

Route Access Condition Notice

15-00017

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Distribution Date:	25-05-2015
Requested By:	ARTC
Subject:	Tracked Changes to all RAS documentation
Effective Period:	25-05-15 – 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Notices (RACN) are periodically updated in the ARTC Route Access Standard (RAS), at which time the relevant RACN is withdrawn.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:	All Documents	Version No.:	1.3
		Page/s:	All
<u>ARTC Network Location:</u>			
Line Section:		
Kms:		

Details of RACN: This RACN details all track changed alterations to the entire RAS document

RAS INTRODUCTION SECTION:

1500017 A

Document Reference	Document Title	Page	Description of RACN Amendment	Date Effective	Approved By:	Incorporated:	Source
V1.4	Introduction	All	Re-Brand	1500017	05/05/15	R.Potts	Brand Team

1500017 B

Document Reference	Document Title	Page	Description of RACN Amendment	Date Effective	Approved By:	Incorporated:	Source
V1.4	Introduction	5	Editorial	1500017	05/05/15	R.Potts	Internal Review

Above rail Rail functions for which an **Operator is responsible.**

Access Agreement The contract that specifies the terms and conditions for access to the ARTC Network by an Operator.

Adjoining Network A Network that abuts the ARTC network eg John Holland Network, Railcorp Network, **and Brookfield Rail** Network.

1500017 C

Document Reference	Document Title	Page	Description of Amendment	RACN	Date Effective	Approved By:	Incorporated:	Source
V1.4	Introduction	6	Definition of End of Train Markers revised	1500017	07/04/15	R.Potts	05/05/15	Internal Review, RP/NT

End of train marker (EOTM) **A device other than tail lights fitted to the trailing end of the last vehicle of a train.**

1500017 D

Document Reference	Document Title	Page	Description of Amendment	RACN	Date Effective	Approved By:	Incorporated:	Source
V1.4	Introduction	7	Definition for Marker Lights revised	1500017	07/04/15	R.Potts	05/05/15	Internal Review, RP/NT

Marker lights **Lights that indicate the front or rear of the train. (can determine route)**

1500017 E

Document Reference	Document Title	Page	Description of Amendment	RACN	Date Effective	Approved By:	Incorporated:	Source
V1.4	Introduction	7	Editorial	1500017	05/05/15	R.Potts	05/05/15	Internal Review

Programmed Preventative Maintenance (PPM) Regular vehicle or train maintenance **cycle** based on a fixed time or distance travelled **to** ensure that vehicles remain fit for use on the ARTC Network for at least the duration of the PPM cycle.

Qualified worker A worker certified as competent to carry out the **relevant task.**

1500017 F

Document Reference	Document Title	Page	Description of Amendment	RACN	Date Effective	Approved By:	Incorporated:	Source
V1.4	Introduction	8	Definition, tail lights removed	1500017	07/04/15	R.Potts	05/05/15	Internal Review, RP/NT

~~Fail Lights~~ ~~Red lights used as end of train markers~~

RAS GENERAL INFORMATION SECTION:

1500017 G

Document Reference	Document Title	Page	Description of Amendment	RACN	Date Effective	Approved By:	Incorporated:	Source
V1.4	General Information	All	Re-Brand	1500017	05/05/15	R.Potts	05/05/15	Brand Team

1500017 H (not used)

Document Reference	Document Title	Page	Description of Amendment	RACN	Date Effective	Approved By:	Incorporated:	Source

