

Standard

# Infrastructure – General – Design and Drafting

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PROUD OPERATOR OF





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## 1 PURPOSE

The purpose of this standard is to describe the general requirements for production of infrastructure design and drafting products.

## 2 SCOPE

This standard shall apply to all infrastructure design and drafting activity performed within the Melbourne Metropolitan Tram Network (MMTN).

This standard shall be used by people undertaking infrastructure design and drafting activity for Yarra Trams, including Consultants and Contractors.

When no detailed specification exists for a design or drafting product, the requirements described in this document shall be applied.

Users of this standard should also refer to and apply relevant principles and requirements from industry standards, Australian Standards, International Standards and rail industry Codes of Practice.

## 3 COMPLIANCE

This standard shall be fully complied with. Deviation from this standard is only permitted when a waiver has been sought and approved by Yarra Trams.

‘Shall’ statements are mandatory in the context of compliance with requirements stipulated in this standard.

‘Should’ statements are considerations in the context of compliance with requirements stipulated in this standard.

‘Information’ statements provide additional content for clarification purposes only and are not requirements in the context of compliance with this standard.

‘So far as is reasonably practicable’ statements shall as a minimum result in the completion of a risk assessment, including a list of proposed controls to demonstrate compliance to this standard.

Any third party or contractor undertaking activities related to the design and drafting of infrastructure for Yarra Trams shall complete and return a compliance schedule for this standard. The compliance schedule shall describe the extent of compliance for each requirement, defined by one of three permissible responses:

- Compliant;
- Partially Compliant;
- Non-Compliant.



## 4 REQUIREMENTS

### 4.1 Infrastructure Design

4.1.1 The Yarra Trams procedure EMS04 Manage Design shall be followed by all persons undertaking design for Yarra Trams, including consultants and contractors.

4.1.2 The Yarra Trams procedure EMS06 Engineering Change Management Procedure shall be followed by all persons performing infrastructure design tasks for Yarra Trams, including consultants and contractors.

*Information: Management of design activity should be considerate of design constructability, Safety in Design, RAM, Human Factors, design sustainability, single design platform, security in design, design competency and all relevant statutory requirements.*

*Information: The general principles for all design and drafting undertaken by or for Yarra Trams are described in the following:*

- Yarra Trams Manage Design procedure.
- Yarra Trams Engineering Change Management procedure.
- PTV Infrastructure Drafting standard.
- PTV Drawing Management System standard process.

### 4.2 Infrastructure Drafting

*Information: The PTV Infrastructure Drafting Standard is in two parts referred to as LEVEL 1 and LEVEL 2.*

*LEVEL 1 (Section 1 to Section 8) specifies drafting requirements applicable to all drawings regardless of the discipline.*

*LEVEL 2 covers the specific requirements for each discipline. The Tram infrastructure discipline is listed in Section 16.*

4.2.1 All drafting activities and products for Yarra Trams Infrastructure shall comply with the latest PTV Infrastructure Drafting Standard.

4.2.2 Any person performing drafting of Yarra Trams infrastructure or creating drafting products for the Yarra Trams infrastructure shall comply with all Level 1 requirements of the PTV Infrastructure Drafting Standard.

4.2.3 Any person providing drafting of Yarra Trams infrastructure or creating drafting products for the Yarra Trams infrastructure shall comply with all requirements of Level 2 Section 16 of the PTV Infrastructure Drafting Standard.

4.2.4 All infrastructure drawings for Yarra Trams shall comply with the requirements for submitting drawings to the PTV Drawing Management System (DMS) in accordance with the PTV Infrastructure Drafting Standard.

4.2.5 Any person providing drafting of Yarra Trams infrastructure shall comply with the PTV Drawing Management System Standard Process document number PTV-NTS-012:2018.



## 5 RELATED LEGISLATION & DOCUMENTS

Name	Document number
EMS04 Manage Design Procedure	CE-021-PR-0006
EMS06 Engineering Change Management Procedure	CE-021-PR-0020
PTV Infrastructure Drafting Standard	
PTV Infrastructure Drafting Standard Appendix	
PTV's Drawing Management System Standard Process	PTV-NTS-012

## 6 DOCUMENT VERSION CONTROL

Version History	Date	Detail
1.0	12 Mar 2020	Original Issue