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Automatic Train Protection (ATP) operations documents

This information has been prepared to inform railway workers about the changes to Operational Standards required for the introduction of Automatic Train Protection (ATP) into the Sydney Trains Network

Automatic Train Protection (ATP) is a train safety system that includes equipment on trains and on the track.

To allow for ATP's introduction to use, Operational Standards have needed to be amended or added to:

- Network Rules
- Operator Specific Procedures (OSPs)
- Train Working Procedures (TWPs)
- Oscar Train Operations Manual.

This SafeTracks summarises the changes to the Operational Standards.

Network Rules

Network Rules Glossary

Entry added for Automatic Train Protection.

Entry for train stop amended to differentiate between mechanical and ATP train stops.

NWT 322 Work that affects Automatic Train Protection trackside equipment

A new document prescribing the precautions needed if work on track might affect the ATP trackside equipment.

NTR 410 Defective equipment

Section added for ATP onboard equipment.

NTR 434 Automatic train protection (ATP) onboard equipment

A new document prescribing the outcomes required when ATP is in use.

NSY 512 Manual block working

Added a requirement to give details of whether ATP train stops have been suppressed when issuing a Condition Affecting the Network (CAN) Form during CAN block working.

NSG 604 Indicators and signs

Section added to include ATP-related trackside signs: BEGIN ATP and END ATP.

OSP 05 Train Crew duties if passing a signal at STOP

Added the actions to take if an ATP train stop braked the train.

OSP 14 Train Crew or Station Staff involved in fatality or trauma

Added requirements to cut power to ATP antenna and DTRS antenna if someone is struck by a train.

OSP 15 Propelling trains

Added requirements for using Shunting mode.

OSP 16 Shunting in yards and Maintenance Centres

Added requirements for using Shunting mode.

OSP 17 Shunting vehicles with passengers on board

Added requirements for using Shunting mode.

OSP 18 Setting back at a platform

Added requirements for using Shunting mode.

OSP 20 Reporting incidents

Added faulty ATP trackside equipment to items requiring a Network Incident Notice.

OSP Definitions

Added definition for active Automatic Train Protection (ATP) equipment.

TWP 110 Train Crew relief

Added ATP startup actions.

TWP 136 Defective wheels

Added requirement to isolate ATP if using a pony bogie.

TWP 152 Disabled trains

Added requirements for ATP to be isolated in the disabled train, the ATP modes to use in the assisting train, and updating ATP train data.

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TWP 190 Automatic Train Protection

A new document covering the ATP train working procedures.

TWP 200 OSCAR List of relevant TWPs and OMETs

Added TWP 190 to the list.

TWP 201 OSCAR General information and location of isolating cocks

Added information about the isolating cocks for ATP.

TWP 203 OSCAR Changing ends

Added requirements to let ATP self-tests complete and updating ATP train data.

TWP 204 OSCAR Division and amalgamation

Added requirements for using Shunting mode and updating ATP train data.

TWP 214 OSCAR Loss of brake pipe air pressure

Added ATP as a possible cause.

TWP 216 OSCAR Driver safety system failure

Added requirements to manage ATP if a Driver safety system isolating cock is closed.

TWP 217 OSCAR Train operating system display unit failure

Amended to allow for just one TOS display unit in each cab, and added ATP as a monitored system.

TWP 221 OSCAR Defective brakes

Added requirement to update ATP train data.

TWP 233 OSCAR Control circuit failures

Amended to allow for just one TOS display unit in each cab.

TWP 240 OSCAR Assisting OSCAR trains using the multifunction coupler

Added requirements for ATP to be isolated in the disabled train, the ATP modes to use in the assisting train, and updating ATP train data.

TWP 241 OSCAR Assisting OSCAR trains using the transition coupler

Added requirements for ATP to be isolated in the disabled train, the ATP modes to use in the assisting train, and updating ATP train data.

TWP 246 OSCAR Automatic Train Protection (ATP)

A new document giving the procedures specific to Oscar trains.

OMET 350 OSCAR Operation and Management of Electric Trains – Standards

Standard added for ATP, and standards amended for speedometer and Drivers display unit.



See online for all
Safeworking information

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