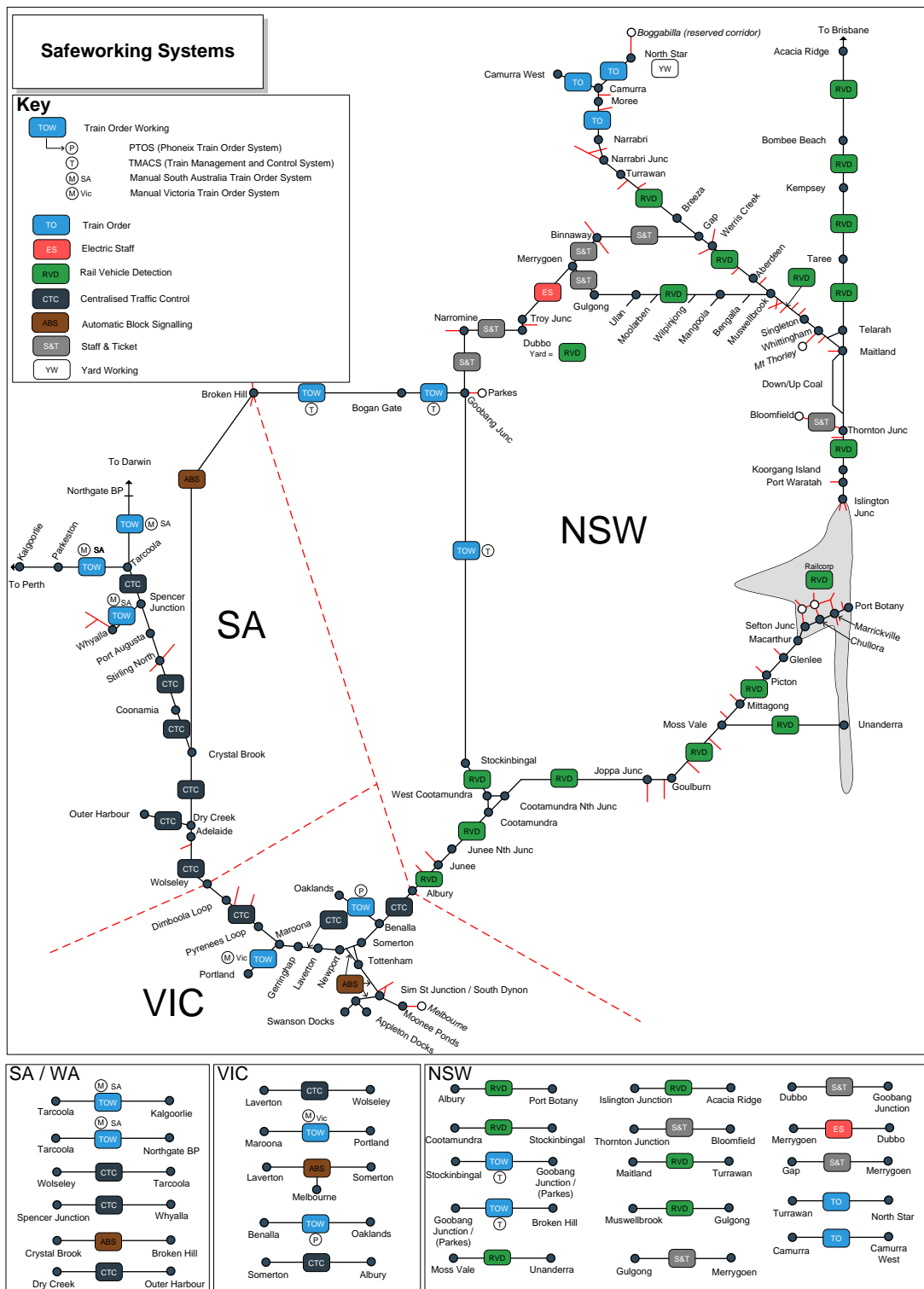
1500017 I

Document Reference	Document Title	Page	Description of Amendment	RACN	Date Effective	Approved By:	Incorporated:	Source
V1.4	General Information 2.11 Safe working systems	23 to 26	Revised tables & Diagram (revised PTOS layout project on hold)	1500017	05/05/15	R.Potts	05/05/15	Internal Review

2.10 ARTC Safeworking Systems

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

Figure 2.11.1 – ARTC Safeworking Systems



2.10.1 Broadmeadow Network Control Centre

Table 2.11.1.1 Safeworking Systems Operated from Broadmeadow Network Control Centre

