

# Part 12 Specifications

## Leaflet 12-1 Aerospace Specifications

### 1 Introduction

- 1.1 Materials used in aircraft parts affected by airworthiness requirements should conform to approved material specifications. For this purpose, in addition to specifications specifically approved by the CAA (see paragraph 5), British Standard Specifications in the Aerospace Series, issued by the British Standards Institution (BSI) are accepted as approved, and are obtainable from:

British Standards Institution  
Standard Enquiries  
389 Chiswick High Road  
LONDON, W4 4AL  
Telephone: (0208) 996 9000

- 1.2 Unless otherwise stated, reference to any specification referred to in this publication implies the latest issue including any amendments.

### 2 DTD Specifications are prepared by the:

Materials and Structures Department  
Royal Aircraft Establishment  
FARNBOROUGH

### 3 DTD and DEF Specifications are published by and obtainable from:

TSO (The Stationery Office)  
(Mail and Telephone orders only)  
P O Box 276  
LONDON SW8 5DT  
Telephone: (0207) 622 3316

### 4 Defence Standards are published by and obtainable from:

Directorate of Standardisation  
Stan 13  
Ministry of Defence  
Montrose House  
187 George Street  
GLASGOW G1 1YU

## 5 Specifications Approved by the CAA

5.1 Specifications prepared for a material by an Approved Design Organisation where the material is to be used in a part designed within the terms of the design approval should be submitted in duplicate for approval to the:

Civil Aviation Authority  
 Safety Regulation Group  
 Aviation House  
 Gatwick Airport  
 WEST SUSSEX RH6 0YR

5.2 A specification submitted for approval should, according to the material concerned, include such of the following information as appropriate:

- a) An identity or reference number, issue number and date.
- b) A title describing the material.
- c) The quality and/or chemical composition of the material.
- d) The mechanical and/or physical properties of the material.
- e) The method of determining the mechanical and/or physical properties of the material.
- f) Particulars of defects which render the material unsuitable.
- g) Particulars of heat treatment and/or other manufacturing processes.
- h) A table of manufacturing tolerances.
- i) Particulars of such markings which will ensure identification of the material.

5.2.1 A specification will be approved if the CAA accept that the material complies with such a specification having the essential properties assumed by the design in the associated technical investigation.

## 6 CAA Airworthiness Specifications

The following specifications are available from the CAA web site at [www.caa.co.uk](http://www.caa.co.uk) under the Publications section. Paper copies are available from the CAA's printers whose details are given on the inside cover of this publication.

No. 1	Safety Belts	Issue 6	12 March 2004
No. 2	Inflatable Liferrafts	Issue 2	1 November 1985
No. 5	Inflatable Lifejackets	Issue 2	23 November 1979
No. 6	Escape Chutes	Issue 2	21 June 1956
No. 7	Break-in Points	Issue 2	8 August 1962
No. 9	Child's Flotation Cot	Issue 1	9 April 1957

No. 10	Flight Data Recorder Systems	Issue 1	1 May 1974
No. 10A	Flight Data Recorder for Aeroplane Accidents Investigation	Issue 1	1 June 1990
No. 11	Cockpit Voice Recorder Systems	Issue 3	13 August 1983
No. 12	Underwater Sonar Location Devices Approval, Installation and Maintenance	Issue 1	1 May 1974
No. 14	Ground Proximity Warning Systems	Issue 2	September 1976
No. 15	Public Address Systems	Issue 1	27 January 1989
No. 16	Automatically Deployable Emergency Locator Transmitters for Helicopters	Issue 2	1 December 1991
No. 17	Wheels and Wheel Brake Assemblies Minimum Performance Standards	Issue 1	18 September 1986
No. 18	Flight Data Recorder for Helicopter Accidents Investigation	Issue 1	1 June 1990
No. 19	Helicopter Crew Members Immersion Suits	Issue 1	15 April 1991
No. 20	Passenger Protective Breathing Equipment (PPBE) – Smoke Hoods	Issue 1	9 May 1988
No. 21	Helicopter Public Address Systems	Issue 1	23 March 1998
No. 22	Global Positioning Systems (GPS) for Use in Rotorcraft for En-route Navigation	Issue 1	25 April 2005

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