



Newsletter

Transport for NSW's Authorised Engineering Organisation (AEO) program, managed by the Asset Standards Authority (ASA), is designed to improve the ability of Transport and its supply chain to collaboratively manage NSW transport network assets more effectively and efficiently over their whole life.



Future Transport 2056

Upcoming ASA Events

TfNSW Asset Management
Community of Practice
15 February

AEO Community of Practice
22 February

Light Rail Knowledge Share
Community of Practice
26 February

Transport Standards
Community of Practice
1 March

Cyber Security Technical Forum
8 March

*Above information is correct at time of publishing and is subject to change. Refer to TfNSW website for latest updates.

Jim's message

Hello and welcome to the final AEO Newsletter for 2017. This was another busy and dynamic period for my team at the ASA as I'm sure it has been for you, our AEOs and the wider Transport cluster. As we move into 2018, the recent release of the draft *Future Transport Strategy 2056* has provided Transport with the long term vision for meeting the mobility needs of our customers into the future. For the ASA it provides a clear direction for our focus in standards, industry capability and asset strategy for the future. For industry, it provides an indication of the capabilities that are critical to its realisation. In this regard, we are already working to bring greater clarity to emerging technologies such as autonomous vehicles, cyber security, digital engineering and hyper loop.

In 2017 we added 24 new AEOs to the community and now have 110 in all, including our first maritime AEO. We have continued to engage with industry and across Transport to further increase the level of collaboration necessary to deliver for the people of NSW.



Jim Modrouvanos
Executive Director

Our engagement program, which we will continue into 2018, is still providing numerous opportunities to share knowledge between industry and Transport, informing change and the effectiveness of the ASA.

As we move into the final stages of 2017 I would like to thank you for your continued collaboration throughout the year, wish you all the very best for a safe and happy festive season. We look forward to seeing you in 2018!

Congratulations to AEO, Aurecon

Aurecon, in consultation with TfNSW, has designed steel HV (HV) aerial poles that are immune from stray traction current problems to be used over the entire suburban and intercity rail network. These steel poles require less ongoing maintenance and will replace the current timber poles. This work has been recognised by the Consult Australia Awards for Excellence in the category of Technological Innovation.

Stray traction current is when return current passes back to the traction substation via other routes than rails (the ground and any buried metal). This may cause corrosion of steel foundations and pipes at any location where it exits steel structures into the general body of the earth.

The challenge was immediately clear. Any alternative device needs to, on one hand, block current (the DC traction current) and on the other hand allow current to pass (the lightning surges and AC fault currents). It also needs to be more cost effective than timber, which is prone to rot and termites, and has limited available lengths and sizes.

The solution consisted of using an existing product in an innovative way. The product, ABB HVL 120-0.3, was developed for the purpose of personal protection from touch voltages and protection of equipment from over-voltages. In the solution for HV aerial poles, this technology was adapted to block stray traction current.

The Strathfield to Hornsby 2kV-11kV Feeder Upgrade - Stage 1 HV aerial upgrade has now been completed using steel poles with the adapted version of the ABB HVL 120-0.3.



Aurecon steel poles

Novo Rail is presently working with the ASA to obtain type approval so that pole assemblies and pole top arrangements may be used as standard throughout the Sydney Trains network.

New home for ASA Website

As part of TfNSW's commitment to become more accessible to our customers and stakeholders, our content will shift to a new home:

www.transport.nsw.gov.au

All of our content will soon be available via an improved user experience. Information is easier to navigate, with more relevant content from across Transport for NSW located in one place.

The redesign of the website is based on extensive customer and stakeholder research. A key finding was that grouping by business area rather than core function or area of expertise made it easier to navigate.