AREA OF CONTROL	SAFeworking SYSTEM
ISLINGTON (INCLUSIVE) – THORNTON (INCLUSIVE)	RAIL VEHICLE DETECTION (RVD)
BLOOMFIELD BRANCH LINE	STAFF AND TICKET (S+T)

THORNTON (EXCLUSIVE) – SINGLETON (INCLUSIVE) AND TELARAH MT THORLEY – BULGA – WAMBO BRANCH LINES	RAIL VEHICLE DETECTION (RVD)
SINGLETON (EXCLUSIVE) – MANGOOLA (EXCLUSIVE) AND ABERDEEN (EXCLUSIVE)	RAIL VEHICLE DETECTION (RVD)
ABERDEEN (INCLUSIVE) – WERRIS CREEK (INCLUSIVE) AND BREEZA (EXCLUSIVE) MANGOOLA (INCLUSIVE) – GULGONG (EXCLUSIVE) (INCLUDING BALLOON LOOPS)	RAIL VEHICLE DETECTION (RVD)
WERRIS CREEK (GAP) (INCLUSIVE) – TURRAWAN (INCLUSIVE)	RAIL VEHICLE DETECTION (RVD)
TELARAH (EXCLUSIVE) – KEMPSEY (EXCLUSIVE)	RAIL VEHICLE DETECTION (RVD)
KEMPSEY (INCLUSIVE) – ACACIA RIDGE (EXCLUSIVE)	RAIL VEHICLE DETECTION (RVD)
DUBBO / TROY JUNCTION (EXCLUSIVE) – MERRYGOEN (INCLUSIVE)	ELECTRIC STAFF
MERRYGOEN (INCLUSIVE) – GULGONG (EXCLUSIVE)	STAFF & TICKET
PORT WARATAH AND KOORAGANG TERMINAL AREAS KOORAGANG TERMINAL AREA	RAIL VEHICLE DETECTION, YARD WORKING (RVD)
TURRAWAN (EXCLUSIVE) - MOREE	TRAIN ORDER
GOOBANG JUNCTION (PARKES) (EXCLUSIVE) – NARROMINE (INCLUSIVE)	STAFF & TICKET (NSW)
NARROMINE (INCLUSIVE) – DUBBO (EXCLUSIVE)	STAFF & TICKET
TROY JUNCTION / DUBBO (yard)	RAIL VEHICLE DETECTION (RVD)
MERRYGOEN (INCLUSIVE) – WERRIS CREEK (GAP)(EXCLUSIVE)	STAFF & TICKET
MOREE – NORTH STAR	TRAIN ORDER
CAMURRA – CAMURRA WEST	TRAIN ORDER

2.10.2 Junee Network Control Centre

Table 2.11.2.1 – Safeworking Systems Operated from Junee Network Control Centre

AREA OF CONTROL	SAFEWORKING SYSTEM
MACARTHUR (EXCLUSIVE) – GOULBURN/ JOPPA JUNCTION (EXCLUSIVE) MOSS VALE (INCLUSIVE) – UNANDERRA (EXCLUSIVE)	RAIL VEHICLE DETECTION (RVD)
COOTAMUNDRA (EXCLUSIVE) – ALBURY (INCLUSIVE)	RAIL VEHICLE DETECTION (RVD)
COOTAMUNDRA (INCLUSIVE) – STOCKINBINGAL (INCLUSIVE)	RAIL VEHICLE DETECTION (RVD)
MACARTHUR - SEFTON JUNCTION - PORT BOTANY	RAIL VEHICLE DETECTION (RVD)

ALBURY (INCLUSIVE) – SOMERTON (EXCLUSIVE)	CENTRALISED TRAFFIC CONTROL (CTC)
JOPPA JUNCTION (EXCLUSIVE) – JUNEE (EXCLUSIVE)	RAIL VEHICLE DETECTION (RVD)
JUNEE (INCLUSIVE) – ALBURY (EXCLUSIVE)	RAIL VEHICLE DETECTION (RVD)
BENALLA (INCLUSIVE) – OAKLANDS (INCLUSIVE)	TRAIN ORDER WORKING (PTOS)

