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PUBLIC COMMENT DRAFT

DRAFT INDUSTRY GUIDELINE DR G642:2025

Installation of Broadcast Cabling and connection of Broadcast Equipment to a Telecommunications Network

Issued: 16 October 2025
Comments close: 17 November 2025

G642:2025 INSTALLATION OF BROADCAST CABLING AND CONNECTION OF BROADCAST EQUIPMENT TO A TELECOMMUNICATIONS NETWORK

This Guideline was issued in draft form for public comment as DR G642:2025.

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GUIDANCE FOR PUBLIC COMMENT ON DR G642:2025

This draft Industry Guideline is the outcome of the revision of G642:2016 undertaken by the Australian Telecommunications Alliance WC106 *Broadcast Cabling and Equipment* Working Committee.

The reader is invited to comment on the guidance for installation of Broadcast Cabling and broadcast interfaces used with Broadcast Equipment intended for connection to a C/CSP's Telecommunications Network and on the following proposed recommendations. All submissions received will be made publicly available on the Australian Telecommunications Alliance website unless the submitter requests otherwise.

Please return comments by 17 November 2025 to:

Mike Johns
Project Manager, Australian Telecommunications Alliance
Mail: PO Box 444, Milsons Point NSW 1565
Email: m.johns@austelco.org.au

This draft is available from www.austelco.org.au for download.

Background

The G642 *Installation of Broadcast Cabling and connection of Digital Broadcast Equipment to a Telecommunications Network* Guideline provides guidance for installation of Broadcast Cabling and broadcast interfaces used with Broadcast Equipment intended for connection to a C/CSP's Telecommunications Network. The requirements in this Guideline seek to provide recommendations which are consistent with the aims of the Telecommunications Act 1997. Specifically, these aims are to protect the integrity of a Telecommunications Network and to protect the health and safety of persons.

The revision is to bring the Guideline into alignment with current industry developments, including reviewing the updated Cabling Provider Rules provisions, broadcast interfaces and referenced Standards for broadcast equipment, and the acronyms and definitions used in the Guideline.

Older, unused Standards for broadcast interfaces have been removed from the Guideline as the industry's transition to newer technologies continues. Specific references to 'Digital' broadcast were removed, recognising that digital modalities are now standard practice across the industry where the Guideline is applicable. References to Codecs, Internet Protocols and broadcast-related data stream formats and data mapping were also removed, as the Guideline appropriately focusses on cabling and interfaces rather than data protocols and translation.

Compliance arrangements

The installation and repair of Customer Cabling is subject to the Cabling Provider Rules which require Customer Cabling work to be performed or supervised by a person with the appropriate cabling provider registration and to be installed in accordance with AS/CA S009. This Guideline will be called up in Schedule 1 of the Cabling Work Declaration, replacing the existing Guideline, exempting from the Cabling Provider Rules all Broadcast Cabling work performed in accordance with this Guideline. Where Broadcast Cabling work is not performed in accordance with this Guideline, then all requirements of the Cabling Provider Rules must be met.

FOREWORD

General

This Guideline was prepared by the Australian Telecommunications Alliance WC18 : ***Broadcast Interface*** Working Committee and most recently revised by the WC106 ***Broadcast Cabling and Equipment*** Working Committee.

Under Schedule 1 of the *Telecommunications (Types of Cabling Work) Declaration 2024* ('the Cabling Work Declaration'), Broadcast Cabling Providers performing cabling work are exempt from the requirements of the *Telecommunications Cabling Provider Rules 2025* ('the Cabling Provider Rules') provided they install a Broadcaster Line Isolation Unit (LIU) as the interface to the Telecommunications Network of a C/CSP. The Broadcaster LIU must comply with the applicable technical standards as set out in Schedules 1 and/or 4 to the *Telecommunications (Labelling Notice for Customer Equipment and Customer Cabling) Instrument 2025*.

2010 edition

With the introduction of digital video and audio broadcasting, the development of new Standards was considered. However, a review carried out by the Communications Alliance CECRP/WG29 Working Group concluded that new Standards were not required and that a Guideline would be a sufficient way to manage the installation of Broadcast Cabling and connection of Digital Broadcast Equipment to a Telecommunications Network.

