INTERNATIONAL STANDARD ISO/IEC 9075-1:2016

TECHNICAL CORRIGENDUM 1

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Information technology — Database languages — SQL — Part 1: Framework (SQL/Framework)

TECHNICAL CORRIGENDUM 1

Technologies de l'information — Langages de base de données — SQL — Partie 1: Charpente (SQL/Charpente)

RECTIFICATIF TECHNIQUE 1

Technical Corrigendum 1 to ISO/IEC 9075-1:2016 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 32, *Data management and interchange*.

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4   Concepts

4.4   SQL data types

4.4.5   Constructed composite types

4.4.5.1   Collection types

This Subclause is modified by Subclause 4.1.1.1, "Collection types", in ISO/IEC 9075-15.

1. *Rationale: Insert missing text to allow Part 15 SQL/MDA to merge correctly.*

    Insert the following paragraphs after the third paragraph.

    An *MD-array* is an ordered collection of not necessarily distinct values, whose elements are referenced by their coordinate in the MD-array.

    An MD-array type is specified by an MD-array type constructor.

4.6   SQL-schema objects

4.6.4   User-defined types

4.6.4.2 Distinct types

This Subclause is modified by Subclause 4.2.1.1, "Distinct types", in ISO/IEC 9075-15.

1. *Rationale: Insert missing text to allow Part 15 SQL/MDA to merge correctly.*

    Replace the first paragraph with:

    A *distinct type* is a user-defined data type that is based on some predefined type or collection type. The collection type on which a distinct type is based shall not be an MD-array type. The values of a distinct type are represented by the values of the type on which it is based.

6   Notation and conventions used in other parts of ISO/IEC 9075

6.3   Conventions

6.3.3   Use of terms

6.3.3.3 Rule evaluation order

1. *Rationale: Define a missing rule for the interpretation of the General Rules.*

    Insert the following paragraph after the 6th paragraph:

    These are identified using the phrase "the General Rules of X are evaluated", where X identifies a syntactic element occurring in the Format of the Subclause. Where this phrase occurs, the General Rules for the syntactic element identified by X are not evaluated at the normal time, but are deferred.

For example, the General Rules of Subclause 13.4, "<SQL procedure statement>", in ISO/IEC 9075-2, use the phrase "The General Rules of S are evaluated" to specify that (effectively), the evaluation of the General Rules of Subclause 13.4, "<SQL procedure statement>", is interrupted temporarily to evaluate the General Rules associated with the SQL statement (e.g. an <insert statement>) represented by the symbol S.

6.3.3.7 Exceptions

1. *Rationale: Correct functionality.*

   Replace the 2nd bullet of the 1st paragraph with:

   — The application of the General Rules of Subclauses not specified in Subclause 6.3.3.8, "General Rules not terminated on exception conditions", are terminated.