

Australian Standard™

**Industrial automation systems and
integration—Parts library**

**Part 26: Logical resource: Information
supplier identification**



This Australian Standard was prepared by Committee IT-006, Information Technology for Industrial Automation and Integration. It was approved on behalf of the Council of Standards Australia on 23 March 2004 and published on 3 June 2004.

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Australian Standard™

Industrial automation systems and integration—Parts library

Part 26: Logical resource: Information supplier identification

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PREFACE

This Standard was prepared by the Standards Australia Committee IT-006, Information Technology for Industrial Automation and Integration.

This Standard is identical with, and has been reproduced from, ISO 13584-26:2000, *Industrial automation systems and integration—Parts library, Part 26: Logical resource: Information supplier identification*.

The objective of this Standard is to provide a supplier code to identify the information suppliers of the contents of a library, and when the content of this library was provided in a standard document, a code that identifies this standard document.

This Standard is Part 26 of AS ISO 13584, *Industrial automation systems and integration—Parts library*, which is published in parts as follows:

Part 1: Overview and fundamental principles

Part 101: Geometrical view exchange protocol by parametric program

Part 20: Logical resource: Logical model of expressions

Part 24: Logical resource: Logical model of supplier library

Part 26: Logical resource: Information supplier identification (this Standard)

Part 31: Implementation resources: Geometric programming interface

Part 42: Description methodology: Methodology for structuring part families

The terms ‘normative’ and ‘informative’ are used to define the application of the annex to which they apply. A normative annex is an integral part of a standard, whereas an informative annex 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
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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/NZS	
8824-1	Information technology—Abstract Syntax Notation One (ASN.1): Specification of basic notation	8824.1	Information technology—Abstract Syntax Notation One (ASN.1): Specification of basic notation
10646-1	Information technology; Universal Multiple-Octet Coded Character Set (UCS); Part 1: Architecture and basic multilingual plane	4189.1	Information technology; Universal Multiple-Octet Coded Character Set (UCS); Part 1: Architecture and basic multilingual plane

ISO

- 10303-11 Industrial automation systems and integration—Product data representation and exchange—Part 11: Description methods: The EXPRESS language reference manual
- 13584-1 Industrial automation systems and integration—Parts library—Part1: Overview and fundamental principles

AS

- 10303.11 Industrial automation systems and integration—Product data representation and exchange, Part 11: Description methods: The EXPRESS language reference manual
- 13584.1 Industrial automation systems and integration—Parts library, Part1: Overview and fundamental principles

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INTRODUCTION

ISO 13584 is an International Standard for the computer-interpretable representation and exchange of part library data. The objective is to provide a neutral mechanism capable of transferring parts library data, independent of any application that is using a parts library data system. The nature of this description makes it suitable not only for the exchange of files containing parts, but also as a basis for implementing and sharing databases of parts library data.

This International Standard is organized as a series of parts, each published separately. The parts of ISO 13854 fall into one of the following series: conceptual descriptions, logical resources, implementation resources, description methodology, conformance testing, view exchange protocol, and standardised content. The series are described in ISO 13584-1.

This part of ISO 13584 is a member of the logical resources series. It defines the identification of the information suppliers of the contents of a library in order to trace who supplied them and who is therefore responsible for them. This identification has to be easy and unambiguous for all supplied libraries whether they are based on external (e.g. national, international) or internal (e.g. company) standards. This part of ISO 13584 defines a code to identify the supplier within this International Standard, and, when the content of a library was already defined in a standard document, a code to identify this standard document. Basic knowledge of EXPRESS is required to understand this part of ISO 13584. No knowledge of the other parts of ISO 13584 is required.

NOTES

AUSTRALIAN STANDARD

Industrial automation systems and integration – Parts library – Part 26: Logical resource: Information supplier identification

1 Scope

This part of ISO 13584 specifies a supplier code to identify the information suppliers of the contents of a library and, when the content of this library was provided in a standard document, a code that identifies this standard document.

The following are within the scope of this part of ISO 13584:

- a code to identify the supplier of information contained in a parts library, and
- a code to identify a standard document when the content of a parts library are defined in a standard document.

The following is outside the scope of this part of ISO 13584:

- a code to identify the supplier of a part.

NOTE The supplier code enables the user of a library to trace the supplier of any information about a part that has an entry in the library and to trace the data given by a particular information supplier.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of ISO 13584. 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 13584 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 publication referred to applies. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO/IEC 6523-1:1998, *Information technology — Structure for the identification of organizations and organization parts — Part 1: Identification of organization identification schemes*

ISO/IEC 8824-1:1995, *Information Technology — Abstract Syntax Notation One (ASN.1): Specification of basic notation*.

ISO 10303-11:1994, *Industrial automation systems and integration — Product data representation and exchange — Part 11: Description methods: The EXPRESS language reference manual*

ISO/IEC 10646-1:1993, *Information technology — Universal Multiple-Octet Coded Character Set (UCS) — Part 1: Architecture and Basic Multilingual Plane*.

ISO/IEC 11179-3:1994, *Information technology — Specification and standardization of data elements — Part 3: Basic attributes of data elements*.

ISO 13584-1:—¹⁾, *Industrial Automation Systems and Integration — Parts Library — Part 1: Overview and Fundamental Principles*.

3 Terms, definitions, and abbreviations

For the purposes of this part of ISO 13584, the following terms and definitions apply. Some of these terms and definitions are repeated for convenience from ISO 11179-3:1994 and ISO/IEC 6523-1:1998.

1) To be published.

3.1

data element

a unit of data for which the definition, identification, representation and permissible values are specified by means of a set of attributes

[ISO/IEC 11179-3:1994]

3.2

data element value

a value out of a set of permissible values pertaining to a data element

[ISO/IEC 6523-1:1998]

3.3

identification scheme

a system allocating identifiers to registered objects

[ISO/IEC 6523-1:1998]

3.4

identifier

a character or group of characters constituting a data element value used to identify or name an object and possibly to indicate certain properties of that object

[ISO/IEC 6523-1:1998]

3.5

information supplier

an organization or organization part (see 3.10) that supplies information about parts (see 3.13)

EXAMPLE A person, a company, a part of a company, or a government agency.

3.6

International Code Designator

ICD

the data element used to uniquely identify an organization identification scheme

[ISO/IEC 6523-1:1998]

3.7

organization

a unique framework of authority within which a person or persons act, or are designated to act, towards some purpose

[ISO/IEC 6523-1:1998]

NOTE The kinds of organizations covered by ISO/IEC 6523-1 include the following examples:

- a) an organization incorporated under law;
- b) an unincorporated organization or activity providing goods and/or services including:
 - 1) partnerships;
 - 2) social or other non-profit organizations or similar bodies in which ownership or control is vested in a group of individuals;
 - 3) sole proprietorships;
 - 4) governmental bodies.
- c) groupings of the above types of organizations where there is a need to identify these in information interchange.

3.8

organization identification scheme

an identification scheme dedicated to the unique identification of organizations

[ISO/IEC 6523-1:1998]