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I.S. EN 4301:2009

Aerospace series - Identification marking methods for engine items - Engineering requirements

I.S. EN 4301:2009

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English Version

Aerospace series - Identification marking methods for engine items - Engineering requirements

Série aérospatiale - Méthodes de marquage pour articles moteurs - Exigences techniques

Luft- und Raumfahrt - Kennzeichnungsverfahren für Triebwerkbauteile - Technische Anforderungen

This European Standard was approved by CEN on 1 March 2008.

EUROPEAN COMMITTEE FOR STANDARDIZATION
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Foreword

This document (EN 4301:2009) has been prepared by the Aerospace and Defence Industries Association of Europe - Standardization (ASD-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 ASD, 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of an identical text or by endorsement, at the latest by September 2009, and conflicting national standards shall be withdrawn at the latest by September 2009.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

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1 Scope

This standard describes the coding system for marks, the processes used to produce these marks, as well as the general marking requirements for the identification of aerospace engine items.

This document is applicable to items whose engineering drawing or design folder refers to EN 4301 for all issues that are not in contradiction with specific indications appearing on the engineering drawing or in the design folder.

This document is not applicable to items requiring an identification plate.

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 ISO 3098-2, *Technical product documentation — Lettering — Part 2: Latin alphabet, numerals and marks (ISO 3098-2:2000)*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1
marking
action of affixing one or more marks on a medium

3.2
mark
physical information, composed of legible characters on the item or its packaging

3.3
permanent mark
mark produced by means of a marking process whose characters can only be eliminated by removing material (machining)

3.4
temporary mark
mark produced by means of a marking process whose characters can be easily removed

3.5
character
each of the elements which compose the mark: letter, figure, symbol, separator, etc.

3.6
design authority
person or corporate body who is in charge of the design definition

3.7
design definition
creative activity which, starting from expressed needs, existing means, and technological possibilities, results in the design of a product meeting these needs and industrially feasible