

AS/NZS 4153.5:1993
ISO/IEC 9834-5:1991

Australian/New Zealand Standard

Information technology— Open Systems Interconnection— Procedures for the operation of OSI registration authorities

Part 5: Register of VT control object definitions

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AS/NZS 4153.5:1993

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Australian/New Zealand Standard

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Part 5: Register of VT control object definitions

First published as Joint Standard AS/NZS 4153.5:1993.

PUBLISHED JOINTLY BY:

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Homebush NSW 2140 Australia

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181-187 Victoria Street,
Wellington 1 New Zealand



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ISBN 0 7262 8619 2

PREFACE

This Standard was prepared by the Joint Australia/New Zealand Standards Committee IT/1 on Information Systems—Interconnection. It is identical with, and has been reproduced from, ISO/IEC 9834-5:1991, *Information technology—Open Systems Interconnection—Procedures for the operation of OSI Registration Authorities, Part 5: Register of VT Control Object Definitions*.

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- (ii) *References* The references to International Standards should be replaced by references to the following Australian/New Zealand Standards:

<i>Reference to International Standard or other Publication</i>		<i>Australian/New Zealand Standard</i>	
ISO		AS	
9040	Information technology—Open Systems Interconnection—Virtual Terminal Basic Class Service	4017	Information technology—Open Systems Interconnection—Virtual terminal basic class service
9041	Information technology—Open Systems Interconnection—Virtual Terminal Basic Class Protocol	4018	Information technology—Open Systems Interconnection—Virtual terminal basic class protocol
9041-1	Part 1: Specification	4018.1	Part 1: Specification
ISO/IEC			
8824	Information technology—Open Systems Interconnection—Specification of Abstract Syntax Notation One (ASN.1)	3625	Information technology—Open Systems Interconnection—Specification of Abstract Syntax Notation One (ASN.1)
9834	Information technology—Open Systems Interconnection—Procedures for the operation of OSI Registration Authorities		
9834-1	Part 1: General procedures	—	

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Information technology—Open Systems Interconnection—Procedures for the operation of OSI registration authorities

Part 5: Register of VT control object definitions

1 Scope

This part of ISO/IEC 9834 specifies the contents of register entries recording information about VT control object Definitions and assigning unambiguous names of ASN.1 type OBJECT IDENTIFIER to VT CO Definitions. The VT COs specified in this register are defined for use with implementations of VT protocols claiming to conform to ISO 9041-1.

The VTE CO names to which this document refers are for use in fields of the VT communication protocol defined in ISO 9041-1 which need to identify the VT CO definitions defined in the register entries.

A name registered in accordance with this part of ISO/IEC 9834 shall serve as an identification of the VT CO definition associated with it in the register.

The presence of a register entry in the International Register carries no implications of required support for that VT CO definition in any Virtual Terminal implementation.

NOTE – Nonetheless, within a VT CO definition entry, requirements may be expressed relating to implementations claiming to support the entry.

The requirement for registration for the following CO classification has been identified in ISO 9040:

- Field Entry Instruction COs (FEICOs)
- Field Entry Pilot COs (FEP COs)
- Reference Information Objects (RIOs)
- Termination Conditions COs (TCCOs)

In addition there is a requirement for the registration of miscellaneous COs. Future VT standards may identify registration requirements for new CO classifications.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO/IEC 9834. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO/IEC 9834 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards

ISO/IEC 8824 : 1990, *Information technology – Open Systems Interconnection – Specification of Abstract Syntax Notation One (ASN.1)*.

ISO 9040 : 1990, *Information technology – Open Systems Interconnection – Virtual Terminal Basic Class Service*.

ISO 9041-1 : 1990, *Information technology – Open Systems Interconnection – Virtual Terminal Basic Class Protocol – Part 1: Specification*

ISO/IEC 9834-1 : 1991, *Information technology – Open Systems Interconnection – Procedures for the operation of OSI Registration Authorities – Part 1: General procedures*.

3 Definitions

For the purposes of this part of ISO/IEC 9834, the following terms are used which are defined in ISO 9040.

- a) VT-association
- b) VTE-parameter
- c) service parameter
- d) display object
- e) control object
- f) device object
- g) Field
- h) Field Definition Control Object
- i) Field Definition Record
- j) Field Entry Instruction Control Object
- k) Field Entry Instruction Record
- l) Field Entry Instruction
- m) Field Entry Pilot Control Object
- n) Field Entry Pilot Record
- o) Context Control Object
- p) Reference Information Object
- q) Termination Condition Control Object
- r) Field Entry Event
- s) Field Entry Condition
- t) Field Entry Reaction

4 Abbreviations

For the purposes of this part of ISO/IEC 9834, the following abbreviations apply.

VT	Virtual Terminal
VTE	Virtual Terminal Environment
ISO	International Organisation for Standardisation
OSI	Open Systems Interconnection
ASN.1	Abstract Syntax Notation One
CO	Control Object
FDCO	Field Definition Control Object
FDR	Field Definition Record
FEICO	Field Entry Instruction Control Object
FEIR	Field Entry Instruction Record
FEI	Field Entry Instruction
FEPCO	Field Entry Pilot Control Object
FEPR	Field Entry Pilot Record
FEE	Field Entry Event
FEC	Field Entry Condition
FER	Field Entry Reaction
CCO	Context Control Object
RIO	Reference Information Object
TCCO	Termination Conditions Control Object

5 Subcommittee

The Responsible subcommittee shall be ISO/IEC JTC1/SC 21.

6 Role of Registration Authority

The Registration Authority performs a technical role in ensuring that entries conform to this part of ISO/IEC 9834 and represent useful and clear specifications.

7 Contents of Register Entries

The contents of Register Entries is specified in annex A.

8 Format of Register Entries

Register Entry proposals shall be in the form specified in annex A.

9 Part 1 applicability

All clauses of ISO/IEC 9834-1 shall apply.

10 Activity

The volume of activity is not expected to exceed 20 registrations per year.

11 Change

Inclusion or modification or deletion of register entries in the International Register shall require the same consensus of ISO Member Bodies, and shall follow similar procedures, to that used for the agreement of an International Standard, except that final approval by ISO/IEC Councils is not required.

12 Availability

Register Entries shall be made available to any requestor by the Registration Authority.

13 Sub-registers

The International Register shall consist a number of sub-registers each of which corresponds to a major classification of VT Control Object. These are

- Miscellaneous COs;
- FEICOs;
- FEPCOs;
- RIOs;
- TCCOs.

New control object types may be defined in future amendments to ISO 9040 or in future VT standards. The registration requirements for these CO types shall be specified in those standards so that this part of ISO/IEC 9834 need not be updated.