In coming to this conclusion, the Working Group considered the following issues:

a. Current industry practices generally take into account digital broadcast interface requirements (such as the necessary minimum mandatory requirements for audio/video interfaces e.g. impedance balance, plugs and sockets) in contracts between the C/CSPs and the Broadcasters/Broadcast Service Providers where network termination equipment is supplied by the C/CSP to suit the particular CE.

b. The use of LIUs and the location and access to Broadcast Equipment (for example whether the equipment is in secure locations or in locations with public access).

c. The types of Broadcasters and Broadcast Service Providers and the competence of the Broadcast Cabling Providers.

d. Safety and integrity of C/CSP Telecommunications Networks.

e. The different needs pertaining to permanent services compared to itinerant services.

f. Network interface voltage levels for digital broadcast interfaces.

g. Arrangements, including service agreements, between a Broadcaster/Broadcast Service Provider and a C/CSP.

It was concluded that the introduction of a new mandatory Standard for Digital Broadcast Equipment would not be appropriate. A Guideline to address all network integrity and safety concerns relating to the connection of Broadcast Equipment and associated cabling was considered sufficient.

2015 revision

The G642:2010 ***Installation of Broadcast Cabling and connection of Digital Broadcast Equipment to a Telecommunications Network*** Industry Guideline was revised following a five-year scheduled review to bring it into alignment with current industry developments including updating the broadcast interfaces and referenced Standards for broadcast equipment (e.g. UHDTV) and the acronyms and definitions used in the Guideline.

Older Standards for broadcast interfaces have been retained in the Guideline while the industry continues its transition to the newer technologies. It is expected that the older references will be removed at the time of the next scheduled review of the Guideline.

This Guideline complements and is based on Free TV Australia Engineering Guideline 08 [29].

This Guideline is the result of a consensus among representatives on the Communications Alliance Working Committee to produce it as an Industry Guideline.

2025 revision

The G642:2015 ***Installation of Broadcast Cabling and connection of Digital Broadcast Equipment to a Telecommunications Network*** Industry Guideline was revised following a scheduled five-year review to bring it into alignment with current industry developments. This included reviewing the updated Cabling Provider Rules provisions, broadcast interfaces and referenced Standards for broadcast equipment, and the acronyms and definitions used in the Guideline.

Older, unused Standards for broadcast interfaces have been removed from the Guideline as the industry's transition to newer technologies continues. Specific references to 'Digital' broadcast were removed, recognising that digital modalities are now standard practice across the industry where the Guideline is applicable. References to Codecs, Internet Protocols and broadcast-related data stream formats and data mapping were also removed, as the Guideline appropriately focusses on cabling and interfaces rather than data protocols and translation.

It is expected that Standards references will continue to be updated as required at the time of future schedule reviews of the Guideline.

This Guideline complements and is based on Free TV Australia Engineering Guideline 08 [29].

This Guideline is the result of a consensus among representatives on the Australian Telecommunications Alliance Working Committee to produce it as an Industry Guideline.

Guideline revision

Industry Guidelines developed by Australian Telecommunications Alliance (previously Communications Alliance) are updated according to the needs of the industry, by amendments or revision. Users of these Guidelines should make sure that they possess the latest amendments or editions. Representations concerning the need for a change to this Guideline should be addressed to:

The Project Manager
Customer Equipment and Cable Reference Panel
Australian Telecommunications Alliance
PO Box 444
Milsons Point NSW 1565

Regulatory notice

Attention is drawn to the fact that the installation and repair of Customer Cabling (CC) is subject to the Cabling Provider Rules which require CC work to be performed or supervised by a person with the appropriate cabling provider registration and to be installed in accordance with AS/CA S009 [7]. This requirement is determined by legislation and subordinate regulatory instruments administered by the ACMA.

Where this Guideline is called up in Schedule 1 of the Cabling Work Declaration, this will have the effect of exempting from the Cabling Provider Rules all Broadcast Cabling work performed in accordance with this Guideline. Where Broadcast Cabling work is not performed in accordance with this Guideline, then all requirements of the Cabling Provider Rules must be met. Inclusion of this Guideline in the Cabling Work Declaration recognises that this Guideline outlines appropriate safety standards and installation practices and provides a sufficient mechanism to ensure that installation is performed in accordance with industry best practice.

The ACMA is a Commonwealth Statutory Authority with powers under the Act to impose requirements on cabling providers concerning customer cabling.

