

Metro Trains Melbourne	OPERATIONAL INTERFACE PROCEDURES	Document No
Author: General Manager - Operations Services	Revision: 02	Pages 1 of 9

Metro Trains Melbourne Pty Ltd

Operational Interface Procedures

June 2011

Pacific National Pty Ltd

Australian Rail Track Corporation Limited (ARTC)

CountryLink

V/Line Pty Ltd

AssetCo Management Pty Ltd

A.R.H.S. (ACT Branch)

N.S.W. Rail Transport Museum

El ZorroTransport Pty Ltd

VicTrack

Metro Trains Melbourne	OPERATIONAL INTERFACE PROCEDURES	Document No
Author: Chief Operating Officer	Revision: 02	Pages 2 of 9

Table of contents

1.0 PURPOSE	3
2.0 REFERENCES	4
3.0 DEFINITIONS	4
3.1 INTERFACE LOCATIONS:	4
3.2 DEFINITION SAFEWORKING SYSTEMS:	5
3.3 INTERFACE LOCATION SAFEWORKING SYSTEMS:	5
3.4 VARIATION TO SCHEDULE	5
3.5 NOTIFICATION LOCATION.....	<u>5</u>
4.0 GENERAL PROCESS	6
4.1 RULES AND OPERATING PROCEDURES.....	6
4.2 INCIDENT MANAGEMENT	6
4.2.1 PARALLEL LINE OPERATIONS.....	6
4.3 TRAIN CONTROLLERS (METROL).....	6
4.4 TRAIN CONTROLLERS (CENTROL).....	<u>6</u>
4.5 INTERFACE LOCATION SIGNALLERS.....	7
4.6 NON URBAN TRAIN DRIVERS	7
4.7 ROLLING STOCK ENTERING MTM NETWORK	7
5.0 LOCATION SPECIFIC REQUIREMENTS	8
5.1 SOUTHERN CROSS NO 1	8
5.1.1 TRAIN CONTROLLERS (ARTC).....	8
5.1.1.1 TRAINS DEPARTING SOUTHERN CROSS.....	8
5.1.1.2 TRAINS DEPARTING SOUTHERN CROSS.....	8
5.2 FRANKSTON – STONY POINT – LONG ISLAND.....	<u>ERROR! BOOKMARK NOT DEFINED.</u>
5.3 WEST TOWER	8
5.4 BROADMEADOWS – CRAIGIEBURN.....	<u>8</u>
5.4.1 TRAIN CONTROL	9
5.4.2 EMERGENCY MANAGEMENT	<u>ERROR! BOOKMARK NOT DEFINED.</u>
5.4.3 GENERAL	<u>ERROR! BOOKMARK NOT DEFINED.</u>

Metro Trains Melbourne	OPERATIONAL INTERFACE PROCEDURES	Document No
Author: Chief Operating Officer	Revision: 02	Pages 3 of 9

1.0 PURPOSE

To provide documented process for responsibility associated with each interface operator which is allowed access into the MTM rail network and also conform to the Interface Coordination requirements for AS4292.3 Section 2.

Signatories of this Work Instruction;

Mr Craig Sparrius
 Manager, Network Strategy &
 Scheduling
 Metro Trains Melbourne Pty Ltd

Mr Wayne Walsh
 General Manager Current Operations
 Metro Trains Melbourne Pty Ltd

Mr. Les Branch
 State Operations Manager (Vic)
 El Zorro Transport Pty Ltd

Mr Simon Gray
 GM Risk and Compliance
 Australian Rail Track Corporation Limited

Mr. Geoff Arthur
 General Manager Operations
 V/Line Pty Ltd

Mr. Ian Hodges
 Operations Manager
 CountryLink Train & Coach Services
 RailCorp

Mr Jose Martinez
 Customer Logistics Manager
 Pacific National Pty Ltd

Mr. Steven Richardson
 Train Planning Manager
 Pacific National Pty Ltd

Mr Daniel Page
 Tour Operations Manager
 NSW Transport Museum

Mr. Kerry Mellor
 Manager Operations
 A.R.H.S (ACT Branch)

Mr Steven Roberts
 Manager Network Infrastructure
 Services
 VicTrack

Mr Chris Hedley
 General Manager
 AssetCo Management Pty Ltd

Metro Trains Melbourne	OPERATIONAL INTERFACE PROCEDURES	Document No
Author: Chief Operating Officer	Revision: 02	Pages 4 of 9

2.0 REFERENCES

- (PTC) Book of Rules and Operating Procedures 1994
- Metropolitan Train Operating Protocol
- Access Agreements between MTM and Train Operators for access to the MTM network.
- Signalling/ Control Services Agreement MTM – Vline.
- Operational Interface Procedure – Manor Loop to Melbourne (ARTC - TA 48)
- Interface Agreement – Operation of Movements at Somerton (ARTC IA 12)
- The ARTC Code of Practice for Victorian Mainline Operations (ARTC TA 20)
- Vline Interface Co-ordination Plans [ICPs] with MTM.

