

Australian Standard™

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

Part 1: Framework



This Australian Standard was prepared by Committee IT-027, Data Management & Interchange. It was approved on behalf of the Council of Standards Australia on 21 April 2005. This Standard was published on 30 May 2005.

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Part 1: Framework

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PREFACE

This Standard was prepared by the Standards Australia Committee IT-027, Data Management & Interchange.

This Standard is identical with, and has been reproduced from, ISO/IEC 13249-1:2002, *Information technology—Database languages—SQL multimedia and application packages—Part 1: Framework*.

The objective of this Standard is to define a framework for data types for use by software developers in database construction.

This Standard is Part 1 of AS 13249, *Information technology—Database languages—SQL multimedia and application packages*, which is published in parts as follows:

Part 1: Framework (this Standard)

Part 2: Full-Text

Part 3: Spatial

Part 5: Still image

Part 6: Data mining

The term ‘informative’ has been used in this Standard to define the application of the appendix to which it applies. An ‘informative’ appendix is only for information and guidance.

As this Standard is reproduced from an international standard, the following applies:

- (a) Its number appears on the cover and title page while the international standard number appears only on the cover.
- (b) In the source text ‘this part of ISO/IEC 13249’ should read ‘this Australian Standard’.
- (c) A full point substitutes for a comma when referring to a decimal marker.

References to International Standards should be replaced by references to Australian or Australian/New Zealand Standards, as follows:

<i>Reference to International Standard</i>		<i>Australian Standard</i>	
ISO/IEC		AS ISO/IEC	
9075	Information technology—Database languages—SQL	9075	Information technology—Database languages—SQL
9075-1	Part 1: Framework (SQL/Framework)	9075.1	Part 1: Framework (SQL/Framework)
9075-2	Part 2: Foundation (SQL/Foundation)	9075.2	Part 2: Foundation (SQL/Foundation)
9075-4	Part 4: Persistent stored modules (SQL/PSM)	9075.4	Part 4: Persistent stored modules (SQL/PSM)
9075-11	Part 11: Information and definition schemas (SQL/schemata)	9075.11	Part 11: Information and definition schemas (SQL/schemata)

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INTRODUCTION

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

- 1) Clause 1, "Scope", specifies the scope of this part of ISO/IEC 13249.
- 2) Clause 2, "Normative references", identifies additional 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, "Terms and definitions", specifies terms and definitions used in ISO/IEC 13249.
- 4) Clause 4, "Concepts", describes the concepts used in ISO/IEC 13249.
- 5) Clause 5, "Parts of ISO/IEC 13249", summarises the content of each of the parts of ISO/IEC 13249.
- 6) Clause 6, "Notation and conventions used in other parts", defines the notation and conventions used in other parts of ISO/IEC 13249.
- 7) Clause 7, "Implementation requirements", describes the requirements relating to the implementation of ISO/IEC 13249.
- 8) Clause 8, "Conformance", specifies the conformance requirements for all or some of the parts of ISO/IEC 13249.
- 9) Annex A, "ISO/IEC JTC1 formal procedure" is an informative Annex. It describes the formal procedures for maintenance and interpretation of ISO/IEC 13249.

AUSTRALIAN STANDARD

Information technology—Database languages—SQL multimedia and application packages**Part 1:
Framework****1 Scope**

ISO/IEC 13249 defines a number of packages of generic data types common to various kinds of data used in multimedia and application areas, to enable that data to be stored and manipulated in an SQL database. The package in each subject area is defined as a part of ISO/IEC 13249. Clause 1, "Scope", of that part defines its subject area.

This part of ISO/IEC 13249 defines those concepts, notations and conventions that are common to two or more other parts of ISO/IEC 13249. In particular it describes the way ISO/IEC 9075 is used in other parts to define the user-defined types and their behaviour appropriate to each subject area.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of ISO/IEC 13249. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of ISO/IEC 13249 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO/IEC 9075-1:1999, *Information technology — Database languages — SQL — Part 1: Framework (SQL/Framework)*

ISO/IEC 9075-2:1999, *Information technology — Database languages — SQL — Part 2: Foundation (SQL/Foundation)*

ISO/IEC 9075-4:1999, *Information technology — Database languages — SQL — Part 4: Persistent Stored Modules (SQL/PSM)*

ISO/IEC 9075-11:—¹⁾, *Information technology — Database languages — SQL — Part 11: Information and definition schemas (SQL/schemata)*

1) To be published.