Details on cabling regulations can be obtained from the ACMA website at http://www.acma.gov.au or by contacting ACMA below at:

Australian Communications and Media Authority
PO Box 13112
Law Courts
Melbourne VIC 8010
Australia

Telephone: +61 3 9963 6800
Facsimile: +61 3 9963 6899
Email: info@acma.gov.au

PUBLICATION HISTORY

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1. GENERAL

1.1 INTRODUCTION

1.1.1 This Guideline provides guidance for installation of Broadcast Cabling and broadcast interfaces used with Broadcast Equipment intended for connection to a C/CSP's Telecommunications Network.

1.1.2 The requirements in this Guideline seek to provide recommendations which are consistent with the aims of the Telecommunications Act 1997. Specifically these aims are to:

a. protect the integrity of a Telecommunications Network; and

b. protect the health and safety of persons.

1.1.3 This Guideline is not device specific.

1.2 REFERENCED BY THE ACMA

1.2.1 Where this Guideline is referenced by the ACMA in the Cabling Work Declaration, this will have the effect of exempting from the Cabling Provider Rules all Broadcast Cabling work performed in accordance with this Guideline. The Cabling Provider Rules reference the Cabling Work Declaration to determine whether any cabling work which is not of a kind mentioned in Schedule 1 of the Declaration is a type of cabling for the purposes of Division 9 of Part 21 of the Telecommunications Act 1997.

1.3 REFERENCED BY C/CSPS

1.3.1 Any service agreement for broadcast carriage services between a C/CSP and a Broadcaster/Broadcast Service Provider/Narrowcaster should reference this Guideline.

1.4 SCOPE AND OBJECTIVES

1.4.1 This Guideline describes the requirements in relation to the connection between:

a. a C/CSP's Telecommunications Network at the Network Boundary; and

b. Broadcast Equipment or Broadcast Cabling.

1.4.2 In respect of Broadcast Equipment, a requirement for connection to a C/CSP's Telecommunications Network is that either the Broadcast Equipment:

a. complies with this Guideline under Section 3; or

b. it has broadcast interfaces other than those listed in this Guideline under Section 3 for which the C/CSP has provided written consent to the concerned Broadcaster/Broadcast Service Provider or Narrowcaster to connect to its Telecommunications Network.

1.4.3 In respect of Broadcast Cabling, a requirement for connection to a C/CSP's Telecommunications Network is that the Broadcast Cabling is connected via the input or output broadcast interfaces of the Broadcast Equipment and that either the Broadcast Equipment:

a. complies with this Guideline under Section 3; or

b. it has broadcast interfaces other than those listed in this Guideline under Section 3 for which the C/CSP has provided written consent to the concerned Broadcaster/Broadcast Service Provider or Narrowcaster to connect to its Telecommunications Network.

1.4.4 This Guideline does not provide guidance for general purpose CE, for example, telephones, facsimile machines or modems.

2. ACRONYMS, DEFINITIONS AND INTERPRETATIONS

2.1 ACRONYMS

2.1.1 For the purposes of the Guideline:

ACMA - Australian Communications and Media Authority

AES - Audio Engineering Society

ASI - Asynchronous Serial Interface broadcast industry standard for transporting MPEG transport streams

Cat-5, Cat-5e,... Cat-8 - the various standards of twisted-pair copper Ethernet cabling

CE - Customer Equipment

CC - Customer Cabling

C/CSP - Carrier/Carriage Service Provider

ETSI - European Telecommunications Standards Institute

IP - Internet Protocol

IEC - International Electrotechnical Commission

ITU-R - International Telecommunications Union – Radiocommunications

ITU-T - International Telecommunications Union – Telecommunications

LIU - Line Isolation Unit

SMPTE - Society of Motion Picture and Television Engineers

SI - International System

2.2 DEFINITIONS

2.2.1 For the purposes of the Guideline:

Broadcast Cabling - means CC used in producing or supplying a broadcast service, including data and video cabling for carriage of real-time audio/visual bitstreams and related production data services.

Broadcast Cabling Provider - means a person who performs Broadcast Cabling work.

Broadcast Equipment - means CE used principally as specialist facilities by a Broadcaster, Broadcast Service Provider or Narrowcaster for data, IP and audio/video cabling for carriage of audio/visual content as found in Clause 3.4.4.

Broadcaster - means:

a. the Australian Broadcasting Corporation; or

b. the Special Broadcasting Service Corporation;

c. a person holding a licence under;

   i. the Broadcasting Services Act 1992; or

   ii. Parts 4, 6, 6A, 7 or 8B, or Schedule 6, of the Broadcasting Services Act 1992.

d. a person providing a broadcasting service under a class licence determined by the ACMA under Part 8 of the Broadcasting Services Act 1992.