2.10.3 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)
PORT AUGUSTA - WHYALLA	TRAIN ORDER WORKING SA (TOW MANUAL SA)(ARTC CODE OF PRACTISE)
CRYSTAL BROOK – BROKEN HILL (EXCLUSIVE)	AUTOMATIC BLOCK SIGNALLING (ABS)

MILE END – DRY CREEK NORTH	CENTRALISED TRAFFIC CONTROL (CTC)
DRY CREEK JUNCTION – PELICAN POINT	
WOLSELEY – MILE END (EXCLUSIVE)	CENTRALISED TRAFFIC CONTROL (CTC)
MAROONA – PYRENEES LOOP (EXCLUSIVE)	CENTRALISED TRAFFIC CONTROL (CTC)
PYRENEES LOOP – DIMBOOLA LOOP (INCLUSIVE)	CENTRALISED TRAFFIC CONTROL (CTC)
DIMBOOLA LOOP (EXCLUSIVE) - WOLSELEY	CENTRALISED TRAFFIC CONTROL (CTC)
BROKEN HILL YARD	RAIL VEHICLE DETECTION (RVD)
BROKEN HILL (EXCLUSIVE) – GOOBANG JUNCTION (EXCLUSIVE)	TRAIN MANAGEMENT AND CONTROL SYSTEM (TMACS)
GOOBANG JUNCTION YARD	RAIL VEHICLE DETECTION (RVD)
GOOBANG JUNCTION (EXCLUSIVE) – STOCKINBINGAL (EXCLUSIVE)	TRAIN MANAGEMENT AND CONTROL SYSTEM (TMACS)
ALBION (INCLUSIVE) – TULLAMARINE (DUAL GAUGE) - JACANA (INCLUSIVE) (BROAD GAUGE)	CENTRALISED TRAFFIC CONTROL (CTC)
MAROONA – PORTLAND (INCLUSIVE)	TRAIN ORDER WORKING (TOW MANUAL VIC) (TA20 RULE BOOK)

RAS SECTION PAGE INTRODUCTION

1500017 J

Document Reference	Document Title	Page	Description of Amendment	RACN	Date Effective	Approved By:	Incorporated:	Source
V1.4	Section Page Introduction	All	Re-Brand	1500017	05/05/15	R.Potts	05/05/15	Brand Team

RAS DIRN SECTION PAGE INTRODUCTION

1500017 K

Document Reference	Document Title	Page	Description of Amendment	RACN	Date Effective	Approved By:	Incorporated:	Source
V1.4	DIRN section page introduction	All	Re-Branded Intro and all section pages	1500017	05/05/15	R.Potts	05/05/15	Brand Team

RAS D1 SECTION PAGE

1500017 L

Document Reference	Document Title	Page	Description of Amendment	RACN	Date Effective	Approved By:	Incorporated:	Source
V1.4	D1 Melbourne Metro	6	Clarification of Tottenham Junction KM position	1500017	22/08/14	R.Potts	06/03/15	Review of Curve Data

TOTTENHAM JUNCTION	10.120 KM*	13.980 KM	95
	13.980 KM	14.500 KM	65

1500017 M

Document Reference	Document Title	Page	Description of Amendment	RACN	Date Effective	Approved By:	Incorporated:	Source
V1.4	D1 Melbourne Metro	6	Somerton loop	1500017	22/08/14	R.Potts	06/03/15	Review, performance team

SOMERTON LOOP#	19.380 KM	125 PASSENGER ONLY
	21.270 KM	130 PASSENGER ONLY
	25.660 KM	125 PASSENGER ONLY
	26.020 KM	130 PASSENGER ONLY

RAS D2 SECTION PAGE

1500017 N

Document Reference	Document Title	Page	Description of Amendment	RACN	Date Effective	Approved By:	Incorporated:	Source
V1.4	D2 Laverton to Wolsley	2	Revised Map	1500017	04/05/15	R.Potts	05/05/15	Internal Review

1500017 O

Document Reference	Document Title	Page	Description of Amendment	RACN	Date Effective	Approved By:	Incorporated:	Source
V1.4	D2 Laverton to Wolsley	5	Roads at Kaniva 3 not 5	1500017	21/05/15	R.Potts	05/05/15	Internal Review

- number three road Kaniva.