3.0 DEFINITIONS

3.1 Interface locations:

Jacana and Albion: The junctions of the B/G line between the locations.

Craigieburn [Summer Hill road PCR] **At 29.8 km**

Inner Suburban area: (defined as the area on the “Up” side of North Melbourne, Richmond and Jolimont stations)

Newport: (interface of Standard gauge, includes East and West Goods Lines from Brooklyn)

Pakenham: **The mainlines to and from the Latrobe corridor.**

Southern Cross No 1: (includes ARTC interface)

Sunshine: (includes **mainlines to and from Ballarat**, and the Brooklyn and Tottenham goods line interfaces)

Sunbury: **The mainlines to and from the Bendigo corridor.**

West Tower: (includes Southern Cross, North Melbourne and South Kensington interfaces)

Werribee: **The mainlines to and from the Geelong corridor.**

Metro Trains Melbourne	OPERATIONAL INTERFACE PROCEDURES	Document No
Author: Chief Operating Officer	Revision: 02	Pages 5 of 9

3.2 Definition safeworking systems:

- ABS** Automatic Block Signalling
- AES** Automatic Electric Staff
- ATC** Automatic Track Control
- CTC** Centralised Traffic Control
- DLB** Double Line Block
- ES** Electric Staff
- TB** Track Block

3.3 Interface location safeworking systems:

- Werribee:** ATC
- Newport:** ATC / ABS / CTC / TB
- Sunshine:** ATC / ABS / CTC / TB
- Sunbury:** ABS / ABS
- Broadmeadows:** DLB / ABS / CTC
- Craigieburn:** DLB / ABS
- Pakenham:** ABS
- Southern Cross No 1:** ABS
- West Tower:** ABS

3.4 Variation to schedule

Any train running three (3) minutes or more outside its scheduled path as defined by the Network Service Plan or Metropolitan Daily Timetable.

3.5 Notification location

As defined by the Network Service Plan, notification locations at which all "Up" direction train variations of three (3) minutes or more outside a train's scheduled path are required to be reported. These locations are;

Metro Trains Melbourne	OPERATIONAL INTERFACE PROCEDURES	Document No
Author: General Manager - Operations Services	Revision: 02	Pages 6 of 9

- Lara
- Rockbank
- Garfield
- Wallan
- Sunbury

4.0 GENERAL PROCESS

4.1 Rules and Operating Procedures

All train movements over the interface areas shall be operated in accordance with the (PTC) Book of Rules and Operating Procedures 1994 and ARTC's TA20 for the defined interstate rail network.

4.2 Train service monitoring

In monitoring approaching trains Signallers should utilise all available indications and devices which will indicate train-running variances. This includes, but is not limited to, remote location panels, double line block instrument bell communications (ie. departure bells or late requests for line clear), telephone communications with adjoining signalling locations, Train Describer bells etc.]

4.2.1 Parallel line operations

MTM, ARTC and VLP Train Control Centres shall communicate with each other with regard to incident management and ensure that the affected organisation(s) are advised of any incidents involving these organisations or disruption to the normal Broad Gauge – Standard Gauge parallel line operations.

4.3 Train Controllers (Metrol)

On being advised by the Signaller at an interface location of variations to schedule in excess of three minutes the Train Controller is to consider possible clashes of train pathways and advise the Signaller concerned of the required train priority at that location. Train Controllers when assessing train pathway priorities for interface locations are to be guided by the procedures set out in the Metropolitan Train Operating Protocol.

Train Controllers are to notify Train Controllers (Centrol) of service disruptions or delays that will impact on services that will cross between the two Train Control boundaries.

4.4 Train Controllers (Centrol)

On being advised of variations to schedule in excess of three minutes the Train Controller is to notify the relevant interface location Signaller and advice of the known variance.

Subsequent variations are also to be reported, whether positive or negative variances. Additional train reporting information (i.e. Signallers reporting) should also be utilised when initially advising interface locations of variations to schedule or updating prior notification.

