BS EN 9131:2016

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Aerospace series — Quality Management Systems — Nonconformance Data Definition and Documentation

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The UK participation in its preparation was entrusted to Technical Committee ACE/1, International and European Aerospace Policy and Processes.

A list of organizations represented on this committee can be obtained on request to its secretary.

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English Version

Aerospace series - Quality Management Systems - Nonconformance Data Definition and Documentation

Série aérospatiale - Systèmes de management de la qualité - Documentation des non-conformités

Luft- und Raumfahrt - Qualitätsmanagementsystems - Nichtkonformitäts Dokumentation

This European Standard was approved by CEN on 22 August 2015.

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COMITÉ EUROPÉEN DE NORMALISATION
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European foreword

This document (EN 9131:2016) 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 European 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of an identical text or by endorsement, at the latest by July 2016, and conflicting national standards shall be withdrawn at the latest by July 2016.

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.

This document supersedes EN 9131:2009.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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Rationale

This European Standard has been significantly revised further defining process requirements and data expectations; restructuring the nonconformity documentation data and providing further definition of data descriptions; and providing process defect, cause, and corrective action codes.

This European Standard was created to provide for the uniform submittal of nonconformance information for notification and/or approval when contractually invoked at any level or as guidance within the aviation, space, and defence industry. This European Standard can be invoked as a stand-alone requirement or used in conjunction with 9100-series standards (i.e., 9100, 9110, 9120).

To assure customer satisfaction, aviation, space, and defence industry organizations must produce, and continually improve, safe, reliable products that meet or exceed customer and regulatory authority requirements. The globalization of the industry, and the resulting diversity of regional/national requirements and expectations, has complicated this objective. End-product organizations face the challenge of assuring the quality of, and integrating, product purchased from suppliers throughout the world and at all levels within the supply chain. Industry suppliers and processors face the challenge of delivering product to multiple customers having varying quality expectations and requirements.

The aviation, space, and defence industry established the International Aerospace Quality Group (IAQG) for the purpose of achieving significant improvements in quality and safety, and reductions in cost, throughout the value stream. This organization includes representation from companies in the Americas, Asia/Pacific, and Europe.

This document standardizes requirements for nonconformance data definition and documentation for the industry. The establishment of common requirements, for use at all levels of the supply-chain by organizations, should result in improved quality and safety, and decreased costs, due to the elimination or reduction of organization-unique requirements and the resultant variation inherent in these multiple expectations.

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1 Scope

This European Standard defines the common nonconformance data definition and documentation that shall be exchanged between an internal/external supplier or sub-tier supplier, and the customer when informing about a nonconformity requiring formal decision. The requirements are applicable, partly or totally, when reporting a product nonconformity to the owner or operator, as user of the end item (e.g., engine, aircraft, spacecraft, helicopter), if specified by contract.

The process of exchanging, coordinating, and approving nonconformance data varies with the multiple relationships and agreements among all parties concerned. The information provided by this European Standard forms guidelines for submitting and managing of data through accurate communication. The main objective is to provide the definition of a data set that can be integrated into any form of communication (e.g., electronic data interchange, submission of conventional paper forms).

Reporting of nonconformance data, either electronically or conventionally on paper, is subject to the terms and conditions of the contract. This also includes, where applicable, data access under export control regulations.

2 Normative References

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

EN 9100, *Quality Management Systems — Requirements for Aviation, Space and Defence Organizations*

EN 9110, *Quality Management Systems — Requirements for Aviation Maintenance Organizations*

EN 9120, *Quality Management Systems — Requirements for Aviation, Space and Defence Distributors*

ISO 9000:2005, *Quality management systems — Fundamentals and vocabulary*

3 Terms and Definitions

For the purposes of this document, the terms and definitions given in ISO 9000 and the following apply.

3.1 Customer

The recipient of a product provided by an internal/external supplier or sub-tier supplier

3.2 Mandatory Data

Common and transferable data systematically filled in and provided. The data field must be printed out on the paper form.

3.3 Optional Data

All data fields that are not defined as mandatory by this European Standard. These fields may be requested by a customer or needed by the originator for their own purposes.

3.4 Product

Any vehicle, engine, equipment, component, deliverable software, or parts and materials thereof

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