Broadcast Service Provider - means a person who provides a third-party service for the carriage of audio/visual content as bitstreams to the broadcast and other audio visual industry sectors and in the course of providing this service, provides Broadcast Cabling to connect Broadcast Equipment to a C/CSP's Telecommunications Network.

Cabling work - has the meaning given by s418 of the Telecommunications Act 1997 as a reference to:

a. the installation of CC for connection to a Telecommunications Network or to a facility;

b. the connection of CC to a Telecommunications Network or to a facility; or

c. the maintenance of CC connected to a Telecommunications Network or to a facility.

[Telecommunications Act 1997]

Carrier - means the holder of a Carrier licence.

[Telecommunications Act 1997]

Carriage Service Provider - means a person who supplies, or proposes to supply, a listed carriage service to the public using:

a. a network unit owned by one or more Carriers; or

b. a network unit in relation to which a nominated Carrier declaration is in force.

[Telecommunications Act 1997]

Customer Cabling - means a line that is used, installed ready for use or intended for use on the customer side of the boundary of a Telecommunications Network.

[Telecommunications Act 1997]

Customer Equipment - means:

a. any equipment, apparatus, tower, mast, antenna or other structure or thing that is used, installed ready for use or intended for use on the customer side of the boundary of a Telecommunications Network; or

b. any system (whether software-based or otherwise) that is used, installed ready for use or intended for use on the customer side of the boundary of a Telecommunications Network;

but not including a line.

[Telecommunications Act 1997]

Narrowcaster - means a provider of a subscription narrowcasting service or an open narrowcasting service under a class licence determined by the ACMA under Part 8 of the Broadcasting Services Act 1992.

Network Boundary - means a point which is the boundary of a C/CSP's Telecommunications Network for determining whether cabling or equipment is CC or CE for the purpose of technical regulation under Part 21 of the Telecommunications Act 1997.

NOTE: In the context of this Guideline, the Network Boundary will usually be an agreed point between the C/CSP and the Broadcaster/Broadcast Service Provider.

Telecommunications Network - a system, or series of systems that is operated by a C/CSP and which carries, or is capable of carrying, communications by means of guided and/or unguided electromagnetic energy.

[Telecommunications Act 1997]

Types of Cabling Work - has the meaning given by s419 (1) of the Telecommunications Act 1997 and the Cabling Work Declaration made pursuant to that subsection.

2.3 INTERPRETATIONS

2.3.1 In the Guideline, unless the contrary appears:

a. headings are for convenience only and do not affect interpretation;

b. a reference to a statute, ordinance, code or other law includes regulations and other instruments under it and consolidations, amendments, re-enactments or replacements of any of them;

c. words in the singular includes the plural and vice versa;

d. words importing persons include a body whether corporate, politic or otherwise;

e. where a word or phrase is defined, its other grammatical forms have a corresponding meaning;

f. mentioning anything after include, includes or including does not limit what else might be included;

g. words and expressions which are not defined have the meanings given to them in the Act; and

h. a reference to a person includes a reference to the person's executors, administrators, successors, agents, assignees and novatees.

3. REQUIREMENTS

3.1 GENERAL

3.1.1 The requirements of this Section apply to broadcast interfaces used with Broadcast Equipment to connect to a C/CSP's Telecommunications Network unless the C/CSP has provided written consent to the concerned Broadcaster/Broadcast Service Provider or Narrowcaster to connect broadcast interfaces other than those listed in this Section to its Telecommunications Network.

3.1.2 Figure 1 shows the connection of Broadcast Equipment, scoped by this Guideline, to a C/CSP's Telecommunications Network.

