



INTERNATIONAL STANDARD ISO/IEC 9075-14:2011
TECHNICAL CORRIGENDUM 2

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION
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Information technology — Database languages — SQL —
Part 14:
XML-Related Specifications (SQL/XML)

TECHNICAL CORRIGENDUM 2

Technologies de l'information — Langages de base de données — SQL —

Partie 14: Spécifications relatives au XML (SQL/XML)

RECTIFICATIF TECHNIQUE 2

Technical Corrigendum 2 to ISO/IEC 9075-14:2011 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 32, *Data management and interchange*.

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7 Query expressions

7.1 <table reference>

1. *Rationale: Make <XML table> and <XML iterate> are not updatable.*

Insert a new Syntax Rule.

- 0) Insert after SR 20) If <table primary> specifies <XML table> or <XML iterate>, then the <table primary> is not generally updatable, not simply updatable, not effectively updatable and not insertable-into.

18 Embedded SQL

18.3 <embedded SQL C program>

1. *Rationale: Remove the specification of character set from National Character variables as these already have an implementation-defined character set.*

Replace Syntax Rule 4) with:

- 4) Replace SR 5)a) Any optional CHARACTER SET specification shall be removed from a <C VARCHAR variable>, a <C character variable>, a <C CLOB variable>, a <C XML VARCHAR variable>, or a <C XML CLOB variable>.

20 Information Schema

20.5 DOMAINS view

1. *Rationale: The table prefixes were incorrect.*

Replace the Definition with:

Definition

Add the following columns to the end of outermost select list of the view definition

```
/'
DTD.XML_PRIMARY_MODIFIER, DTD.XML_SECONDARY_MODIFIER,
DTD.XML_SCHEMA_CATALOG, DTD.XML_SCHEMA_SCHEMA, DTD.XML_SCHEMA_NAME,
DTD.XML_SCHEMA_NAMESPACE, DTD.XML_SCHEMA_ELEMENT
```

20.6 ELEMENT_TYPES view

1. *Rationale: The table prefixes were incorrect.*

Replace the Definition with:

Definition

Add the following columns to the end of outermost select list of the view definition

```
/'
DTD.XML_PRIMARY_MODIFIER, DTD.XML_SECONDARY_MODIFIER,
DTD.XML_SCHEMA_CATALOG, DTD.XML_SCHEMA_SCHEMA, DTD.XML_SCHEMA_NAME,
DTD.XML_SCHEMA_NAMESPACE, DTD.XML_SCHEMA_ELEMENT
```

21 Definition Schema

21.1 DATA_TYPE_DESCRIPTOR base table

1. *Rationale: The column name XML_SCHEMA_SCHEMA was incorrectly spelled.*

Replace the constraint definition

DATA_TYPE_DESCRIPTOR_CHECK_REFERENCES_XML_SCHEMA_NAMESPACES with:

```

/
CONSTRAINT
  DATA_TYPE_DESCRIPTOR_CHECK_REFERENCES_XML_SCHEMA_NAMESPACES
CHECK ( XML_SCHEMA_CATALOG NOT IN
        ( SELECT CATALOG_NAME
          FROM SCHEMATA )
      OR
        ( XML_SCHEMA_CATALOG, XML_SCHEMA_SCHEMA, XML_SCHEMA_NAME,
          XML_SCHEMA_NAMESPACE) IN
        ( SELECT XML_SCHEMA_CATALOG, XML_SCHEMA_SCHEMA,
          XML_SCHEMA_NAME, XML_SCHEMA_NAMESPACE
          FROM XML_SCHEMA_NAMESPACES )
      )

```

2. *Rationale: The column name XML_SCHEMA_SCHEMA was incorrectly spelled.*

Replace the constraint definition

DATA_TYPE_DESCRIPTOR_CHECK_REFERENCES_XML_SCHEMA_ELEMENTS with:

```

/
CONSTRAINT
  DATA_TYPE_DESCRIPTOR_CHECK_REFERENCES_XML_SCHEMA_ELEMENTS
CHECK ( XML_SCHEMA_CATALOG NOT IN
        ( SELECT CATALOG_NAME
          FROM SCHEMATA )
      OR
        ( XML_SCHEMA_CATALOG, XML_SCHEMA_SCHEMA, XML_SCHEMA_NAME,
          XML_SCHEMA_NAMESPACE, XML_SCHEMA_ELEMENT) IN
        ( SELECT XML_SCHEMA_CATALOG, XML_SCHEMA_SCHEMA,
          XML_SCHEMA_NAME, XML_SCHEMA_NAMESPACE,
          XML_SCHEMA_ELEMENT
          FROM XML_SCHEMA_ELEMENTS )
      )

```