engineering Committee: July 22, 1993

A description of the changes introduced by each supplement is included on Goldenrod paper at the end of this document.

FOREWORD

Activities of AERONAUTICAL RADIO, INC. (ARINC)

and the

Purpose of ARINC Reports and Specifications

Aeronautical Radio, Inc. is a corporation in which the United States scheduled airlines are the principal stockholders. Other stockholders include a variety of other air transport companies, aircraft manufacturers and foreign flag airlines.

Activities of ARINC include the operation of an extensive system of domestic and overseas aeronautical land radio stations, the fulfillment of systems requirements to accomplish ground and airborne compatibility, the allocation and assignment of frequencies to meet those needs, the coordination incident to standard airborne communications and electronics systems and the exchange of technical information. ARINC sponsors the Airlines Electronic Engineering Committee (AEEC), composed of airline technical personnel. The AEEC formulates standards for electronic equipment and systems for airlines. The establishment of Equipment Characteristics is a principal function of this Committee.

It is desirable to reference certain general ARINC Specifications or Reports which are applicable to more than one type of equipment. These general Specifications and Reports may be considered as supplementary to the Equipment Characteristics in which they are referenced. They are intended to set forth the desires of the airlines pertaining to components or equipment is concerned and general design, construction and test criteria, in order to insure satisfactory operation and the necessary interchangeability in airline service. The release of a Specification or Equipment Characteristics should not be construed to obligate ARINC or any airline insofar as the purchase of any components or equipment is concerned.

An ARINC Report (Specification or Characteristic) has a twofold purpose, which is:

- (1) To indicate to the prospective manufacturers of airline electronic equipment the considered opinion of the airline technical people coordinated on an industry basis concerning requisites of new equipment, and
- (2) To channel new equipment designs in a direction which can result in the maximum possible standardization of those physical and electrical characteristics which influence interchangeability of equipment without seriously hampering engineering initiative.

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