Information technology — Database languages — SQL multimedia and application packages —

Part 1:
Framework

Technologies de l’information — Langages de bases de données —
Multimédia SQL et paquetages d’application —
Partie 1: Cadre général
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. In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1.

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).

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Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO’s adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/IEC JTC 1, Information technology, SC 32, Data management and interchange.

This fourth edition cancels and replaces the third edition (ISO/IEC 13249-1:2007), which has been technically revised.

ISO/IEC 13249 consists of the following parts, under the general title Information Technology — Database languages — SQL multimedia and application packages:

— Part 1: Framework
— Part 2: Full-Text
— Part 3: Spatial
— Part 5: Still image
— Part 6: Data mining
— Part 7: History

Parts other than this part specify requirements, and all are dependent on various parts of ISO/IEC 9075 and also on this part of ISO/IEC 13249.
Introduction

The purpose of this part of ISO/IEC 13249 is to define multimedia and application specific types and their associated routines using the user-defined features in parts of ISO/IEC 9075.

This document is based on the content of parts of ISO/IEC 9075, Information technology — Database languages — SQL.

The organization of this part of ISO/IEC 13249 is as follows:

1) Clause 1 specifies the scope of this part of ISO/IEC 13249.
2) Clause 2 identifies additional International Standards that, through reference in ISO/IEC 13249, constitute provisions of this part of ISO/IEC 13249, and hence to all parts of ISO/IEC 13249.
3) Clause 3 specifies terms and definitions used in ISO/IEC 13249.
4) Clause 4 describes the concepts used in ISO/IEC 13249.
5) Clause 5 summarizes the content of each of the parts of ISO/IEC 13249.
6) Clause 6 defines the notation and conventions used in other parts of ISO/IEC 13249.
7) Clause 7 describes the requirements relating to the implementation of ISO/IEC 13249.
8) Clause 8 specifies the conformance requirements for all or some of the parts of ISO/IEC 13249.
9) Annex A (Informative) describes the formal procedures for maintenance and interpretation of ISO/IEC 13249.