

Route Access Condition Notice

20-0005

Distributed To:	ARTC Website
Distribution Date:	20/04/2020
Requested By:	ARTC
Subject:	ATMS commissioning
Effective Period:	Until Published
Amendment Type:	Permanent (to be added to RAS)

Note: Permanent Route Access Condition Notices (RACN) are periodically updated in the ARTC Route Access Standard (RAS), at which time the relevant RACN is withdrawn.

<u>RAS Reference:</u>			
Section:	General Information	Version No.:	2.0
		Page/s:	23 & 26
<u>ARTC Network Location:</u>			
Spencer Junction to Whyalla			

Details: This RACN details the changes to the general information for the commissioning of the ATMS
 SPENCER JUNCTION TO WHYALLA
 INTRODUCTION OF ATMS SAFEWORKING
 Upon completion of commissioning activities, the following signalling infrastructure will apply:
 On Thursday 16 July 2020, the Train Order Working System of Safeworking between Spencer Junction and Whyalla will be booked out of use and decommissioned, the Advanced Train Management System (ATMS) of Safeworking will be booked into use and commissioned in accordance with ATMS published Operating Rules and Procedures.
 All signage pertaining to Start and End of Train Order Working located at 95.837km and 163.500km, will be booked out of use and permanently removed.
 - ELECTRONIC AUTHORITY SYSTEMS (EAS) safeworking signage as per the ARTC Code of Practice 3.1.4 and ARTC Electronic Authority - Advanced Train Management System Addendum to the Code of Practice reference section 3.2 will be installed at the following locations.
 SPENCER JUNCTION

 New BEGIN ATMS Mapped Track Sign will be installed at: -
 94.837km between the SPENCER JCT mainline and crossing loop.
 New END ATMS Mapped Track Sign will be installed at: -
 94.837km adjacent to the SPENCER JCT mainline.
 New BEGIN ATMS Mapped Track Sign will be installed at: -
 95.086km attached to Absolute Signal 41.
 New END ATMS Mapped Track Sign will be installed at: -
 95.086km attached to Absolute Signal 41.
 New BEGIN ATMS Territory signage and Control Point Sign No. 51 will be installed at: -
 95.837km adjacent to Absolute Signal 51.
 New END ATMS Territory signage and Control Point Sign No. 52 will be installed at: -
 95.837km adjacent to Absolute Signal 52.
 LINCOLN GAP

New Control Point Sign No. 1 will be located at 121.500 km under the existing Lincoln Gap Control Block Point signage for movements heading South towards Whyalla.

New Control Point Sign No. 2 will be located at 121.500 km under the existing Lincoln Gap Control Block Point signage for movements heading North towards Spencer Junction.

ROOPENA

New Control Point Sign No. 3 will be located at 142.131 km under the existing Roopena North End Yard Limit signage.
(double sided)

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New Control Point Sign No. 4 will be located at 142.309 km at the existing Clearance Point on the main line.

New Control Point Sign No. 4E will be located at 142.309 km at the existing Clearance Point on the crossing loop.

New Control Point Sign No. 23 will be located at 144.150 km at the existing Clearance Point on the main line.

New Control Point Sign No. 23E will be located at 144.150 km at the existing Clearance Point on the crossing loop.

New Control Point Sign No.24 will be located at 144.331 km under the existing Roopena South End Yard Limit signage.

(double sided).

Existing Light Indicators at Roopena will remain in service and display indications as per the ARTC Addendum to the Code of Practice Section 14 - Light Indicators.

The normal state of the Light Indicators display will be a Red indication unless the points have an ATMS authority issued over them.

No. 7 and 20 points at Roopena will be operated under ATMS control by the Network Controller located at NCCW. The Self

Restoring functionality on No. 7 and 20 points will be booked out of use and permanently removed.

WHYALLA

New END ATMS Territory signage and Control Point Sign No. 1 will be installed at: - 163.500km under the existing Whyalla Yard Limit signage for movements heading South towards Whyalla.

New BEGIN ATMS Territory signage and Control Point Sign No. 2 will be installed at: - 163.500km under the existing Whyalla Yard Limit signage for movements heading North towards Spencer Junction.

New END ATMS Mapped Track Sign will be installed at: - 165.000km in the One Rail yard for movements heading South towards Whyalla.

