



AEROSPACE STANDARD	AS1145™	REV. C
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Aircraft Brake Temperature Monitor Systems (BTMS)		

RATIONALE

This document contains some requirements that are not currently being followed by industry and regulatory groups. Therefore, this document should no longer to be used for New Designs.

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TABLE OF CONTENTS

1. SCOPE	2
1.1 Purpose	2
2. APPLICABLE DOCUMENTS.....	2
3. GENERAL REQUIREMENTS.....	3
3.1 Function	3
3.1.1 Design Objectives.....	3
3.2 Material and Workmanship	5
3.3 Identification.....	5
3.4 Design and Construction	6
3.5 System Components	6
3.6 Electrical Operation	6
3.7 Sensor	6
3.8 Operating Conditions	6
4. QUALIFICATION	7
4.1 Sensor	7
4.2 Indicator Unit.....	9
4.3 Reference Junction or Compensator	10
5. RELIABILITY	12
6. MAINTAINABILITY	12

1. SCOPE:

This specification covers minimum requirements for brake temperature monitoring equipment whenever used on any type and model of civil aircraft. It shall be the responsibility of the purchaser to determine the compatibility of these requirements with the application aircraft and to specify requirements in excess of these minimums as necessary.

1.1 Purpose:

To specify minimum requirements for brake temperature monitoring systems for civil aircraft applications.

2. APPLICABLE DOCUMENTS:

Materials, processes, and standard products shall be selected in accordance with specifications or standards from the sources indicated below in the order of precedence shown. The issue in effect on date of invitation for bids shall apply.

(a) Industry Specifications and Standards as listed in indexes published by recognized industrial associations including but not limited to the following, without order of precedence:

(1) Aerospace Material Specifications (AMS), Aerospace Standards (AS), Aerospace Recommended Practices (ARP), and Aerospace Information Reports (AIR) published by Society of Automotive Engineers.

(2) National Aircraft Standards (NAS) as published by the National Aircraft Standards Committee of the Aerospace Industries Association.

(b) Federal specifications and standards as listed in the index of Federal Specifications, Standards, and Handbooks published by the General Service Administration.

(c) Military Specifications and Standards as listed in the Department of Defense Index of Specifications and Standards.

The following documents are listed as a minimum and are considered the more important of the reference list given below. The documents that apply shall be of the issue in effect at the time of invitation for bids (including change notices) and shall apply to the extent specified herein.

RTCA/DO-160	Environmental Conditions and Test Procedures for Airborne Equipment
MIL-E-5400	Electronic Equipment, Airborne, General Specification for.
MIL-C-83723	Connector Electrical, Circular, Environmental Resisting, Receptacle and Plug, General Specification for
MIL-STD-810	Environmental Test Methods
MIL-STD-461	Electromagnetic Interference Characteristics, Requirements for Equipment
MIL-STD-130	Identification Marking of U.S. Military Property
MIL-STD-462	Electromagnetic Interference Characteristics, Measurements for
MIL-STD-883	Test Methods and Procedures for Micro-electronics
MIL-STD-701	List of Standard Semiconductor Devices