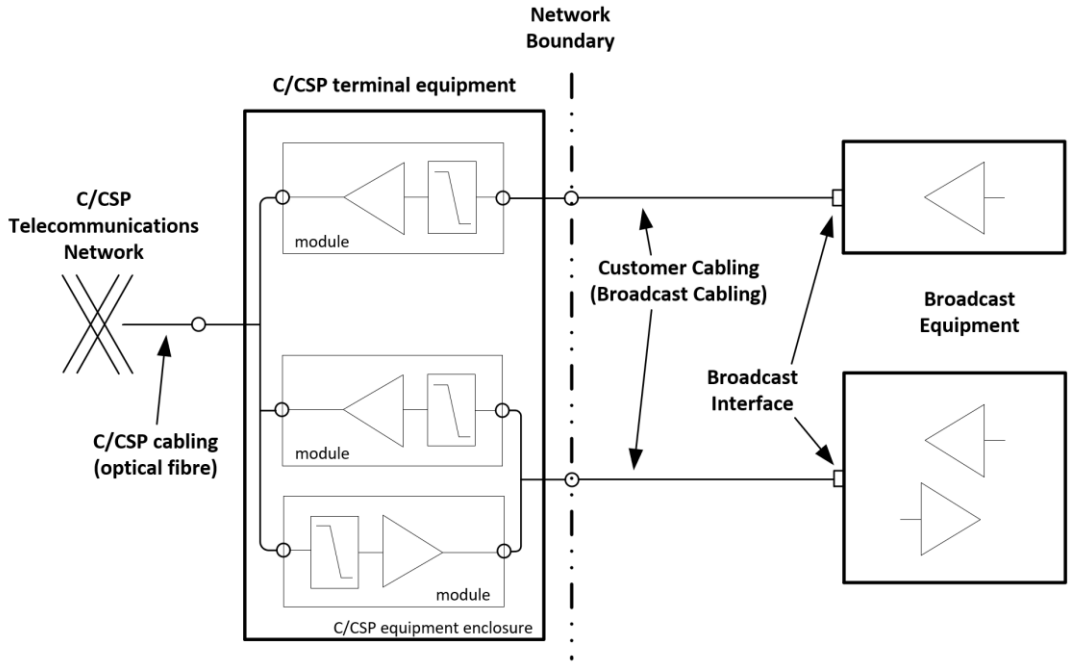

Figure 1

Connection of Broadcast Equipment to a C/CSP's Telecommunications Network

3.2 HEALTH AND SAFETY ISSUES ASSOCIATED WITH BROADCAST EQUIPMENT

3.2.1 The ACMA has made the Telecommunications (Customer Equipment Safety) Technical Standard 2018 which adopts AS/NZS 62368.1 [6] as amended from time to time as an appropriate safety Standard for CE and CC. This ensures that requirements under s376 of the Telecommunications Act 1997 are met, especially with regard to the health and safety of persons who operate, work on, use services supplied by means of, or are otherwise reasonably likely to be affected by the operation of the Telecommunications Network.

3.2.2 Broadcast Equipment must comply with an applicable safety standard for its particular design and application. If there is any doubt, then AS/NZS 62368.1 [6] (as amended from time to time) should be used as the applicable safety Standard.

3.3 HEALTH AND SAFETY ISSUES ASSOCIATED WITH CC/BROADCAST CABLING

3.3.1 Installation and connection of all CC/Broadcast Cabling, including optical fibre, twisted pair copper and coaxial systems, must comply with appropriate safety Standards and installation practices. The applicable Standards/practices for CC/Broadcast Cabling installations are:

a. AS/CA S009 [7], equivalent Industry installation practices, or in accordance with industry Occupational Health and Safety policy;

b. AS/NZS IEC 60825 [1][2] [3][4]; and

c. Specific broadcast industry connector standards and cabling specifications and standards applicable to each broadcast interface as listed under Clause 3.4.4.

3.3.2 For guidance on the health and safety requirements of electrical installations that may form a part of a broadcast cabling installation, refer to AS/NZS 3000:2018 [5], where applicable.

3.4 BROADCAST INTERFACES ON BROADCAST EQUIPMENT

3.4.1 Several broadcast interfaces are currently used by Broadcasters/Narrowcasters and Broadcast Service Providers and are listed in Clause 3.4.4.

3.4.2 As Standards and new technologies can evolve rapidly in the broadcasting environment, the set of video and audio formats expected to be delivered via the C/CSP's Telecommunication Networks into the Broadcaster/Narrowcaster/Broadcast Service Provider's network environment is also rapidly evolving.

3.4.3 Service agreements for broadcast carriage services between the C/CSP and the Broadcaster/Narrowcaster/Broadcast Service Provider must identify the types of broadcast interfaces required at the Network Boundary of the C/CSP's Telecommunications Network. This may extend to the connection point as specified by the C/CSP.

