



INTERNATIONAL STANDARD ISO/IEC 9075-11:2016
TECHNICAL CORRIGENDUM 1

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INTERNATIONAL ELECTROTECHNICAL COMMISSION • МЕЖДУНАРОДНАЯ ЭЛЕКТРОТЕХНИЧЕСКАЯ КОМИССИЯ • COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

Information technology — Database languages — SQL —
Part 11: Information and definition schemas (SQL/Schemata)

TECHNICAL CORRIGENDUM 1

Technologies de l'information — Langages de base de données — SQL —
Partie 11: Schémas des informations et des définitions (SQL/Schemata)

RECTIFICATIF TECHNIQUE 1

Technical Corrigendum 1 to ISO/IEC 9075-11:2016 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 32, *Data management and interchange*.

5 Information Schema

5.37 PARAMETERS view

This Subclause is modified by Subclause 19.5, "PARAMETERS view", in ISO/IEC 9075-4.

This Subclause is modified by Subclause 21.10, "PARAMETERS view", in ISO/IEC 9075-14.

1. *Rationale: Identify the correct column.*

Replace Conformance Rule 4) with:

- 4) Without Feature B200, "Polymorphic table functions", conforming SQL language shall not reference INFORMATION_SCHEMA.PARAMETERS.TABLE_SEMANTICS, INFORMATION_SCHEMA.PARAMETERS.IS_PRUNABLE, or INFORMATION_SCHEMA.PARAMETERS.HAS_PASS_THROUGH_COLUMNS.

2. *Rationale: Remove incorrect and misleading Conformance Rules.*

Delete Conformance Rules 5) and 6).

5.39 PRIVATE_PARAMETERS view

1. *Rationale: Remove incorrect and inappropriate column references.*

In the Definition, delete "P.FROM_SQL_SPECIFIC_CATALOG, P.FROM_SQL_SPECIFIC_SCHEMA, P.FROM_SQL_SPECIFIC_NAME, P.TO_SQL_SPECIFIC_CATALOG, P.TO_SQL_SPECIFIC_SCHEMA, P.TO_SQL_SPECIFIC_NAME," and "DTD.TABLE_SEMANTICS, DTD.IS_PRUNABLE, DTD.HAS_PASS_THROUGH_COLUMNS" from the select list.

2. *Rationale: Private parameters of a polymorphic table function cannot be generic tables.*

Delete Conformance Rules 5), 6) and 7).

5.82 Short name views

This Subclause is modified by Subclause 19.8, "Short name views", in ISO/IEC 9075-4.

This Subclause is modified by Subclause 24.14, "Short name views", in ISO/IEC 9075-9.

This Subclause is modified by Subclause 14.7, "Short name views", in ISO/IEC 9075-13.

This Subclause is modified by Subclause 21.15, "Short name views", in ISO/IEC 9075-14.

1. *Rationale: Remove incorrect column references.*

In the Definition, delete "FROM_SQL_SPEC_CAT, FROM_SQL_SPEC_SCH, FROM_SQL_SPEC_NAME, TO_SQL_SPEC_CAT, TO_SQL_SPEC_SCHEMA, TO_SQL_SPEC_NAME," and ", TABLE_SEMANTICS, IS_PRUNABLE, HAS_PASS_THRU_COLS" from the view column list of PRIVATE_PARAMS_S, and delete "FROM_SQL_SPECIFIC_CATALOG, FROM_SQL_SPECIFIC_SCHEMA, FROM_SQL_SPECIFIC_NAME, TO_SQL_SPECIFIC_CATALOG, TO_SQL_SPECIFIC_SCHEMA, TO_SQL_SPECIFIC_NAME," and ", TABLE_SEMANTICS, IS_PRUNABLE, HAS_PASS_THROUGH_COLUMNS" from the select list of PRIVATE_PARAMS_S.

2. *Rationale: Remove incorrect and misleading Conformance Rules.*

Delete Conformance Rules 69), 70), and 73).

3. *Rationale: Add missing Conformance Rule.*

Insert a new Conformance Rule.

