Transport for NSW Technically Assured Organisation (TAO) Industry Briefing

Asset Management Branch

7 Dec 2023









Housekeeping



Raise your hand

Camera off



Q&A is available after the presentation



Information session

Pack will be circulated

Purpose

Annual Industry Briefing on TAO

This year our focus has been on improving the TSA Framework and TAO Scheme by addressing key strategic themes.

Today we will:

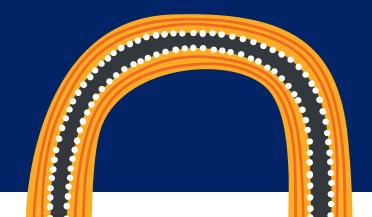
- Report back on progress against our priorities for 2023
 - o provide an overview of changes to the TSA Framework and TAO Scheme
 - provide an update on progress with TAO maturity profiles
 - provide an update on activities to move Transport towards a single multi-modal scheme
- Provide a preview of the potential areas for improvement in 2024

Where we have come from

Reflection on our journey from 2020 to now

John Hardwick

Executive Director Asset Management Safety Environment and Regulation Transport for NSW



Technical assurance at Transport

The standard set in NSW is based on international practice

Technical Supplier
Assurance and the TAO
Scheme uphold the
current standard used in
Europe and the UK



Our approach is to use an accreditation process and delegate technical authority



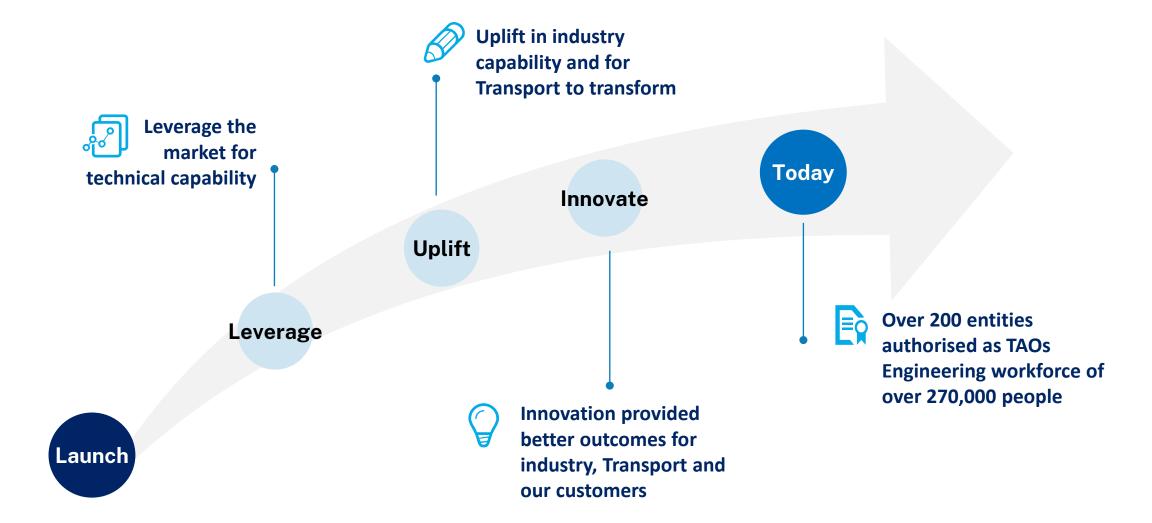
The TAO Scheme has been validated by many external and independent sources