3.4.4 The Standards for broadcast interfaces on Broadcast Equipment which apply to this Guideline are one or more of the following:

a. Interfaces

i. AES3-4-2009 (r2024) AES standard for digital audio - Digital input-output interfacing - Serial transmission format for two-channel linearly-represented digital audio data - Part 4: Physical and electrical, Annex D (Normative) "Coaxial transmission" [27]

ii. AES-2id-2020 AES information document for digital audio engineering – Guidelines for the use of the AES3 interface, Annex C – Coaxial cable adapters and equaliser characterisation [28]

iii. ETSI EN 50083-9 Cabled distribution systems for television, sound and interactive multimedia signals; Part 9: Interfaces for CATV/SMATV headends and similar professional equipment for DVB/MPEG-2 transport streams (DVB Blue Book A010), Annex B, Asynchronous Serial Interface [11]

iv. ETSI EN 300 797 Digital Audio Broadcasting (DAB); Distribution interfaces; Service Transport Interface (STI) [12]

v. ETSI ETS 300 799 Digital Audio Broadcasting (DAB);Distribution interfaces; Ensemble Transport Interface (ETI) [13]

vi. ETSI TS 101 860 Digital Audio Broadcasting (DAB); Distribution Interfaces; Service Transport Interface (STI); STI levels [14]

vii. ETSI TS 102 693 Digital Audio Broadcasting (DAB); Encapsulation of DAB Interfaces (EDI) [15]

viii. ETSI TR 101 891 V1.1.1 (2001-02) Guidelines for the implementation and usage of the DVB Asynchronous Serial Interface (ASI) [16]

ix. ITU-R BT.656 Interface for digital component video signals in 525-line and 625-line television systems operating at the 4:2:2 level of Recommendation ITU-R BT.601 [8]

x. ITU-R BT.1120 Digital interfaces for HDTV studio signals [9]

xi. ITU-R BT.2077 Real-time serial digital interfaces for UHDTV signals [10]

xii. SMPTE 259M–2008 SDTV Digital Signal/Data – Serial Digital Interface [18]

xiii. SMPTE 276M–1995 Transmission of AES-EBU Digital Audio Signals Over Coaxial Cable [19]

xiv. SMPTE 292M–2018 1.5 Gb/s Signal / Data Serial Interface [20]

xv. SMPTE 297M–2015 Serial Digital Fibre Transmission System for SMPTE 259M, SMPTE 344M, SMPTE 292 and SMPTE 424M Signals [21]

xvi. SMPTE 372M–2009 Dual Link 1.5 Gb/s Digital Interface for 1920 x 1080 and 2048 x 1080 Picture Formats [22]

xvii. SMPTE 424M–2012 3 Gb/s Signal/Data Serial Interface [23]

xviii. SMPTE 435-3–2012 10 Gb/s Serial Signal/Data Interface – Part 3: 10.692 Gb/s Optical Fiber Interface [24]

xix. SMPTE 2081-1 2023 6 Gb/s Signal/Data Serial Interface — Electrical [25]

xx. SMPTE 2082-1 2023 12 Gb/s Signal/Data Serial Interface — Electrical [26]

b. Internet Protocols

i. IEEE Std 802.3-2022 IEEE Approved Draft Standard for Ethernet (Revision of IEEE Std 802.3-2015) [17]

4. REFERENCES

	Publication	Title
	Australian/CA Standards	
	AS/NZS IEC 60825	Safety of laser products
[1]	AS/NZS IEC 60825.1:2014	Part 1: Equipment classification and requirements
[2]	AS/NZS IEC 60825.2:2022	Part 2: Safety of optical fibre communication systems (OFCS)
[3]	AS/NZS IEC 60825.12:2023	Part 12: Safety of free space optical communication systems used for transmission of information
[4]	AS/NZS IEC 60825.14:2022	Part 14: A user's guide
[5]	AS/NZS 3000:2018	Electrical installations (known as the Australian/New Zealand Wiring Rules)
[6]	AS/NZS 62368.1:2022	Audio/video, information and communication technology equipment, Part 1: Safety requirements (IEC 62368-1:2018 (ED. 3.0), MOD)
	AS/CA Standards	
[7]	AS/CA S009:2020	Installation requirements for Customer Cabling (Wiring Rules)
	ITU-R and ITU-T Recommendations	
[8]	ITU-R BT.656	Interface for digital component video signals in 525-line and 625-line television systems operating at the 4:2:2 level of Recommendation ITU-R BT.601
[9]	ITU-R BT.1120	Digital interfaces for HDTV studio signals
[10]	ITU-R BT.2077	Real-time serial digital interfaces for UHDTV signals
	ETSI Standards	
[11]	ETSI EN 50083-9	Cabled distribution systems for television, sound and interactive multimedia signals; Part 9: Interfaces for CATV/SMATV headends and similar professional equipment for DVB/MPEG-2 transport streams (DVB Blue Book A010), Annex B, Asynchronous Serial Interface
[12]	ETSI EN 300 797	Digital Audio Broadcasting (DAB); Distribution interfaces; Service Transport Interface (STI)
[13]	ETSI ETS 300 799	Digital Audio Broadcasting (DAB); Distribution interfaces; Ensemble Transport Interface (ETI)
[14]	ETSI TS 101 860	Digital Audio Broadcasting (DAB); Distribution Interfaces; Service Transport Interface (STI); STI levels
[15]	ETSI TS 102 693	Digital Audio Broadcasting (DAB); Encapsulation of DAB Interfaces (EDI)

