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Partie 11: Schémas des informations et des définitions (SQL/
Schemata)*



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Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives or www.iec.ch/members_experts/refdocs).

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This document was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 32, *Data management and interchange*.

This fifth edition cancels and replaces the fourth edition (ISO/IEC 9075-11:2016), which has been technically revised. It also incorporates the Technical Corrigenda ISO/IEC 9075-9:2016/Cor.1:2019 and ISO/IEC 9075-9:2016/Cor.2:2022.

The main changes are as follows:

- improve the presentation and accuracy of the summaries of implementation-defined and implementation-dependent aspects of this document;
- introduction of several digital artifacts;
- alignment with updated ISO house style and other guidelines for creating standards.

This fifth edition of ISO/IEC 9075-11 is designed to be used in conjunction with the following editions of other parts of the ISO/IEC 9075 series, all published in 2023:

- ISO/IEC 9075-1, sixth edition;
- ISO/IEC 9075-2, sixth edition;
- ISO/IEC 9075-3, sixth edition;
- ISO/IEC 9075-4, seventh edition;
- ISO/IEC 9075-9, fifth edition;
- ISO/IEC 9075-10, fifth edition;
- ISO/IEC 9075-13, fifth edition;
- ISO/IEC 9075-14, sixth edition;
- ISO/IEC 9075-15, second edition;
- ISO/IEC 9075-16, first edition.

A list of all parts in the ISO/IEC 9075 series can be found on the ISO and IEC websites.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html and www.iec.ch/national-committees.

Introduction

The organization of this document is as follows:

- 1) [Clause 1, "Scope"](#), specifies the scope of this document.
- 2) [Clause 2, "Normative references"](#), identifies additional standards that, through reference in this document, constitute provisions of this document.
- 3) [Clause 3, "Terms and definitions"](#), defines the terms and definitions used in this document.
- 4) [Clause 4, "Concepts"](#), presents concepts used in the definition of Persistent SQL modules.
- 5) [Clause 5, "Lexical elements"](#), defines the lexical elements of the language.
- 6) [Clause 6, "Information Schema"](#), defines viewed tables that contain schema information.
- 7) [Clause 7, "Definition Schema"](#), defines base tables on which the viewed tables containing schema information depend.
- 8) [Clause 8, "Conformance"](#), defines the criteria for conformance to this document.
- 9) [Annex A, "SQL conformance summary"](#), is an informative Annex. It summarizes the conformance requirements of the SQL language.
- 10) [Annex B, "Implementation-defined elements"](#), is an informative Annex. It lists those features for which the body of this document states that the syntax, the meaning, the returned results, the effect on SQL-data and/or schemas, or other aspect is partly or wholly implementation-defined.
- 11) [Annex C, "Implementation-dependent elements"](#), is an informative Annex. It lists those features for which the body of this document states that the syntax, the meaning, the returned results, the effect on SQL-data and/or schemas, or other aspect is partly or wholly implementation-dependent.
- 12) [Annex D, "SQL optional feature taxonomy"](#), is an informative Annex. It identifies the optional features of the SQL language specified in this document by an identifier and a short descriptive name. This taxonomy is used to specify conformance.
- 13) [Annex E, "Deprecated features"](#), is an informative Annex. It lists features that the responsible Technical Committee intends not to include in a future edition of this document.
- 14) [Annex F, "Incompatibilities with ISO/IEC 9075:2016"](#), is an informative Annex. It lists incompatibilities with the previous edition of this document.
- 15) [Annex G, "Defect Reports not addressed in this edition of this document"](#), is an informative Annex. It describes the Defect Reports that were known at the time of publication of this document. Each of these problems is a problem carried forward from the previous edition of the ISO/IEC 9075 series. No new problems have been created in the drafting of this document.
- 16) [Annex H, "SQL mandatory feature taxonomy"](#), is an informative Annex. It identifies mandatory features and subfeatures of the SQL language specified in this document by an identifier and a short descriptive name. This taxonomy is used to specify conformance to Core SQL.

In the text of this document, in [Clause 6, "Information Schema"](#), through [Clause 8, "Conformance"](#), Sub-clauses begin new pages. Any resulting blank space is not significant.