74) Without Feature T522, "Default values for IN parameters of SQL-invoked procedures", Feature T523, "Default values for INOUT parameters of SQL-invoked procedures", or Feature T525, "Default values for parameters of SQL-invoked functions", conforming SQL language shall not reference INFORMATION_SCHEMA.PRIVATE_PARAMS_S.PARAMETER_DEFAULT.

6 Definition Schema

6.22 DATA_TYPE_DESCRIPTOR base table

*This Subclause is modified by Subclause 25.2, "DATA_TYPE_DESCRIPTOR base table", in ISO/IEC 9075-9.
This Subclause is modified by Subclause 22.1, "DATA_TYPE_DESCRIPTOR base table", in ISO/IEC 9075-14.*

1. *Rationale: Remove redundant and incomplete Description.*

Delete Description 10).

6.45 ROUTINES base table

*This Subclause is modified by Subclause 20.5, "ROUTINES base table", in ISO/IEC 9075-4.
This Subclause is modified by Subclause 15.5, "ROUTINES base table", in ISO/IEC 9075-13.
This Subclause is modified by Subclause 22.3, "ROUTINES base table", in ISO/IEC 9075-14.*

1. *Rationale: Use the correct domain in the column definitions.*

In the Definition, replace the column definitions of DESCRIBE_PROCEDURE_SPECIFIC_CATALOG, DESCRIBE_PROCEDURE_SPECIFIC_SCHEMA, DESCRIBE_PROCEDURE_SPECIFIC_NAME, START_PROCEDURE_SPECIFIC_CATALOG, START_PROCEDURE_SPECIFIC_SCHEMA, START_PROCEDURE_SPECIFIC_NAME, FULFILL_PROCEDURE_SPECIFIC_CATALOG, FULFILL_PROCEDURE_SPECIFIC_SCHEMA, FULFILL_PROCEDURE_SPECIFIC_NAME, FINISH_PROCEDURE_SPECIFIC_CATALOG, FINISH_PROCEDURE_SPECIFIC_SCHEMA, and FINISH_PROCEDURE_SPECIFIC_NAME with:

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DESCRIBE_PROCEDURE_SPECIFIC_CATALOG INFORMATION_SCHEMA.SQL_IDENTIFIER,
DESCRIBE_PROCEDURE_SPECIFIC_SCHEMA INFORMATION_SCHEMA.SQL_IDENTIFIER,
DESCRIBE_PROCEDURE_SPECIFIC_NAME INFORMATION_SCHEMA.SQL_IDENTIFIER,
START_PROCEDURE_SPECIFIC_CATALOG INFORMATION_SCHEMA.SQL_IDENTIFIER,
START_PROCEDURE_SPECIFIC_SCHEMA INFORMATION_SCHEMA.SQL_IDENTIFIER,
START_PROCEDURE_SPECIFIC_NAME INFORMATION_SCHEMA.SQL_IDENTIFIER,
FULFILL_PROCEDURE_SPECIFIC_CATALOG INFORMATION_SCHEMA.SQL_IDENTIFIER,
FULFILL_PROCEDURE_SPECIFIC_SCHEMA INFORMATION_SCHEMA.SQL_IDENTIFIER,
FULFILL_PROCEDURE_SPECIFIC_NAME INFORMATION_SCHEMA.SQL_IDENTIFIER,
FINISH_PROCEDURE_SPECIFIC_CATALOG INFORMATION_SCHEMA.SQL_IDENTIFIER,
FINISH_PROCEDURE_SPECIFIC_SCHEMA INFORMATION_SCHEMA.SQL_IDENTIFIER,
FINISH_PROCEDURE_SPECIFIC_NAME INFORMATION_SCHEMA.SQL_IDENTIFIER,
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2. *Rationale: Correct the description of a null value in the SECURITY_TYPE column.*

Replace Description 18) with:

18) The values of SECURITY_TYPE have the following meanings:

DEFINER	The routine has the security characteristic DEFINER.
INVOKER	The routine has the security characteristic INVOKER.
IMPLEMENTATION DEFINED	The external routine has the security characteristic IMPLEMENTATION DEFINED.
<i>null</i>	Either the SQL-invoked routine is a polymorphic table function, or it is not an external routine and Feature T324, "Explicit security for SQL routines" is not implemented.