

THE TELIT

The TITAB Cabling Newsletter

Editorial

Customer Cabling Quality and Integrity – Who Cares?

We do! That’s the answer from “doers” in the industry. But from the days of the monopoly of PMG/Telecom Australia and Telstra, there have been significant changes that have presented quality challenges.

In the “old” Telecommunications monopoly structure, with end-to-end service, the service responsibility was with one organisation. Today that is not the case. NBN Co and other private network providers run the network out from terminal devices and customer equipment and cabling work is by big and small enterprises and individual contractors. So sometimes there is difficulty working out who has been responsible for what.

Quality is linked to training and application of national technical standards, such as mandated Wiring Rules, commonly called AS 009 and the lesser known, AS 008, covering cable types. A high proportion of non-compliance in ACMA audits, is caused by ignoring AS/CA S 009 and to a lesser extent AS/CA S 008. Some Training programs have not devoted enough time to these *basic cabling requirements* – including the mandated requirement to issue Compliance Certificates TCA1 to customers.

TITAB works with other registrars and ADTIA (Australian Digital and Telecommunications Industry Association) building relationships with registered training organisations and government agencies responsible for quality at state/territory and national levels. There are also changes to the Australian Vocational Education Training system that should show better results in the future. TITAB and ADTIA are on committees developing future telecommunications training programs.

As training transferred from the monopoly carrier to the private training sector, TAFE and enterprises, Training Packages evolved with competency based standards and “on-the-job” style assessments. Early Training Packages mainly led to formal certification.

However, in modern industry there is a trend toward targeted qualifications such as skill sets and enterprise-based certification. An objective of competency-based training is to

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enable people to move through the training structures over time, as skills develop with more opportunities in training. This requires national consistency in training product delivery.

With changing technology and an increasing use of patch cords for example, many products commercially available are not compliant. This fundamentally affects service standards. A standard requirement is for clear markings to be visible on cable indicating compliance to Australian standards. A cheap product can in the long run be more expensive. There is only a minor exemption from marking requirements in rare cases where they are made on site, due to lack of availability caused by remoteness or other genuine reasons. But they still need to be tested to meet Australian standards.

While there are challenges, quality and integrity of the network is the responsibility of all of us! Telecommunications is an essential service demonstrated by events such as flood, fire and the catastrophic effect of network break-downs. A key step in the journey to top quality and industry best practice, is adherence to the national technical standards and national training requirements. We cannot leave it to the regulator alone!



Specialising in training for the following:

- Telecommunications
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Contribute to the updating of Telecommunications Skills and Onsite Standards Important ADTIA Industry Survey!!!

You are invited to complete the brief Industry Survey on the following link. We greatly value your opinions and the identification of your needs for the next round of the skills development review process for the Telecommunications Industry and to develop an understanding of current workplace issues.

Survey Link:

<https://www.surveymonkey.com/r/2CWSCQM>

ADTIA was established in 2010 as a member based industry association to promote best practice by way of training and quality assurance for the digital and telecommunications industry workforce.

With an emphasis on educating rather than regulating to 'Future Proof Tomorrow', ADTIA focuses on:

- Quality and Standards
- Workforce Training and Skills development
- Industry growth and productivity
- Industry based Professional development

ADTIA works closely with State and Federal Governments to implement workforce strategies within the digital and telecommunications sectors. Importantly, this relates not only to technical and technological matters but also to occupational health and safety practices, customer service and how to operate a small business.

An industry report will be developed as a result of your input and circulated to relevant stakeholders and registered cabler organisations.

Your input will help shape our future!

Cabling Provider Rules (CPR) ACMA Review

Before the end of this year ACMA intend to commence a review of the Cabling Provider Rules (CPR). TITAB will make a submission along with other registrars and a range of industry stakeholders in support of retention of Cabling Provider Rules and improvements, where practicable. This system replaced the Base Cabling License system linked directly to certification, which in turn had replaced the AUSTEL License system. It is not perfect. But it provides the telecommunications/data industry with a degree of regulation and individual and corporate accountability, within what is largely a self-regulated environment. We would like more audits and on-site inspections and this will be included in our submission. We intend to seek input from our members, when we have the details of the commencement of the review and its terms of reference.

Victorian Neighbourhood Battery Program



The Gembrook Community Centre - Energy Resilience Solutions back-up system consists of 20kW solar PV, 100kWh battery storage, 45kVA generator and energy controller. Credit: HiVis Pictures

Key dates for grant applications

Applications close: 11:00am 29 October 2024.



100 Neighbourhood Batteries Program

Grants are now available to install a battery in your community.

Reasons to install a neighbourhood battery

- Greater access to renewable energy
- Get lower power bills
- Generate revenue to re-invest back into the community
- Have a more reliable electricity supply
- Contribute to Victoria's energy transition
- Manage energy supply and demand in low voltage networks
- Store and use renewable energy all year round
- Increased energy resilience.

Grants of up to \$400,000 are now available to install a neighbourhood battery in your community.

