

# Frequently Asked Questions

TS 01517 – Maintenance Requirements Analysis (MRA) and Technical Maintenance Plans (TMPs)

September 2025



# FAQs – Overview of role responsibilities

Role	New Asset	Existing Asset
Owner	<ul style="list-style-type: none"> <li>As articulated by Asset Owner</li> </ul>	<ul style="list-style-type: none"> <li>As articulated by Asset Owner</li> </ul>
Service Custodian	<ul style="list-style-type: none"> <li>N/A</li> </ul>	<ul style="list-style-type: none"> <li>N/A</li> </ul>
Asset Custodian	<ul style="list-style-type: none"> <li>A member of the Analysis Team for completing the MRA</li> <li>Endorses MRA to provide risk-based assurance that the relevant standards have been applied</li> <li>Endorses TMP to provide risk-based assurance that the relevant standards have been applied</li> </ul>	<ul style="list-style-type: none"> <li>A member of the Analysis Team for completing the MRA</li> <li>Endorses MRA to provide risk-based assurance that the relevant standards have been applied</li> <li>Endorses TMP to provide risk-based assurance that the relevant standards have been applied</li> <li>In consultation with the Asset Steward – Operate/Maintain and the Functional Coordinator, responsible for accepting or rejecting a claim of similarity</li> </ul>
Functional Coordinator	<ul style="list-style-type: none"> <li>A member of the Analysis Team for completing the MRA</li> <li>Endorses MRA to provide risk-based assurance that the whole of lifecycle asset outcomes have been considered and that the MRA is fit for purpose</li> <li>Endorses TMP to provide risk-based assurance that the whole of lifecycle asset outcomes have been considered and that the TMP is fit for purpose</li> </ul>	<ul style="list-style-type: none"> <li>A member of the Analysis Team for completing the MRA</li> <li>Endorses MRA to provide risk-based assurance that the whole of lifecycle asset outcomes have been considered and that the MRA is fit for purpose</li> <li>Endorses TMP to provide risk-based assurance that the whole of lifecycle asset outcomes have been considered and that the TMP is fit for purpose</li> </ul>
Asset Steward – Demand/Need	<ul style="list-style-type: none"> <li>N/A</li> </ul>	<ul style="list-style-type: none"> <li>N/A</li> </ul>
Asset Steward – Planning	<ul style="list-style-type: none"> <li>N/A</li> </ul>	<ul style="list-style-type: none"> <li>N/A</li> </ul>
Asset Steward – Delivery	<ul style="list-style-type: none"> <li>Responsible to complete the MRA</li> <li>Lead the Analysis Team for completing the MRA</li> <li>MRA approving officer</li> <li>Once endorsed by the endorsing officers, approves the MRA</li> <li>Approval of the MRA confirms that it is ready to inform development of the TMP</li> <li>Provide evidence to demonstrate claim of similarity</li> </ul>	<ul style="list-style-type: none"> <li>A member of the Analysis Team for completing the MRA</li> </ul>
Asset Steward – Operate/Maintain	<ul style="list-style-type: none"> <li>A member of the Analysis Team for completing the MRA</li> <li>Responsible for developing the TMP</li> <li>TMP approving officer</li> <li>In consultation with the Asset Custodian and the Functional Coordinator, responsible for accepting or rejecting a claim of similarity</li> </ul>	<ul style="list-style-type: none"> <li>Responsible to complete or update the MRA and develop the TMP</li> <li>Lead the Analysis Team for completing the MRA</li> <li>MRA approving officer</li> <li>Once endorsed by the endorsing officers, approves the MRA</li> <li>Approval of the MRA confirms that it is ready to inform development of the TMP</li> <li>TMP approving officer</li> <li>Provide evidence to demonstrate claim of similarity</li> </ul>

# FAQs

## Common questions

### 1. What are the key changes from the previous standard?

Key changes from the previous standards include:

New Standard (TS 01517.1-3)	Previous Standard (T MU AM 01002 MA)	Previous Standard (TS 01506.1-3)
Establishes the minimum requirements for MRA and TMP development	The MRA Manual was a guidance document on MRA and related concepts and did not include requirements	Established the process requirements for development of TMPs
Clarifies roles and responsibilities to conduct MRA and develop a TMP under the new operating model	Did not identify roles and responsibilities	Clarified roles and responsibilities under the previous operating model

### 2. What will happen to the existing MRA Manual and TMP development standard?

These will be superseded by the new standard.

