BSI Standards Publication

Asset Administration Shell for industrial applications

Part 1: Asset Administration Shell structure

bsi.

National foreword

This British Standard is the UK implementation of EN IEC 63278-1:2024. It is identical to IEC 63278-1:2023.

The UK participation in its preparation was entrusted to Technical Committee GEL/65, Measurement and control.

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

Contractual and legal considerations

This publication has been prepared in good faith, however no representation, warranty, assurance or undertaking (express or implied) is or will be made, and no responsibility or liability is or will be accepted by BSI in relation to the adequacy, accuracy, completeness or reasonableness of this publication. All and any such responsibility and liability is expressly disclaimed to the full extent permitted by the law.

This publication is provided as is, and is to be used at the recipient's own risk.

The recipient is advised to consider seeking professional guidance with respect to its use of this publication.

This publication is not intended to constitute a contract. Users are responsible for its correct application.

Published by BSI Standards Limited 2024

ISBN 978 0 539 12276 3

ICS 71.100.20

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 29 February 2024.

Amendments/corrigenda issued since publication

Date	Text affected

EUROPEAN STANDARD **EN IEC 63278-1**

EUROPÄISCHE NORM January 2024

ICS 71.100.20

English Version

Asset Administration Shell for industrial applications - Part 1: Asset Administration Shell structure (IEC 63278-1:2023)

Enveloppe de Gestion d'Actif pour applications industrielles - Partie 1: Structure de l'Enveloppe de Gestion d'Actif (IEC 63278-1:2023)

Verwaltungsschale für industrielle Anwendungen - Teil 1: Struktur der Verwaltungsschale (IEC 63278-1:2023)

This European Standard was approved by CENELEC on 2024-01-18. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Ref. No. EN IEC 63278-1:2024 E

European foreword

The text of document 65/1012/FDIS, future edition 1 of IEC 63278-1, prepared by IEC/TC 65 "Industrial-process measurement, control and automation" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63278-1:2024.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2024-10-18
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2027-01-18

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

Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

Endorsement notice

The text of the International Standard IEC 63278-1:2023 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standard indicated:

ISO/IEC 27000:2018	NOTE Approved as EN ISO/IEC 27000:2020 (not modified)
IEC 61360-1:2017	NOTE Approved as EN 61360-1:2017 (not modified)
IEC 61360-2:2012	NOTE Approved as EN 61360-2:2013 (not modified)
IEC 61406-1:2022	NOTE Approved as EN IEC 61406-1:2022 (not modified)
IEC 61987-11:2016	NOTE Approved as EN 61987-11:2017 (not modified)
IEC 61987-12:2016	NOTE Approved as EN 61987-12:2016 (not modified)
IEC 61987-92:2018	NOTE Approved as EN IEC 61987-92:2018 (not modified)
IEC 62541 (series)	NOTE Approved as EN IEC 62541 (series)
IEC 62541-5:2020	NOTE Approved as EN IEC 62541-5:2020 (not modified)
IEC 62541-100	NOTE Approved as EN 62541-100
IEC 62683-1	NOTE Approved as EN 62683-1
IEC 62832 (series)	NOTE Approved as EN IEC 62832 (series)
IEC 62832-1:2020	NOTE Approved as EN IEC 62832-1:2020 (not modified)
IEC 62832-2:2020	NOTE Approved as EN IEC 62832-2:2020 (not modified)
IEC 62890:2020	NOTE Approved as EN IEC 62890:2020 (not modified)

(normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cencenelec.eu.

Publication	Year	Title	EN/HD	Year
IEC 62443	series	Security for industrial automation and control systems	EN IEC 62443	series

CONTENTS