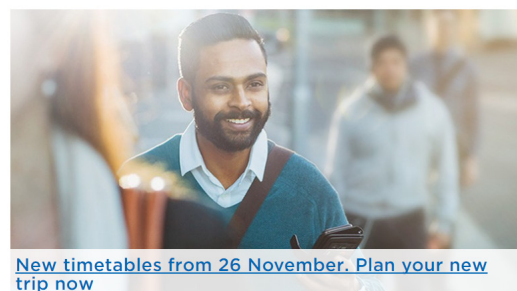
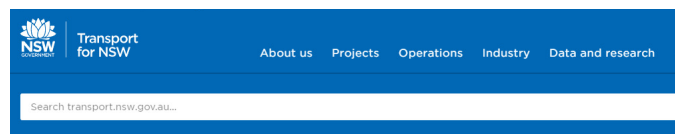
To use the new search function for ASA standards, go to Home / Operations / Standards and accreditation

To see how we've made it easier to find the right AEO for the job, go to Home / Operations / AEO

To know what's coming up in ASA events and to find materials from events gone by, go to Home / News and events / Events

If you have any feedback on the new integrated website please email

ASAEngage@transport.nsw.gov.au



[New timetables from 26 November. Plan your new trip now](#)

Right now we're delivering the largest transport infrastructure program this nation has ever seen - \$41.5 billion of investment for game-changing projects like Sydney Metro and Sydney Light Rail that will shape our cities, centres and communities for generations to come.

[New Transport for NSW website](#)

In focus

[Don't forget your Graduated Licenses start soon](#)

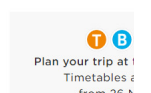
15 Nov 2017

[Transport Disabil and Subsidies](#)

Have your say on the Incentives and Subsidies paper.

[Timetables are out November](#)

25 Oct 2017



Recent TfNSW industry briefings

In August, Roads & Maritime (RMS) spoke to over 200 industry partners at their annual Major Projects forum. Some of their current programs include Bridges for the Bush, Easing Sydney Congestion, WestConnex, and Central Coast Roads. For a comprehensive list of projects, please visit: <http://www.rms.nsw.gov.au/documents/business-industry/major-projects/forward-work-plan.pdf>

An industry briefing for the Parramatta Light Rail (PLR) in August was attended by more than 500 companies interested in working to deliver the light rail network and supporting infrastructure. This session outlined the four contracts to be procured for Stage 1 of the Project:

- Remediation of land to be used as the site for the light rail stabling and maintenance facility
- Enabling works including adjustments to the road network, stormwater drainage and utilities relocation, urban design and landscaping
- Design and construction of the light rail network
- Supply light rail vehicles; operate and maintain the light rail system and vehicles.

A copy of the industry briefing brochure can be found here:

<http://data.parramattalightrail.nsw.gov.au/s3fs-public/ParramattaLightRailIndustryBriefing2017.pdf>



Minister Andrew Constance at PLR briefing

In September, a briefing was held for industry partners to explore the projects for Infrastructure and Services, Sydney Trains and NSW TrainLink.

Some of their current programs include the Intercity Fleet, Transport Access Program and Metro Bus & Ferry Planning & Development. For a full list of projects, see <https://www.transport.nsw.gov.au/system/files/media/documents/2017/2017-transport-industry-pipeline-brochure.PDF>

In November, a briefing was held to update industry on the Sydney Metro City & Southwest project - extending the Sydney Metro from Chatswood through the Sydney CBD and on to Bankstown. The event also introduced Sydney Metro West, a new underground metro railway linking the Parramatta and Sydney CBDs.

A copy of the industry briefing brochure can be found here: <https://www.sydneymetro.info/sites/default/files/Sydney%20Metro%20City%20%26%20Southwest%20Industry%20Briefing%20Update%20November%202017.pdf>



What's next for Future Transport?

With the recent publication of the Future Transport 2056 draft strategy, industry stakeholders and the public were invited to have a say and 'react to the future'.

Future Transport 2056 is a ground-breaking new transport vision for NSW. For the first time, it moves away from a printed document rewritten every five years to an online document regularly updated to focus on the decisions we need to make now to help us prepare for the big changes across the State over the next 40 years.

The public was given until 3 December to give qualitative feedback by submitting a proposal, leave comments and reactions via the website, or talk to the Future Transport Roadshow team in one of the 32 regional and metro locations around NSW that were visited.

Submissions and comments are currently being collated and analysed. There have already been inter-departmental workshops held to discuss the emerging themes from the feedback.

