

Specification for

# General requirements for equipment in aircraft —

Part 2: All equipment —

Section 3: Environmental conditions —

Subsection 3.8: Salt mist

UDC 629.7.05/06:620.193.272

Confirmed  
November 2011

# Foreword

This British Standard is part of a composite standard in the Aerospace Series of British Standards that specifies general requirements for equipment in aircraft. An introduction to the complete British Standard is given in BS 3G 100-0.

This British Standard details salt mist tests for two grades of operational severity to be applied, where applicable, to equipment in aircraft.

It is published pending a complete revision when full international agreement has been reached by the International Electrotechnical Commission (IEC) Technical Committee TC 50 and the International Organization for Standardization (ISO) Technical Committee TC 20 in relation to standard methods of test to ensure reproducibility of test results.

Severity 1 test is compatible with those salt spray tests specified in a number of "G" Series Aerospace British Standards. These standards will be amended in due course to invoke this British Standard.

This standard makes reference to the following British Standards:

BS 3G 100, *General requirements for equipment in aircraft — Part 0: Introduction*;

BS 2011, *Basic environmental testing procedures — Part 2.1Kb: Test Kb. Salt mist*.

NOTE Information regarding metric (SI) units is given in BS 3763, "The International System of units (SI)", and BS 350, "Conversion factors and tables".

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## Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, page 1 and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

## Amendments issued since publication

Amd. No.	Date of issue	Comments
4139	December 1982	Indicated by a sideline in the margin

This British Standard, having been approved by the Aerospace Industry Standards Committee, was published under the authority of the Executive Board of the Institution on 14 June 1972

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The following BSI references relate to the work on this standard:  
Committee reference ACE/58  
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## 1 Scope

This British Standard gives details of salt mist tests for two grades of severity, which may be applied to equipment in aircraft to determine their resistance to the corrosive effects of salt-laden atmospheres that exist at sea, in coastal areas and in certain desert areas. It should also be read in conjunction with BS 3G 100-0.

## 2 Tests and test methods

Salt mist tests shall be conducted in accordance with the requirements of BS 2011-2.1Kb "*Test Kb. Salt mist*" and the relevant equipment specification.

The relevant equipment specification shall always state which grade of severity test shall be applied.

- 1) *Severity 1* is applicable to equipment exposed to severe salt contamination conditions, e.g. hovercraft, undercarriage bays, etc.
- 2) *Severity 2* tests should be applied in less exacting conditions where a salt-laden atmosphere will occasionally exist, e.g. cabins and equipment bays, etc.

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