Our approach is recognised across Australia

Our journey over the last 10 years

Transport technical authorisation approach for rail launched in 2013

















warringtonfire

RGB Assurance Pty Ltd











architectus**







willow





































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3SJM Rail















mirvac





























NEW ERA



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GeoStudio



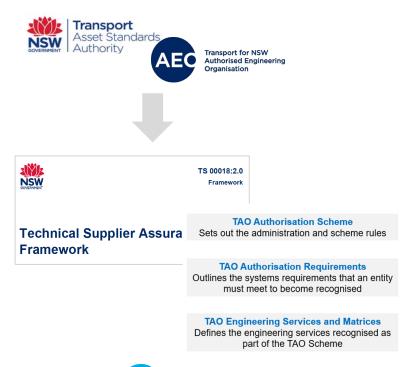


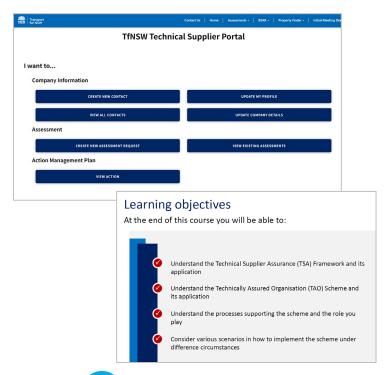


Collaborative approach to improvement

In the last three years we have embedded a continuous improvement approach









Phase 1 - 2020
Listened to Transport
and Industry



Phase 2 - 2021
AEO retired and TAO
established



Phase 3 - 2022 Continual improvement

Changes for 2023

Summary of progress made and improvements being released

Kim Appleby

Director Supplier Assurance & Engagement Safety Environment and Regulation Transport for NSW

Industry priorities for 2023

Your feedback helped us identify key strategic priorities



Key themes

- 1. Process improvement
- 2. Multi-modal
- 3. Diversification of suppliers
- 4. Simplification

Authorisation process

Recognition & Performance

Maturity ratings

TAO Matrix

What has been achieved in 2023?

This year we have taken a strategic continual improvement approach focused on getting supplier assurance right for rail with a view towards a single scheme













TSA Framework and TAO Scheme



Updated TSA Framework

A review of the TSA Framework has been completed this year

New principle: Enable Innovation

TAO coverage for entities carrying out technical Asset Steward activities

TAO requirement for technical due diligence

Note: Definition of technical due diligence is subject to further review and will be confirmed in a future release.

Clarity on system integration related assurance

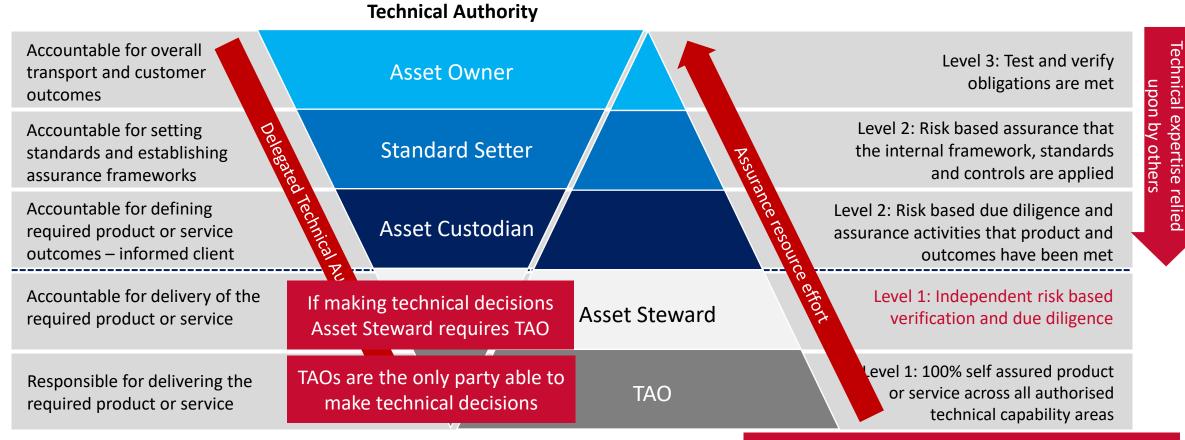
Guidance on framework application for non-mandatory modes

Updated references, process description and terminology

Reinforce TAO's obligation of self-assurance

Asset Steward and Due Diligence Changes

These changes achieve the same capability/competency standard for all technical assurance activities enabling them to be relied upon.



Assurance Effort

To achieve the same capability/competency standard for technical assurance activities

Transition Period

There will be a transition period for the new requirement for Asset Stewards and Technical Due Diligence accreditation.

