e-TELIT

TITAB AUSTRALIA

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For Registration and General enquiries **email to: info@titab.com.au**

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Editorial by Kevin Fothergill (TITAB Registrar)



Telecommunications wider skills and Data Centres – The way of the future!

In this TELIT we canvass issues on Systems Integration, Qualifications and the Master Integrator Program. TITAB and CITT (Communications & Information Technology Training) have had some input into the new Systems Integration Certificate III and IV development. Separately, there will be Skill Sets to cater for some non-certificated industry skill needs in this field. TITAB and CITT have advocated for telecommunications national training programs to be broadened to include systems integration type work, so we welcome this development.

Data Centres are now getting attention for the wrong reasons; high power consumption from already strained power grids and geographical location issues, causing residential backlash and doubt as to the actual value to Australia.

While Governments are welcoming them, Data Centres involve a lot of "Warehouse type" buildings, so will be good for the construction sector and maybe some local electricians, but most of the internal computer-based equipment will be imported from overseas factories. And probably a lot of fly-in labour will work here for installation roles. So apart from electrical power supply and electrical fit out, "computer" techs and technical/communications staff, may not have a big role.

With the growth of "Smart TV" and other connected household and enterprise devices, needs will grow for "all round" technical staff, as well as traditional needs which are hardly being met presently. These wider skills need to be developed in Australia and it is highly unlikely that any government policies on migrant skilled labour can meet our requirements as we build up our national skills base under the current "Made in Australia" government policy. Productivity is an issue that economists and politicians are highlighting as an issue for future prosperity. Sovereign skills can help out - if we make the right decisions now!

Lifetime Honorary Members of Energy Skills Queensland (ESQ)



It is with great pride that I congratulate Ed D Prinse (Chair) and Dominic Schipano (CITT/TITAB) on being recognised as Life Members of Energy Skills Queensland (ESQ). As long-standing members of the ESQ Board, both Ed and Dominic have demonstrated exceptional commitment, leadership and dedication to our organisation and the industries they and we represent. Ed and Dominic have generously shared their industry knowledge, experience and guidance, helping ESQ navigate change, embrace opportunities and remain focused on delivering meaningful outcomes for industry. On behalf of the Members, fellow Board Directors, and the entire ESQ team, I extend my sincere thanks and congratulations to you both. Your dedication and contribution have helped build the foundations of the organisation ESQ is today, and your legacy will continue to influence its future. Congratulations, Ed and Dominic. This recognition is thoroughly deserved.

- David Cross *Chief Executive Officer Energy Skills Queensland*

Feature Article: Master Integrator (New Qualifications)

Telecommunications skills can open doors to smart homes, commercial AV and electronic assistive technology as systems integration creates new career pathways, writes Master Integrator founder Paul Skelton.

An interview with Paul Skelton from the Master Integrator:

"Networks are no longer simply infrastructure sitting behind the technology we use. They are increasingly the foundation upon which our homes, workplaces and commercial buildings operate. That creates a significant opportunity for people already working in telecommunications to expand their careers into systems integration. For someone with a telecommunications and cabling background, many of the fundamentals are already there. The opportunity is to build upon them. Australia is finally developing a formal pathway to do exactly that.

The new proposed Certificate III and Certificate IV in Systems Integration were formally launched at Integrate Expo in September following extensive industry development work with the Powering Skills Organisation.

For the first time, we are on the way to having nationally recognised qualifications specifically designed around the work systems integrators actually perform. The qualifications have been developed and are progressing through the final approval process. From there, one of the major priorities will be establishing the Certificate III as a funded apprenticeship pathway.

An industry that desperately needs people.

There is also an area of systems integration that I believe deserves particular attention: electronic assistive technology. Australia has an ageing population and a significant disability sector, and technology is playing an increasingly important role in enabling people to live safely and independently. That can include automated doors, lighting and blinds; environmental controls; communication systems; access control; intercoms; sensors; monitoring; voice control; and other connected technologies adapted to an individual's needs. The technology itself isn't necessarily unfamiliar to people working in integration or telecommunications. What changes is the application.

This is a growing market, and it desperately needs more people who understand technology, infrastructure and how to make systems work reliably. It can also be incredibly meaningful work. The outcome isn't simply a better meeting room or a more convenient home. Done properly, electronic assistive technology can give someone greater independence and control over their own environment. It is one of the areas Master Integrator is actively working on, including bringing integrators and occupational therapists together and developing appropriate education.

Creating more pathways.

This broader view of our workforce is one of the reasons I started Master Integrator. I don't believe we can solve the systems integration industry's skills shortage by only recruiting people who already call themselves systems integrators. We need pathways from telecommunications, electrical, IT and other adjacent industries. We need recognised qualifications, better education and clearer career opportunities. Most importantly, we need to show people that the skills they already have can take them somewhere new.

TITAB cablers who aren't already members of Master Integrator can receive 30% off their first year of membership if they join before 30 November 2026. Simply use the code **TITAB30** when joining at https://masterintegrator.org/join/ Whether your future is in telecommunications, smart homes, commercial AV, electronic assistive technology – or somewhere between all four – there has never been a better time to broaden where your skills can take you."

Floating Data Centers: Excerpt from "The Conversation"

Click image for full article



China built what may be the world's first wind-powered underwater data center in Shanghai. The facility launched in June 2025 and began full commercial operations in May 2026. The US$226 million project uses seawater as a coolant rather than have to refrigerate fresh water, reducing the electricity required to cool the computers. It uses at least 30% less electricity than traditional data centers, and offshore wind turbines reduce reliance on fossil fuels and cut the data center's carbon emissions. Japan is testing a different approach: Data centers housed in containers on floating platforms at sea can use seawater for cooling, have unobstructed conditions for solar panels and wind turbines, and reduce demand for land. In 2025, a data center in shipping containers opened on a floating platform near Yokohama. Its power comes from solar panels installed on the same floating platform, with batteries providing energy storage. The test will continue through March 2027.

TITAB Website Update

The TITAB website will be getting a refresh with a new look and simplified structure that will provide easier access to what cablers utilised most - cabler registration information, as well as simplifying the menu system for the additional services and information we provide.
Streamlined online forms will also be available for those that prefer this option with automated emailing to our administration personnel. This opportunity will also allow us to implement the latest hosting cyber security measures. The release of the new platform is scheduled for early 2027.

Searching for Cablers

There are two ways to search for a Cabler depending on the circumstances you are dealing with. ***To validate whether a cabler is registered*** you need to get on the relevant cabling registrar website, in our case it is www.titab.com.au where you will find on the home page the ability to enter the cabler's registration number, and / or their name, and / or their suburb and this will tell you if their registration is still current. For privacy reasons you cannot obtain their personal contact details.
To find a cabler for a job you can contact Australian Registered Cablers as per the advertisement below.

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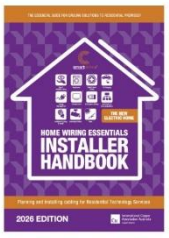


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Skills Development

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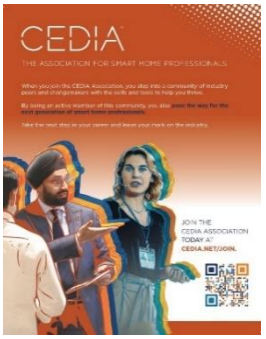
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