



This is a preview of ISO/TS 15926-4:2024. [Click here to purchase the full version from the ANSI store.](#)

ISO/TS 15926-4

Industrial automation systems and integration — Integration of life-cycle data for process plants including oil and gas production facilities —

Part 4: Core reference data

*Systèmes d'automatisation industrielle et intégration —
Intégration de données de cycle de vie pour les industries de
"process", y compris les usines de production de pétrole et de gaz —
Partie 4: Données de référence initiales*

Third edition
2024-07

This is a preview of ISO/TS 15926-4:2024. Click [here](#) to purchase the full version from the ANSI store.



COPYRIGHT PROTECTED DOCUMENT

© ISO 2024

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

This is a preview of ISO/TS 15926-4:2024. [Click here to purchase the full version from the ANSI store.](#)

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms, definitions and abbreviated terms	1
3.1 Terms and definitions	1
3.2 Abbreviated terms.....	4
4 Reference data library	4
Annex A (normative) Reference data library module versions	6
Annex B (normative) Columns in the spreadsheets representing the attributes of ISO/TS 15926-4:20— (this version of this document)	9
Annex C (informative) URI for the reference data library	12
Annex D (informative) Explanation of types of classes	13
Annex E (informative) Types of libraries or collections of terms related to reference data libraries	14
Annex F (informative) Application of ISO/TS 15926-4 (this document) in other parts of the ISO 15926 series	16
Bibliography	26

This is a preview of ISO/TS 15926-4:2024. [Click here to purchase the full version from the ANSI store.](#)

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at www.iso.org/patents. ISO shall not be held responsible for identifying any or all such patent rights.

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 184, Automation systems and integration, Subcommittee SC 4, Industrial data.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

This document was prepared by Technical Committee ISO/TC 184, *Automation systems and integration*, Subcommittee SC 4, *Industrial data*.

This third edition replaces the second edition (ISO 15926-4:2019), which has been technically revised.

The main changes are as follows:

- The list of spreadsheets has been updated and includes the correct address on www.standards.iso.org and with the correct version number of the spreadsheets;
- The content of the spreadsheets has been updated to reflect the projects of the past years. In each spreadsheet insert, a list has been included of the changes compared to the previous version;
- The list of attributes has been aligned to ISO/TS 15926-6;
- Informative [Annex E](#) that describes types of libraries and collections of terms related to reference data libraries, has been added;
- Informative [Annex F](#) has been added that describes the application of ISO/TS 15926-4 (this document) in other parts of the ISO 15926 series, including conformance criteria and an example of integration of various reference data libraries into a specific project reference data library.

A list of all parts in the ISO 15926 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

This is a preview of ISO/TS 15926-4:2024. [Click here to purchase the full version from the ANSI store.](#)

The ISO 15926 series provides a representation of process industries facility life-cycle information. This representation is specified by a generic, conceptual data model that is suitable as the basis for implementation in a shared database or data warehouse. The data model is designed to be used in conjunction with reference data, i.e. standard instances that represent information common to a number of users, production facilities, or both. The support for a specific life-cycle activity depends on the use of appropriate reference data in conjunction with the data model.

The ISO 15926 series is a series of parts, each published separately. This document specifies the core set of reference data items. This document is a taxonomy of classes, and of properties which are unrelated to each other. This document also contains non-plant classes (e.g. activity classes, milestones, statuses).

The reference data in this document have been developed since 1990 from the experience of operators, contractors and equipment suppliers operating in the plant engineering supply chain. The reference data therefore largely cover process plants installed in the oil, gas, process and power industries. The reference data can be extended through change requests (CRs) with data that have not yet been covered, such as specific nuclear data and specific pulp and paper equipment data. Such CRs will be processed according to the ISO TC 184/SC4 procedure for maintenance of reference data. In this procedure, the ISO/TS 15926-6 reference data are checked against the technical rules given in ISO/TS 15926-6.