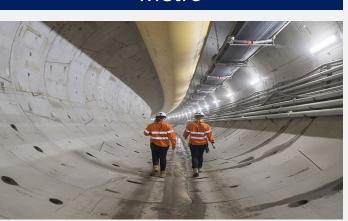
Light Rail



Heavy Rail



Metro

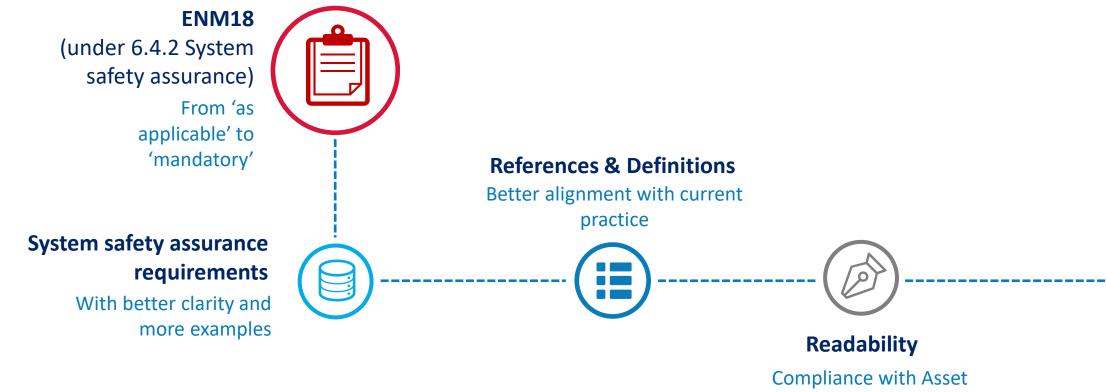


- There is a transition period for the requirement for Asset Stewards and Technical Due Diligence functions to become accredited. This will be either one year or upon contract renewal.
- During the first six months of the transition period, the details for Technical Due Diligence will be worked through within Transport. Once formalised further advice will be provided to assist with applications to become accredited.