[16]	ETSI TR 101 891 V1.1.1 (2001-02)	Guidelines for the implementation and usage of the DVB Asynchronous Serial Interface (ASI)
	IEEE Standards	
[17]	IEEE Std 802.3-2022	IEEE Approved Standard for Ethernet
	SMPTE Standards	
[18]	SMPTE 259M-2008	SDTV Digital Signal/Data – Serial Digital Interface
[19]	SMPTE 276M-1995	Transmission of AES/EBU Digital Audio Signals Over Coaxial Cable
[20]	SMPTE 292M-2018	1.5 Gb/s Signal / Data Serial Interface
[21]	SMPTE ST 297M – 1:2015	Serial Digital Fiber Transmission System for SMPTE ST 259, SMPTE ST 344, SMPTE 292-1/2, SMPTE 424, SMPTE ST 2081-1 and SMPTE ST 2082-1 Signals
[22]	SMPTE ST 372:2017	Dual Link 1.5 Gb/s Digital Interface for 1920 x 1080 and 2048 x 1080 Picture Formats
[23]	SMPTE ST 424:2012	3 Gb/s Signal/Data Serial Interface
[24]	SMPTE ST 435-3:2012	10 Gb/s Serial Signal/Data Interface – Part 3: 10.692 Gb/s Optical Fibre Interface
[25]	SMPTE 2081-1:2023	6 Gb/s Signal/Data Serial Interface — Electrical
[26]	SMPTE 2082-1:2023	12 Gb/s Signal/Data Serial Interface — Electrical
	Other international Standards	
[27]	AES3-4-2009 (r2024)	AES standard for digital audio - Digital input-output interfacing - Serial transmission format for two-channel linearly-represented digital audio data - Part 4: Physical and electrical, Annex D (Normative) “Coaxial transmission”
[28]	AES-2id-2020	AES information document for digital audio engineering – Guidelines for the use of the AES3 interface, Annex C – Coaxial cable adapters and equaliser characterisation
	Industry Guidelines	
[29]	Free TV Australia Engineering Guideline 08	Broadcaster Network Digital Boundary Interface
	Legislation and Determinations	
	Telecommunications Act 1997 (Cth)	
	Telecommunications (Labelling Notice for Customer Equipment and Customer Cabling) Instrument 2025	
	Telecommunications (Types of Cabling Work) Declaration 2024	
	Telecommunications Cabling Provider Rules 2025	

5. PARTICIPANTS

The Working Committee responsible for the development of this Guideline consisted of the following organisations and their representatives:

Organisation	Membership	Representative
Australian Communications and Media Authority (ACMA)	Non-voting	Vivian Tee
Community Broadcasting Association of Australia	Voting	David Sice
Free TV Australia	Voting	Giles Tanner
Free TV Australia	Non-voting	David Searle
MediaHub Australia	Voting	Anthony Colquhoun
Network TEN Australia	Voting	Glenn Carrick
Telstra	Voting	Michael Day

This Working Committee was chaired by David Searle, Free TV Australia. Mike Johns of the Australian Telecommunications Alliance provided project management support.

Australian
Telecommunications
Alliance

Level 25 / 100 Mount Street
North Sydney NSW 2060

T 02 9959 9111
E info@austelco.org.au
W austelco.org.au

ABN 56 078 026 507