

AS/NZS 4160:1994

ISO 9543:1989

AS/NZS 4160

Australian/New Zealand Standard

**Information processing systems—
Information exchange between
systems—Synchronous
transmission signal quality at
DTE/DCE interfaces**

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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 9543:1989, *Information processing systems—Information exchange between systems—Synchronous transmission signal quality at DTE/DCE interfaces*.

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- (i) *Terminology* The words 'Australian Standard', 'New Zealand Standard' or 'Joint Australian/New Zealand Standard' should replace the words 'International Standard' wherever they appear.
- (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	
1282	Data processing—Vocabulary	1189	Data processing—Vocabulary
1282-9	Part 09: Data communication	1189.9	Part-9: Data communication
CCITT			
V.5	Standardization of data signalling rates for synchronous data transmission in the general switched telephone network	—	
V.6	Standardization of data signalling rates for synchronous data transmission on leased telephone-type circuits	—	
V.10	Electrical characteristics for unbalanced double-current interchange circuits for general use with integrated circuit equipment in the field of data communications	—	
V.11	Electrical characteristics for balanced double-current interchange circuits for general use with integrated circuit equipment in the field of data communications	—	

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V.22	1 200 bits per second duplex modem standardized for use on the general switched telephone network and on point-to-point 2-wire leased circuits	—
V.22bis	2 400 bits per second duplex modem using the frequency division technique standardized for use on the general switched telephone network and on point-to-point 2-wire leased telephone-type circuits	—
V.23	600/1 200 baud modem standardized for use in the general switched telephone network	—
V.24	List of definitions for interchange circuits between data terminal equipment and data circuit-terminating equipment	—
V.26	2 400 bits per second modem standardized for use on 4-wire leased telephone-type circuits	—
V.26bis	2 400/1 200 bits per second modem standardized for use in the general switched telephone network	—
V.26ter	2 400 bits per second duplex modem using the echo cancellation technique standardized for use in the general switched telephone network and on point-to-point 2-wire leased telephone-type circuits	—
V.27	4 800 bits per second modem with manual equalizer standardized for use on leased telephone-type circuits	—
V.27bis	4 800/2 400 bits per second modem with automatic equalizer standardized for use on leased telephone-type circuits	—
V.27ter	4 800/2 400 bits per second modem standardized for use in the general switched telephone network	—
V.28	Electrical characteristics for unbalanced double-current interchange circuits	—
V.29	9 600 bits per second modem standardized for use on point-to-point 4-wire leased telephone-type circuits	—
V.32	A family of 2-wire, duplex modems operating at data signalling rates of up to 9 600 bit/s for use on the general switched telephone network and on leased telephone-type circuits	—

V.33	14 400 bits per second modem standardized for use on point-to-point 4-wire leased telephone-type circuits	—
V.35	Data transmission at 48 kilobits per second using 60-108 kHz group band circuits	—
V.36	Modems for synchronous data transmission using 60-108 kHz group band circuits	—
V.37	Synchronous data transmission at a data signalling rate higher than 72 kbit/s using 60-108 kHz group band circuits	—
V.110	Support of data terminal equipment (DTEs) with V-series type interfaces by an integrated services digital network (ISDN)	—
X.10	Categories of access for data terminal equipment (DTE) to public data transmission services provided by PDNs and/or ISDNs through terminal adaptors	—
X.21	Interface between data terminal equipment (DTE) and data circuit-terminating equipment (DCE) for synchronous operation on public data networks	—
X.21bis	Use on public data networks of data terminal equipment (DTE) which is designed for interfacing to synchronous V-series modems	—
X.22	Multiplex DTE/DCE interface for user classes 3-6	—
X.24	List of definitions for interchange circuits between data terminal equipment (DTE) and data circuit-terminating equipment (DCE) on public data networks	—
X.30	Support of X.21 and X.21bis based data terminal equipment (DTEs) by an integrated services digital network (ISDN)	—
X.31	Support of packet mode terminal equipment by an ISDN	—