If you'd like to know more, there's additional information on the Future Transport website. www.futuretransport.nsw.gov.au

AEO Community of Practice #4

In October, the ASA hosted the fourth in their series of AEO Community of Practice (CoP) sessions. Representatives from the TfNSW cluster and industry partners attended to discuss two main themes:

- How and why balancing asset assurance and project cost typically impacts on value-for-money; and
- What the implications are for project delivery in assuring the safety of our assets.

Within these themes, the following contributing factors were discussed:

- Effect of time pressures on delivery
- Risk costing and allocation
- Role and categorisation of stakeholders
- Aligning the understanding of project requirements and expectations
- Working more cohesively to encourage intelligent compliance and deliver assets in consideration of through-life costs

Sessions such as these are critical to advancing AEO performance, TfNSW outcomes and ASA objectives. This session provided insights for infrastructure buyers and the supply chain on how they can improve the treatment of risk and the elimination of over-engineering assets.

ASA Christmas shutdown

The ASA offices will be closed from **27 December to 5 January**. If you are unable to contact your facilitator during January, please contact Gary Spencer for audit and compliance matters on 9422 7079 or 0403 827 455, or Oleg Bondarenko for authorisation matters on 9422 7725 or 0403 827 407.



AEO CoP - October 2017

Competency update

Work continues on moving TfNSW more broadly into the Rail Industry Worker (RIW) program. We are working with the Australasian Rail Association (ARA) and its member rail operators and contractors to align as much as possible with the existing competency requirements in the RIW program. There are two significant pieces of work taking place currently relating to the program:

1. The ARA contract with Pegasus expires next year and we are all looking at an open tender for other companies to bid to provide transparency of pricing and capability in the industry.
2. All of the current national competency matrices are being reviewed in a working group by all rail operators on 11th December to determine their suitability, practicality, functionality and clarity.

If you require any further information or have any input you would like to suggest for any of the above, please email us on:

asacompetency@transport.nsw.gov.au

AAM | ABERGELDIE | AW EDWARDS | ACCIONA INFRASTRUCTURE | AECOM | AEOEP | ALLIANCE
POWER AND DATA | ALSTOM GRID | ALSTOM TRANSPORT | ALTRAN UK | AMOG CONSULTING | AMS
PROJECT TEAM | ANSALDO STS | ARCADIS | ARCHITECTUS SYDNEY | ARENCO | ARUP | ATKINS
GLOBAL | AURECON | BECA | BOLEH CONSULTING | BROADSPECTRUM | BROOKFIELD MULTIPLEX |
BROOKFIELD MULTIPLEX ENGINEERING & INFRASTRUCTURE | CALDIS COOK | CALIBRE GLOBAL | CARDNO |
CERTIFER | COFFEY | COLEMAN RAIL | CONSTRUCCIONES Y AUXILIAR DE FERROCARRILES SA | CPB CONTRACTORS
| DEGNAN CONSTRUCTIONS | DEGOTARDI SMITH AND PARTNERS | DESIGNINC SYDNEY | DOWNER INFRASTRUCTURE
| DOWNER RAIL | ENDEAVOUR ENERGY | ENSTRUCT | EPS GROUP | FAIVELEY TRANSPORT | FERROVIAL
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O'ROURKE | LENDLEASE | LEWIS DUNNINGS | LINDSAY DYNAN CONSULTING | LOCATERS PTY LTD | LYCOPodium
INFRASTRUCTURE PTY LTD | MCCONNELL DOWELL | MMCKENZIE GROUP CONSULTING | METWEST | MGB |
MITSUBISHI ELECTRIC | MOTT MACDONALD | MTR AUSTRALIA | MWH GLOBAL | NETWORK RAIL | NORMAN DISNEY & YOUNG
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SYDNEY TRAINS | SYSTRA SCOTT LISTER | TCQ CONSTRUCTION | THALES GROUP | TRANSDEV SYDNEY | TYCO PROJECTS
| UGL ENGINEERING | UGL RAIL SERVICES | UGL UNIPART | WABTEC | WORLEY PARSONS | WSP BUILDINGS | ZINFRA