100 Neighbourhood Batteries Program
www.energy.vic.gov.au/100-neighbourhood-batteries

If you have any questions, please email:
neighbourhood.batteries@delwp.vic.gov.au

CAG Concerns re Quality of Cabling Products



A recent discussion within the ADTIA Communications Advisory Group (CAG) comprising representatives of large communications enterprises, revolved around the difficulty in determining which cables, particularly patch cables, actually meet the required standards.

Australian Standard AS/CA S008:2020 "Requirements for customer cabling products" covers many of the physical and environmental requirements and obviously a major concern would also be quality of the cable with respect to electrical measurements and connector reliability etc. The question remains with so many products readily available in stores and through on-line purchases, how do you know if they meet the necessary standard requirements?

The CAG intends to carry out further investigations and ultimately prepare a position paper for general distribution and comment within the industry. Meanwhile be wary of the \$2 shop and on-line purchases, the preference is to obtain your materials from a reputable supplier. Watch this space for future updates.

NBN Co Connecting Communities Initiative



CONNECTING COMMUNITIES TO A MORE SUSTAINABLE FUTURE

Message from NBN Co Executive General Manager:

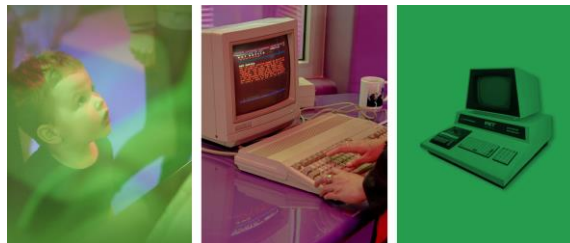
As society accelerates efforts to address the challenges of climate change, smart digital technologies, connected by high-speed fibre, such as nbn® Smart Places, can help make communities more sustainable today and in the future.

In exciting news, nbn is collaborating with Transport for New South Wales to boost the efficiency of their intelligent transport system by connecting traffic lights and cameras with our nbn Smart Places technology, laying the foundation for communication between automated traffic systems and vehicles. By using nbn Smart Places, these fibre connections link systems with the high-speed data that makes real-time monitoring and management possible as well as the reliability to support important systems that are always on.

We're proud to help the development of connected, smart communities that may allow us to live more sustainably.

**Andrew Walsh, Executive General Manager,
New Developments, nbn**

National Communications Museum



The National Communication Museum (NCM) is a brand-new museum in Hawthorn (Victoria) based in a historic 1930's exchange building, parts of which are still operational, on the lands of the Wurundjeri Woi-wurrung people.

Situated adjacent to Swinburne University in an emerging STEAM precinct and designed by award winning architects Carr Design, NCM's visitors can explore the technologies that empower us to shape our future.

By engaging in conversation, risk taking and experimentation, NCM provides a welcoming space for addressing challenging questions in an ever-evolving landscape of technological disruption and change.

Located at: 375 Burwood Rd, Hawthorn VIC

Visit on Facebook for latest events:

<https://www.facebook.com/nationalcommunicationmuseum>

TCA1 Compliance Form for Customers

The ACMA as the telecommunication regulator mandates the issue of TCA 1 forms to customers. Not issuing is a very common breach that shows up in the ACMA audits. Issuing a compliance form can be protection for the cabler as well as the customer and is common practice in other essential services, such as plumbing and power.

When used in conjunction with the TCA 2, which has the role of identifying legacy cabling to clearly identify responsibilities, it can be protection against possible future litigation, in the event of a cable weakness being linked to a failure for example, such as an alarm in security or medical situations.

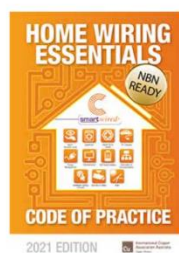


If you have recently moved, changed your email address, or mobile phone number, please contact TITAB to update your new details. This will ensure that you receive your renewal notification so you can renew your registration on time.

Both TITAB and the ACMA often receive phone calls from builders and members of the public to confirm if a registration is valid.

Smart Wiring Guides

Click on
Images



Skills Development

*Australian Registered Cablers You Tube Video Presentations, click on the images below:
Coming soon... the IoT video*



Beyond the Basic AV Network



Deploying WiFi in residential premises



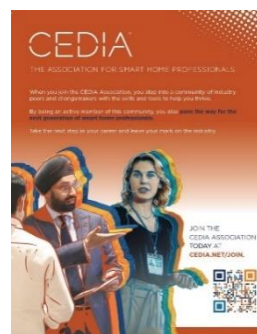
The Importance of Applying S009 and Adhering to its...

Training



Click on
Images

Associations



Useful Links

[ACMA](#)

[ACMA Complaints line](#)

[ADTIA](#)

[Authority to Alter Facilities in Residential & Small Business Premises](#)

[Before You Dig](#)

[Communications Alliance](#)

[Cabling Pathways Doc](#)

[Lead In Conduit \(LIC\) Build Process](#)

[NBN Co](#)

[Smart Wiring](#)

[Training Packages](#)

[Wiring Rules AS/CA S009:2020](#)

To order TITAB products, go online or call: (03) 9631 0800 | www.titab.com.au

General Enquiries regarding cabling, Email: info@titab.com.au

Enquiries regarding this Newsletter, Email: etelit@titab.com.au



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