AS/NZS ISO/IEC 15414:2003
ISO/IEC 15414:2002

Australian/New Zealand Standard™

Information technology—Open distributed processing—Reference model—Enterprise language

Standards Australia

STANDARDS NEW ZEALAND
Paerewa Aotearoa

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee IT-015, Software Engineering. It was approved on behalf of the Council of Standards Australia on 1 May 2003 and on behalf of the Council of Standards New Zealand on 22 April 2003. It was published on 16 June 2003.

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee IT-015, Software Engineering.

This Standard is identical with, and has been reproduced from ISO/IEC 15414:2002, *Information technology—Open distributed processing—Reference model—Enterprise language*.

The objective of this Standard is to provide a language (the enterprise language) comprising concepts, structures and rules for developing, representing, and reasoning about a specification of an ODP system from the enterprise viewpoint. It also provides rules which establish correspondences between the enterprise language and the other viewpoint languages to ensure the overall consistency of a specification.

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 International Standard’ should read ‘this Australian/New Zealand Standard’.

(c) A full point substitutes for a comma when referring to a decimal marker.

None of the normative references in the source document have been adopted as Australian or Australian/New Zealand Standards.

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AUSTRALIAN/NEW ZEALAND STANDARD

Information technology – Open distributed processing – Reference model – Enterprise language

1 Scope

This Recommendation | International Standard provides:

a) a language (the enterprise language) comprising concepts, structures, and rules for developing, representing, and reasoning about a specification of an ODP system from the enterprise viewpoint (as defined in ITU-T Rec. X.903 | ISO/IEC 10746-3);

b) rules which establish correspondences between the enterprise language and the other viewpoint languages (defined in ITU-T Rec. X.903 | ISO/IEC 10746-3) to ensure the overall consistency of a specification.

The language is specified to a level of detail sufficient to enable the determination of the compliance of any modelling language to this Recommendation | International Standard and to establish requirements for new specification techniques.

This Recommendation | International Standard is a refinement and extension of ITU-T Rec. X.903 | ISO/IEC 10746-3, clauses 5 and 10, but does not replace them.

This Recommendation | International Standard is intended for use in preparing enterprise viewpoint specifications of ODP systems, and in developing notations and tools to support such specifications.

As specified in clause 5 of ITU-T Rec. X.903 | ISO/IEC 10746-3, an enterprise viewpoint specification defines the purpose, scope and policies of an ODP system. [see also 3-5.0]

2 Normative references

The following Recommendations and International Standards contain provisions which, through reference in this text, constitute provisions of this Recommendation | International Standard. At the time of publication, the editions indicated were valid. All Recommendations and Standards are subject to revision, and parties to agreements based on this Recommendation | International Standard are encouraged to investigate the possibility of applying the most recent edition of the Recommendations and Standards listed below. Members of IEC and ISO maintain registers of currently valid International Standards. The Telecommunication Standardization Bureau of the ITU maintains a list of the currently valid ITU-T Recommendations.

Identical ITU-T Recommendations | International Standards

– ITU-T Recommendation X.902 (1995) | ISO/IEC 10746-2:1996, *Information technology – Open Distributed Processing – Reference Model: Foundations.*

– ITU-T Recommendation X.903 (1995) | ISO/IEC 10746-3:1996, *Information technology – Open Distributed Processing – Reference Model: Architecture.*

– ITU-T Recommendation X.904 (1997) | ISO/IEC 10746-4:1998, *Information technology – Open Distributed Processing – Reference Model: Architectural semantics.*

3 Definitions

3.1 Definitions from ODP standards

3.1.1 Modelling concept definitions

This Recommendation | International Standard makes use of the following terms as defined in ITU-T Rec. X.902 | ISO/IEC 10746-2.

– action;

– behaviour (of an object);