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AMENDMENT 1
2018-04

Data quality —

Part 2: Vocabulary

AMENDMENT 1

*Qualité des données —
Partie 2: Vocabulaire
AMENDEMENT 1*

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Foreword

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

ISO 8000 is organized as a series of parts, each published separately. The structure of ISO 8000 is described by ISO 8000-1.

Each part of ISO 8000 is a member of one of the following series: general data quality, master data quality and product data quality. This part of ISO 8000 is a member of the general data quality series but applicable to all of the three data quality series.

A list of all parts in the ISO 8000 series can be found on the ISO website.

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Data quality —

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Clause 3

Replace definition 3.1.1 with the following new definition:

3.1.1

application

one or more processes creating or using product data

[SOURCE: ISO 10303-1:1994, 3.2.2, modified – The phrase “group of” has been removed at the start of the definition.]

Delete definition 3.2.3 (“data message”).

Replace definition 3.7.1 with the following new definition:

3.7.1

data dictionary

collection of data dictionary entries that allows lookup by entity identifier

[SOURCE: ISO 22745-2:2010, B.2.16]

Replace definition 3.7.2 with the following new definition:

3.7.2

data dictionary entry

description of an entity type containing, at a minimum, an unambiguous identifier, a term and a definition

Note 1 to entry: In the ISO 8000 data architecture, a property need not be associated with a specific data type in a data dictionary. The association between a property and a data type can be made in a data specification.

Note 2 to entry: In order to exchange a value corresponding to a data dictionary entry, more information than an identifier, a name and a definition could be needed. For a property, a data type is needed. Depending on the kind of property, other data elements (e.g. unit of measure, language) could also be needed. These elements can be given in the data dictionary, in a data specification that references the data dictionary entry, or directly associated with the data.

Note 3 to entry: In the ISO 13584 data architecture, the dictionary entry for a property is required to reference a specific data type. Thus, an ISO 13584 dictionary entry is a special case of the more general concept, as it includes elements of a data specification.

[SOURCE: ISO 22745-2:2010, B.2.17, modified – Replaced “datatype” with “data type” to be consistent with other terms in this document.]

Add the following new definitions:

3.10.3

identifier

string of characters created by an organization to reference a data set

3.10.4

identifier resolution

process that, when applied to an identifier, returns an associated data set

Replace definition 3.13.3 with the following new definition:

3.13.3

data technician

person who creates, reads, modifies, and deletes data in accordance with the guidelines for data quality management, and measures data quality and corrects data errors found as a result of data quality measurement

Note 1 to entry: The data administrator sets the guidelines for data quality management.

Replace definition 3.14.17 with the following new definition:

3.14.17

process dimension

set of elements in a process assessment model explicitly related to the processes defined in the relevant process reference model(s)

Note 1 to entry: For example, in ISO/IEC 33063, the elements of the process dimension include processes, process purpose statements, process outcomes, and process performance indicators.

[SOURCE: ISO/IEC 33001:2015, 3.3.10 modified — In the Note to entry, “ISO/IEC 33061” has been replaced by “ISO/IEC 33063”.]

Add the following new definitions:

3.14.19

assessment indicator

sources of objective evidence used to support the assessor's judgment in rating process attributes

[SOURCE: ISO/IEC 33001:2015, 3.3.1]

3.14.20

process profile

set of process attribute ratings for an assessed process

[SOURCE: ISO/IEC 33001:2015, 3.2.18]

Bibliography

Add the following:

[22] ISO/IEC 33063:2015, *Information technology — Process assessment — Process assessment model for software testing*