### 3. Is TS 01517 standard applicable to all modes?

Yes, this standard applies to all modes. All transport assets are in scope including heritage and operational technology transport assets.

Information technology assets are out of scope. Refer to TS 00042 to determine the functional classification of technology systems.

# FAQs

## Common questions

### 4. Will TS 01517 be applied retrospectively?

No, it will not be applied retrospectively.

### 5. When does MRA need to be completed?

For all new assets, MRA shall be completed prior to approval of the approved design baseline to support development of the maintenance requirements and procedures. The requirement and timeframe for completion shall be documented in the Asset Handover Plan (see TS 01508).

For existing assets, the existing MRA is recommended to be reviewed when there is a change of either the operate or maintain Asset Steward.

### 6. What if my current project has passed the approved design baseline without completing an MRA?

The Functional Coordinator, in consultation with the Asset Custodian, will determine responsibility for completion of the MRA.

### 7. When does the TMP need to be developed and approved?

For all new assets, the TMP needs to be completed and approved prior to commissioning so that appropriate maintenance regimes are functional from the first day of operation.

### 8. What if an existing asset is in operation and does not have an MRA or TMP?

The Functional Coordinator, in consultation with the Asset Custodian, will determine responsibility for development of the MRA and if required TMP.

# FAQs

## Common questions

### 9. How do I determine who the Asset Custodian / Functional Coordinator / Asset Steward is?

For new assets, these roles will be identified in the project business case and the Asset Handover Plan. For existing assets, if in doubt, contact the Director Strategic Asset Management in the Prioritisation and Asset Management (PAM) branch.

### 10. Will a step-by-step process be developed for conducting MRA?

No, the step-by-step process will be dependent upon several factors including the type of asset and the selected software package for completing the analysis.

The MRA Facilitator requires specialist knowledge and experience in the MRA process and the selected software package and will guide the MRA Analysis team through the process.

### 11. Will there be training and change management support provided on the standard?

There will not be training specific to this standard, however PAM facilitate the Introduction to FMECA / RCM training session. Contact the Director Strategic Asset Management in PAM for further details and SME support.

### 12. Who will fund completion of the MRA and development of TMPs?

For new assets, funding will be provided in the project business case. If a business case has been approved without funding this should be escalated to the appropriate governance forum for approval.

The funding to complete MRA and / or TMPs for existing assets will depend on contractual requirements. Contact the Director Strategic Asset Management in PAM to discuss requirements.

# FAQs

## Common questions

### 13. What is considered a 'new' asset?

New assets are not limited to 'new and novel' or 'new types' but also include new or altered installations of an existing asset on the TfNSW transport network. This is because new or altered installations may have different failure modes or consequences. Completion of MRA will identify whether different preventative and corrective maintenance activities are required.

### 14. If equipment is already in use on the network, can I use the existing MRA / TMP?

The same equipment may be used under different operating conditions or in a different environment. If a claim of similarity (CoS) can be demonstrated and approved, a new MRA / TMP is not required. If a CoS is not approved, a new MRA / TMP is required.

### 15. Where can I access MRA / TMPs for existing assets?

The Asset Custodian and Asset Steward – operate or maintain should have copies of MRA / TMPs for existing assets. If in doubt on who fulfils these roles, contact the Director Strategic Asset Management in the Prioritisation and Asset Management (PAM) branch.

### 16. Do I need to complete an MRA / TMP for a new seat or replacement of a light bulb?

Yes, all transport assets used on the TfNSW transport network are in scope of TS 01517 and need to be considered within the system that they operate in.

An MRA is the process of identifying the preventative and corrective maintenance requirements to allow the asset to fulfil its intended function. An output of the MRA process may be that there are no preventative or corrective tasks required (ie no scheduled maintenance) in which case a TMP is not required.