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AEROSPACE SERIES - TECHNICAL

DRAWINGS - REPRESENTATION OF PARTS

MADE OF COMPOSITE MATERIALS - PART 2:

LAMINATED PARTS

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**Aerospace series - Technical drawings - Representation of parts
made of composite materials - Part 2: Laminated parts**

Série aérospatiale - Dessins techniques - Représentation
des articles en matériaux composites - Partie 2 : Articles
drapés

Luft- und Raumfahrt - Technische Zeichnungen -
Darstellung von Teilen aus Verbundwerkstoffen - Teil 2:
Schichtstoffteile

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Foreword

This document (EN 4408-002:2005) has been prepared by the European Association of Aerospace Manufacturers - Standardization (AECMA-STAN).

After enquiries and votes carried out in accordance with the rules of this Association, this Standard has received the approval of the National Associations and the Official Services of the member countries of AECMA, prior to its presentation to CEN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by November 2005, and conflicting national standards shall be withdrawn at the latest by November 2005.

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EN 4408-002:2005 (E)

1 Scope

This standard specifies the rules for the representation of laminated parts as well as the information to be indicated in technical drawings.

It applies to aerospace structures using laminated parts. It shall be used together with EN 4408-001.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 4408-001, *Aerospace series – Technical drawings – Representation of parts made of composite materials – Part 1: General rules.*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 4408-001 apply.

4 General rules

The general rules for the representation of parts made of composite material are specified in standard EN 4408-001.

5 Specific rules

The representation of laminated parts basically differs from the others parts by the detailed representation of the different layers which make up the part.

5.1 Content of definition

The definition of a part includes:

- the list of the elements which make up the part;
- the notes and definition of the materials;
- the definition of the laminate areas;
- the representation and the lay-up diagram;
- the direction key(s) for laminating.

5.2 Recommended workplan

See Table 1.

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