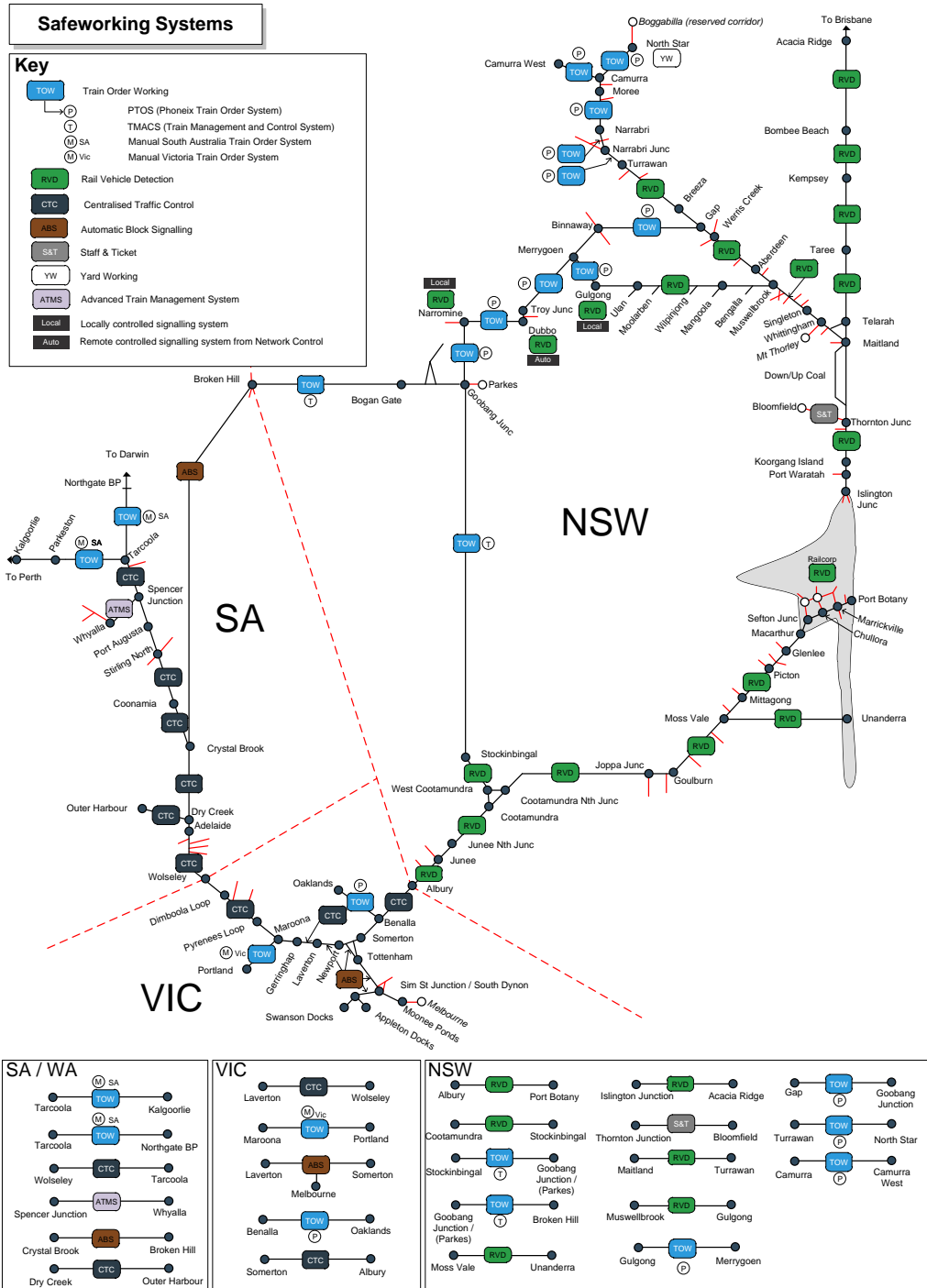
New BEGIN ATMS Mapped Track Sign will be installed at: - 165.000km in the One Rail yard for movements heading North towards Spencer Junction.
SPENCER JUNCTION to TENT HILL Section

New END ATMS Mapped Track Sign will be installed at: - 95.405km adjacent to the TARCOOLA mainline for movements heading west towards Tarcoola.

New BEGIN ATMS Mapped Track Sign will be installed at: - 95.405km adjacent to the TARCOOLA mainline for movements heading east towards Spencer Junction.

2.11 ARTC Safeworking Systems

The Network Controller oversees the day-to-day operational control of safeworking systems. Network Controllers operate from Network Control Centres located at Mile End, Broadmeadow and Junee.



2.11.3 Mile End Network Control Centre

Table 2.11.3.1 Safe Working Systems Operated from Mile End Network Control Centre

Area of Control	Safeworking System
TOTTENHAM (exclusive) – NEWPORT (dual gauge) (BROOKLYN – NEWPORT, broad gauge, controlled by V-Line)	Automatic Block Signalling (ABS)
NEWPORT (standard gauge) – LAVERTON LOOP (inclusive)	Automatic Block Signalling (ABS)
GHERINGHAP (exclusive) – MAROONA (exclusive)	Centralised Traffic Control (CTC)
MAROONA – PYRENEES (inclusive)	Centralised Traffic Control (CTC)
MOONEE PONDS (ARTC interface) & APPLETON / SWANSTON DOCKS - SIMS ST JUNCTION - WEST FOOTSCRAY JUNCTION – TOTTENHAM	Automatic Block Signalling (ABS)
TOTTENHAM – SOMERTON (exclusive)	Centralised Traffic Control (CTC)
TARCOOLA (exclusive) – COOK – WEST KALGOORLIE (exclusive)	Train Order Working (TOW Manual SA) (ARTC Code of Practise)
SPENCER JUNCTION (exclusive) – TARCOOLA	Centralised Traffic Control (CTC)
TARCOOLA - NORTHGATE	Train Order Working (TOW Manual SA) (ARTC Code of Practise)
DRY CREEK NORTH JUNCTION – CRYSTAL BROOK	Centralised Traffic Control (CTC)
CRYSTAL BROOK (exclusive) – COONAMIA	Centralised Traffic Control (CTC)
COONAMIA – STIRLING NORTH (exclusive)	Centralised Traffic Control (CTC)
STIRLING NORTH – SPENCER JUNCTION	Centralised Traffic Control (CTC)
SPENCER JUNCTION - WHYALLA	Advanced Train Management System (ATMS) (ARTC Code of Practise)
CRYSTAL BROOK – BROKEN HILL (exclusive)	Automatic Block Signalling (ABS)

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Approved By: Minor - Manager Standards

Notices: Standing Tran Notice-1696 NAN-3283