

Standard

# OCMS - OCS - Workstation and Server Configuration

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PROUD OPERATOR OF



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## Table of Contents

1	PURPOSE.....	3
2	SCOPE .....	3
3	COMPLIANCE .....	3
4	REQUIREMENTS.....	4
4.1	Information Security Requirements.....	4
4.2	Remote Monitoring and Control.....	4
4.3	Tram Control .....	4
4.4	CCTV .....	4
4.5	Passenger Information .....	4
5	DIAGRAMS AND GUIDANCE .....	5
5.1	Relationship to Information Security Technical Standard .....	5
6	RELATED LEGISLATION & DOCUMENTS .....	5
	DOCUMENT VERSION CONTROL .....	5
	APPENDIX A – GLOSSARY .....	5



## 1 PURPOSE

The purpose of this standard is to specify the minimum requirements for the configuration of Operational Control Systems (OCS) servers and workstations at Yarra Trams.

## 2 SCOPE

The scope of this standard includes requirements for information security and incorporates configuration settings provided in Original Equipment Manufacturer (OEM)/Vendor manuals.

This standard is applicable to servers and workstations that provide services to OCS assets within the following Yarra Trams asset classes.

- Remote Monitoring and Control - SCADA
- CCTV
- Tram Control - AVM and Voice Radio
- Passenger Information - Smartguide Servers and Software

The standard is to be applied by solution architects, security advisors and technicians in the OCMS domain.

## 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 the Engineering Design Authority at Yarra Trams.

The Yarra Trams Management of Change process shall be followed in all circumstances where change is proposed to this standard.

‘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 must result in the provision of a risk assessment including proposed list of design controls to demonstrate compliance to this standard.

Any third party or contractor undertaking design activities on the Yarra Trams network shall complete and return a compliance schedule for this standard. Assessment of compliance shall be provided for each requirement, defined by one of three permissible responses:

- a) Compliant;
- b) Partially Compliant;
- c) Non-Compliant.



## 4 REQUIREMENTS

The following requirements will ensure OCS server and workstation configurations comply with current OEM documentation and current information security requirements.

### 4.1 Information Security Requirements

4.1.1 OCS software configurations shall comply with the requirements of the Yarra Trams information security management system which aligns to ISO 27001 and Victorian Protective Data Security Standards (VPDSS).

### 4.2 Remote Monitoring and Control

The standard is relevant for SCADA servers and workstations within this asset class.

4.2.1 OEM configuration documentation is required for SCADA servers and workstations.

4.2.2 SCADA server and workstation configurations shall meet the specifications of the MOSAIC software supplied and supported by CGI.

### 4.3 Tram Control

The standard is relevant for AVM and Voice radio servers and workstations within this asset class.

4.3.1 OEM configuration documentation is required for AVM servers and workstations.

4.3.2 AVM server and workstation configurations shall meet the specifications of the AVM software supplied and supported by Peracon.

4.3.3 OEM configuration documentation is required for Voice Radio servers and workstations.

4.3.4 Voice Radio server and workstation configurations shall meet the specifications of the ACOM Command and Control Software supplied and supported by Zetron.

### 4.4 CCTV

4.4.1 OEM configuration documentation is required for CCTV servers and workstations.

4.4.2 CCTV server and workstation configurations shall meet the specifications of the FLIR Latitude software supplied and supported by Q-Security.

### 4.5 Passenger Information

The standard is relevant for the servers that support the Smartguide Passenger Information Display System (PIDS) Central Control and Software asset only.

4.5.1 OEM configuration documentation is required for the server only.

4.5.2 Passenger Information Server configurations shall meet the specifications of the Smartguide Messaging System and Fault Monitoring System Software supplied and supported by Smartguide.



## 5 DIAGRAMS AND GUIDANCE

### 5.1 Relationship to Information Security Technical Standard

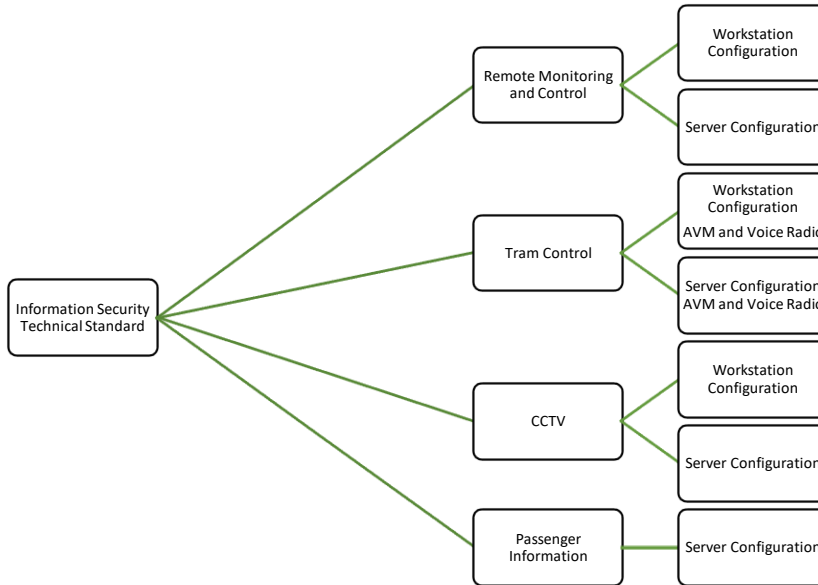


Figure 1 - Document Relationship Mapping

## 6 RELATED LEGISLATION & DOCUMENTS

Name	Document number
Victorian Protective Data Security Standards	VPDSS
Information Security Management System Standard	ISO 27001

## DOCUMENT VERSION CONTROL

Version History	Date	Detail
1.0	12 Mar 2020	Original approved issue

## APPENDIX A – GLOSSARY

Word	Definition
AVM	Automatic Vehicle Monitoring
CCTV	Closed Circuit TeleVision
OEM	Original Equipment Manufacturer
PIDS	Passenger Information Display System
SCADA	Supervisory Control And Data Acquisition



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