Metro Trains Melbourne	OPERATIONAL INTERFACE PROCEDURES	Document No
Author: Chief Operating Officer	Revision: 02	Pages 7 of 9

The Train Controller (Control) prior to allowing any freight train or track machine to approach the MTM rail network is to confer with and obtain the appropriate train pathways from the train Controller Metrol and ARTC (Newport-Brooklyn-Tottenham Yard) to ensure no pathway conflicts exist.

Comprehensive train loading details (include consist, tonnage, length, presence of dangerous goods, etc) must be provided with the request for a pathway.

The Train Controller (Control) in conjunction with ARTC Adelaide will advise the Signaller West Tower concerning the precedence of broad gauge train movements between Newport- Brooklyn- Sunshine and Tottenham Yard.

4.5 Interface location Signallers

The Train Controller (Control) will advise signallers of any schedule variations for approaching trains. Upon being advised of train schedule variations Signallers must notify the Train Controller (Metrol) and advise if such variation to schedule may cause a conflict of train pathways.

The Train Controller (Metrol) will consider and advise the Signaller of train running priorities. Signallers are to monitor their signal control panels, block instruments (see note) or other communications advise and contact the Train Controller (Metrol) if there is any variation to scheduled train running or discrepancy to previous advice of schedule variation.

Signallers must confer with the Train Controller (Metrol) to obtain a pathway for all non-passenger trains or track machines entering the MTM rail network. This action is required regardless of whether a train or track machine is running to its scheduled time or not. Signallers must confer with the Train Controller (Metrol) to obtain a pathway for all passenger trains that are not running to schedule.

4.6 Non Urban Train Drivers

Non Urban Train Drivers are to notify Train Control (Control) of variations to schedule in excess of three minutes at all times.

4.7 Rolling Stock entering MTM Network

All accredited operators must abide by the MTM Addenda relating to Rolling Stock accredited to operate on the MTM network as approved by the Technical Services Manager. Any vehicle not listed in the MTM Addenda is not permitted to operate on MTM leased tracks without being authorised by the appropriate circular and jointly by the Manager Rolling Stock and Technical Services Manager.

Metro Trains Melbourne	OPERATIONAL INTERFACE PROCEDURES	Document No
Author: Chief Operating Officer	Revision: 02	Pages 8 of 9

5.0 LOCATION SPECIFIC REQUIREMENTS

5.1 Southern Cross No 1

The Train Controller (Metrol) is to be informed of known delays to train departures (i.e. where scheduled pathways will not be met) as soon as practicable after becoming aware of such delays.

Also see "(Train Controller, ARTC)"

5.1.1 Train Controllers (ARTC)

5.1.1.1 Trains departing Southern Cross

Train Controllers must confer with the Signaller at Southern Cross No 1 to advise of variations to schedule in excess of three minutes. The Signaller Southern Cross No 1 is then required to negotiate a pathway for the train with the Train Controller (Metrol) if a pathway conflict exists.

5.1.1.2 Trains departing Southern Cross

If the Signaller at Southern Cross No 1 is aware of a delayed departure toward the ARTC network the Train Controllers (ARTC) is to be informed. If delayed arrivals or departures cause a conflict of pathways at the interface location the Train Controller (Metrol) is to be contacted to determine and advise of the priority for train movements at that location.

The interface arrangement at Southern Cross is intended to apply to all service operators using the ARTC network, including but not limited to, Country Link, GSR and SSR. Also see "Train Controller (Centrol)".

5.2 West Tower

Signallers must request pathways from the Train Controller (Metrol) for all movements that require an entry onto the MTM rail network (excluding scheduled movements to and from Melbourne Yard Stabling Sidings or Wash plant movements).

The Train Controller (Metrol) is to be informed of known delays to train departures (ie. where scheduled pathways will not be met) as soon as practicable after becoming aware of such delays. The Train Controllers (Centrol and ARTC) will liaise with the Signaller West Tower concerning the precedence of broad gauge train movements between Newport-Brooklyn-Sunshine and Tottenham Yard.

5.3 Craigieburn

MTM is responsible for the broad gauge main line track and signal infrastructure as far as Summerhill Road PCR on the down side of Craigieburn.

Metro Trains Melbourne	OPERATIONAL INTERFACE PROCEDURES	Document No
Author: Chief Operating Officer	Revision: 02	Pages 9 of 9

5.3.1 Train Control

The method of train operation over that section of line will be under the direction of the Train Controller (Metrol)