TAO Authorisation Requirements

Minor amendments have been made to requirements and guidance

Collaboratively reviewed a total of 60 stakeholder comments

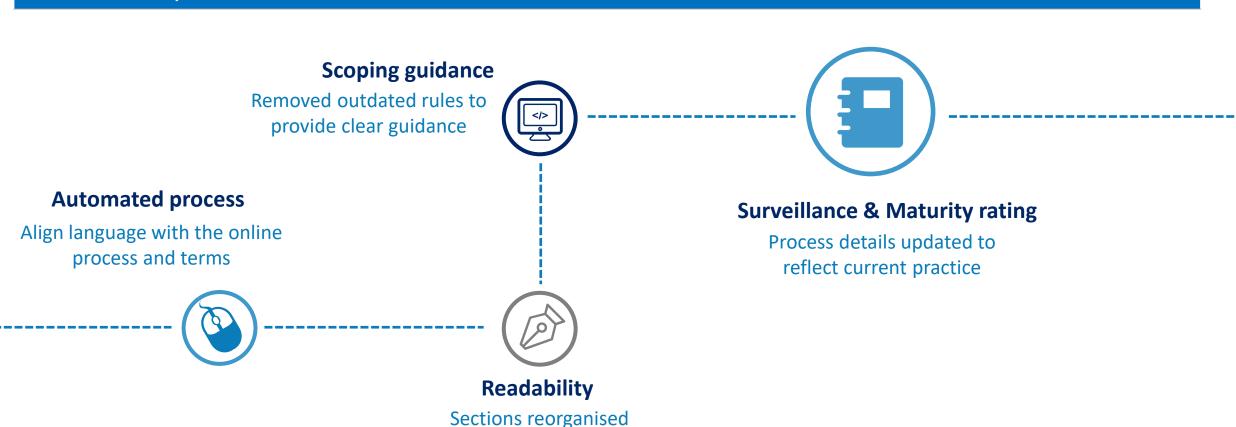


Standards Style Manual

TAO Authorisation Scheme

Minor amendments have been made to the scheme document

Collaboratively reviewed a total of 94 stakeholder comments



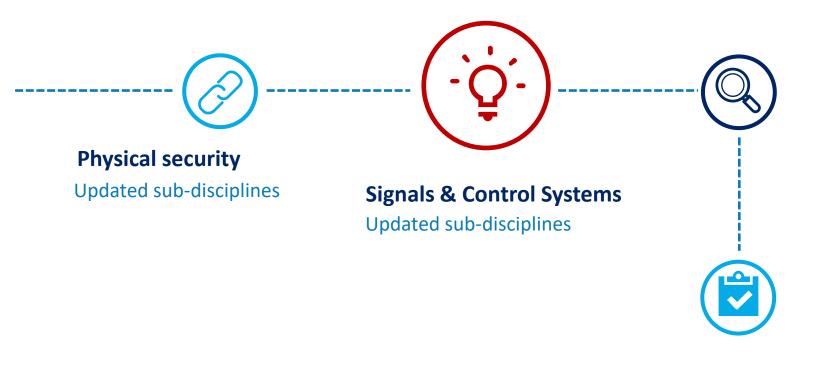
and editorial updates

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TAO Engineering Services

Amendments have been made to the engineering services

Collaboratively reviewed a total of 120 stakeholder comments



Service Overlap

Removed overlaps in Fire and Life Safety, Building Acoustics

Enhanced Service Description

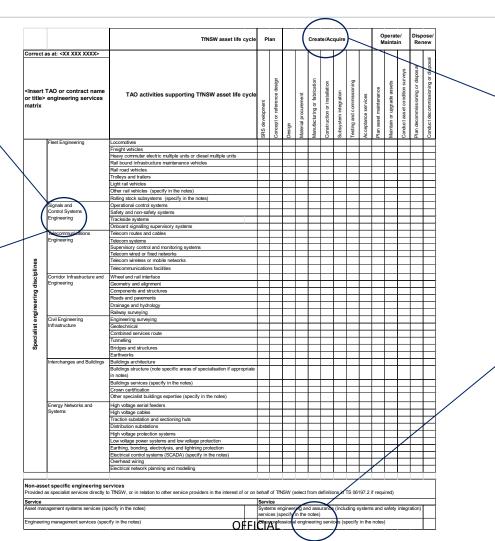
Such as Engineering Management, Systems Assurance, ISA, Config management and so on

TAO Engineering Services Matrix

Updates have been made in the matrix

Renamed three sub-disciplines under Signals

Separated
'Onboard
systems' from
'Rolling Stock
subsystems' to
be a subdiscipline under
Signals



Swapped order of 'create' and 'acquire'

Updated subdisciplines under 'Protective security – physical security' (PS1 to PS4)

When does it mean?

Change management after suite publication

Companies involved Companies currently **Existing TAOs** Current applicants New applicants in procurement working for Transport activities All current matrix will Application and The Portal will be The arrangements The current be re-issued with the assessment will developed to reflect under your current procurement process the new matrix in early new template by contract will remain in continue as is will remain in place. 30 March 2024. on the Portal. 2024. place. Any crossover in use of different matrices A mapping will be Before that. **Upon** assessment will be managed via a applied for TAOs that completion, authorised applications involving mapping process. are authorised in the areas will be published impacted subimpacted subwith the new template. disciplines will be disciplines. discussed with your Authorisation No reassessment. Facilitator to agree on the approach. OFFICIAL

TAO Scheme updates to be published on 8 December

TSA Framework	TAO Scheme Documentation Suite				
Technical Supplier Assurance Framework (TS 00018)	TAO Authorisation Requirements (TS 06197.1)	TAO Authorisation Scheme (TS 06197.2)	TAO Engineering Services (TS 06197.3)	TAO Engineering Services Matrix - Rail (TS 06197.4)	TAO Engineering Services Matrix - Maritime (TS 06197.5)

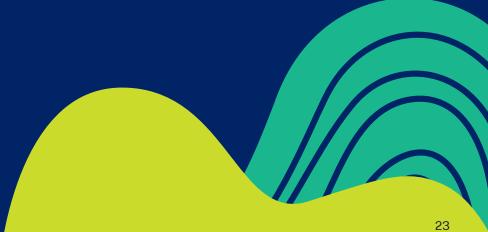
Asset Management Branch | Transport for NSW

https://www.transport.nsw.gov.au/industry/assetmanagement-branch/technical-supplier-assurance-tsaframework

TSA Training

Training is available for Transport and Industry

TAO Maturity Profile



TAO Maturity Profile Update

Available within TfNSW to assist project risk mitigation

Feedback from 2020 indicated a need for all parties in the supply chain, including TfNSW to be held to account. One initiative under this stream was to improve our approach and use of TAO maturity ratings.

