



INTERNATIONAL STANDARD ISO/IEC 9075-14:2016
TECHNICAL CORRIGENDUM 1

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION
INTERNATIONAL ELECTROTECHNICAL COMMISSION • МЕЖДУНАРОДНАЯ ЭЛЕКТРОТЕХНИЧЕСКАЯ КОМИССИЯ • COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

Information technology — Database languages — SQL —
Part 14: XML-Related Specifications (SQL/XML)

TECHNICAL CORRIGENDUM 1

Technologies de l'information — Langages de base de données — SQL —
Partie 14: Spécifications relatives au XML (SQL/XML)

RECTIFICATIF TECHNIQUE 1

Technical Corrigendum 1 to ISO/IEC 9075-14:2016 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 32, *Data management and interchange*.

6 Scalar expressions

6.6 <XML cast specification>

1. *Rationale: Correct an error in the rule structuring.*

Replace the lead text of General Rule 4) i) viii) 2) with:

4) ...

i) ...

viii) ...

- 2) If *SQLT* is TIME WITH TIME ZONE, then:

Case:

7 Query expressions

7.1 <table reference>

1. *Rationale: Correct an incorrect syntactic transformation.*

Replace Syntax Rule 5) h) with:

5) ...

- h) *TP* is equivalent to the <table primary>

```
LATERAL
( XNDC
  SELECT SLI1 AS CN1, SLI2 AS CN2, ..., SLINC AS CNNC
  FROM XMLITERATE ( XMLQUERY ( XTRP XQAL
                                RETURNING SEQUENCE BY REF EMPTY ON EMPTY ) )
  AS I ( V, N )
) AS CORR DCLP
```

8 Predicates

8.1 <predicate>

1. *Rationale: Supply missing definition.*

Insert the following Syntax Rules:

- 1) Insert after SR 1) f) *P* contains a <XML valid predicate> *XVP* that satisfies one of the following:
 - a) *XVP* does not specify <XML valid according to clause>.
 - b) *XVP* specifies an <XML valid according to clause> that identifies a non-deterministic registered XML Schema and *XVP* does not specify an <XML valid element name specification> of an <XML valid element namespace specification>.
 - c) *XVP* specifies an <XML valid according to clause> that identifies a non-deterministic XML namespace and *XVP* does not specify an <XML valid element name specification>.
 - d) *XVP* specifies an <XML valid element clause> that identifies a non-deterministic global element declaration schema component of a registered XML Schema.
- 2) Insert after SR 1) f) *P* contains a <XML exists predicate> that does not conform to implementation-defined rules enabling the SQL-implementation to deduce that the result of the <XML exists predicate> is deterministic.

9 Mappings

9.10 Mapping an SQL table to an XML element or a sequence of XML elements

1. *Rationale: Correct an error in the rule structuring.*

Replace the lead text of General Rule 5) a) with:

- 5) ...
 - a) If *XSL* is not the zero-length string, then:
Case: