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

Part 6: Rules for the development and validation of reference data of ISO/TS 15926-4

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 6: Règles relatives à l'élaboration et à la validation des données de référence de l'ISO/TS 15926-4

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

This first edition cancels and replaces the first edition of ISO/TS 15926-6:2013, which has been technically revised.

The main changes are:

— update of the normative references;

— deletion of Clause 8 on the administration of a reference data library;

— deletion of rules for external reference data libraries;

— grouping of all rules under one clause with the subclause numbers in the order of the attributes to improve readability;

— improvement of the separation between the factual rule for an attribute and the options that would exist to choose from;

— improvement of Clause 4 for providing the general principles of the attributes to navigate the user;

— deletion of pieces of text that would be more appropriate in a separate knowledge document.

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.

The ISO 15926 series provides a representation process of industry 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.

Most reference data are in ISO/TS 15926-4. This document specifies the rules that are required for the development and validation of reference data items of ISO/TS 15926-4. This document also contains examples of reference data items.

Some reference data are in ISO/TS 15926-11, ISO/TS 15926-12, or ISO 15926-13. The support for a specific life-cycle activity depends on the use of appropriate reference data in conjunction with the data model.

NOTE A reference data library used with the ISO 15926 series can be standardized or proprietary. A reference data library which is initially proprietary can subsequently be submitted for standardization. Classes contained within a reference data library can be more or less generic. Generic core classes and commodity classes are likely to be standardized, but specific manufactured product classes are unlikely to be standardized.