This has now been developed and will be used to more effectively mitigate risks and enable conversations between suppliers and TfNSW during project delivery. It will not be used to inform procurement decisions or contract award.

All TAO maturity ratings and open action profiles will be made available within TfNSW via a power BI dashboard in mid-December 2023.

- TAO Maturity Profile each TAO's maturity ratings compared to the industry average
- Open Action Profile a listing of open actions to address scheme non-conformances

TAO Maturity Profile Update (cont'd)

Available within TfNSW to assist project risk mitigation

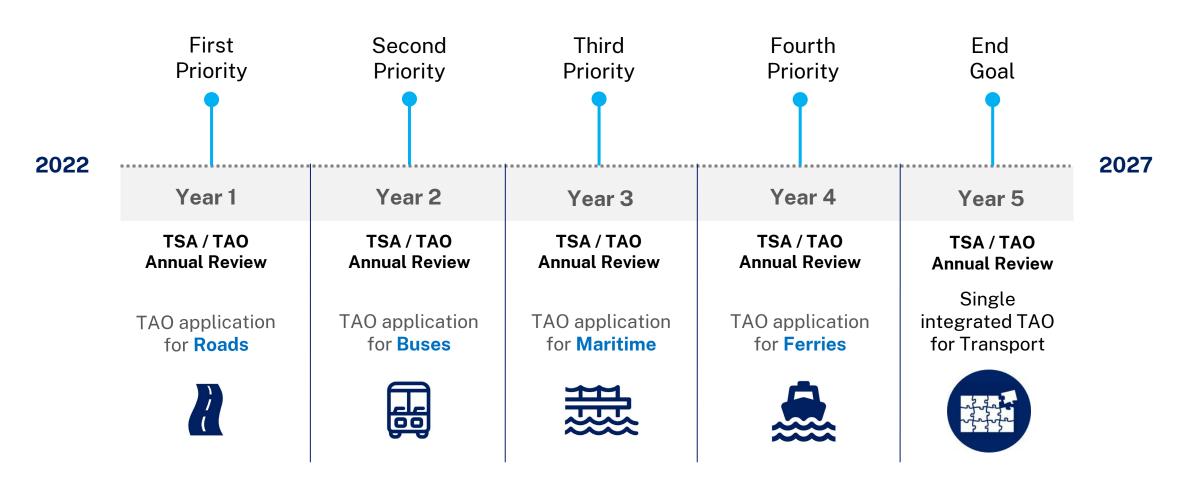
Maturity ratings are compared to Select 'Back' button for Landing Page Summary Maturity Report - Documented/Deployed Latest audit history the Industry (All and outcome is TAOs) average. available to indicate currency. ⊖ ⊖ ⊖ | | http://www.addr Detailed Maturity Report - Documented/Deployed Click 'Back' for to select 'Docum Open non-**Open Actions Report Future Plan:** conformances are TAO Name **Finding Details** To integrate with Category available to inform TAO performance risk mitigation. in project delivery

Multi-modal Scheme Update



Targeting a single multi-modal scheme

Annual release to include addition of new mode each year dependant on industry feedback. Transition associated with each mode would extend across multiple years.



Progress on development of the scheme for Roads

Continuing work is focused on the pilot assessment

In 2022

- Artefacts were drafted and are currently in trial use.
- A strategy for roll out of the scheme was drafted and socialised with
 - Divisions within Transport for NSW
 - Unions
 - Industry.
- A trial/pilot assessment with Ventia as the WHT/SHT Asset Manager commenced.

Currently

• The trial/pilot assessment with Ventia continues. This trial is currently due to be completed in early-mid 2024.

Strategic Priorities

Our focus for 2024

Industry priorities for 2024

As part of our continuous improvement in 2024 we would like to focus on 3-5 strategic priorities.

We would like your feedback on what those should be.



Transport priorities for 2024

We have some continuing strategic areas for improvement in 2024

Consideration of Maturity and **Systems** Integration Roads Performance Maintenance Due TAO Enhancements Diligence Matrix In 2024 we will be seeking more industry feedback on the practical application of the scheme.

Q&A

Thank you