1500017 P

Document Reference	Document Title	Page	Description of Amendment	RACN	Date Effective	Approved By:	Incorporated:	Source
V1.4	D2 Laverton to Wolsley	5	Trailerail Operation limits corrected	1500017	21/05/15	R.Potts	05/05/15	Internal Review

Trailerail is only permitted to operate between South Dynon and Adelaide.

RAS D5 SECTION PAGE

1500017 Q

Document Reference	Document Title	Page	Description of Amendment	RACN	Date Effective	Approved By:	Incorporated:	Source
V1.4	D5 Dry Creek to Crystal Brook	6	Revised Speeds	1500017	22/08/14	R.Potts	06/03/15	Review of Curve Data

42.920 KM*	44.234 KM	90
44.234KM*	44.354KM	100
44.371KM*	44.491KM	100
45.525 KM*	45.919 KM (NO SIGN)	100
54.200 KM*	55.900 KM	110
170.100 KM*	172.250 KM	100
172.900 KM	173.625 KM	80

RAS D6 SECTION PAGE
1500017 R

Document Reference	Document Title	Page	Description of Amendment	RACN	Date Effective	Approved By:	Incorporated:	Source
V1.4	D6 Crystal Brook to Spencer Junction	4	Removal of freight definitions	1500017	05/05/15	R.Potts	05/05/15	Internal Review

Type			
FREIGHT	115	22.8*	21
EXPRESS FREIGHT			
FREIGHT	100	22.8*	23
SUPER FREIGHT			
FREIGHT	80	22.8*	25
REGULAR FREIGHT			

RAS D7 SECTION PAGE
1500017 S

Document Reference	Document Title	Page	Description of Amendment	RACN	Date Effective	Approved By:	Incorporated:	Source
V1.4	D7 Spencer Junction to Parkeston	6 & 7	Editorial	1500017	05/05/15	R.Potts	05/05/15	Internal Review

FERGUSON (468 KM)	465.590 KM	474.890 KM	100
	476.620 KM*	477.980 KM	90
	482.980 KM*	492.670 KM	100
BATES (724 KM)	724.040 KM*	776.267 KM	80

RAS D14 SECTION PAGE
1500017 T

Document Reference	Document Title	Page	Description of Amendment	RACN	Date Effective	Approved By:	Incorporated:	Source
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V1.4	D14 Parkes to Broken Hill	11	Level Crossing Removed KMs incorrect	1500017	22/08/14	R.Potts	05/05/15	Review by BW and Performance team
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1011.167				145			120
1011.241						115	145

RAS D15 SECTION PAGE

1500017 U

Document Reference	Document Title	Page	Description of Amendment	RACN	Date Effective	Approved By:	Incorporated:	Source
V1.4	D15 Broken Hill to Crystal Brook	4	Speed and Axle Load table edited	1500017	05/05/15	R.Potts	05/05/15	Internal Review

BROKEN HILL – PETERBOROUGH

TRAIN TYPE	MAXIMUM SPEED	MAXIMUM AXLE LOAD (TONNES)	
	(KM/H)	LOCOS	WAGONS
		134T MAXIMUM LOCOMOTIVE WEIGHT	
FREIGHT	115	22.8*	21
FREIGHT	100	22.8*	23
FREIGHT	80	22.8*	25
PASSENGER LOCO HAULED	115	22.8*	19

PETERBOROUGH – CRYSTAL BROOK

TRAIN TYPE	MAXIMUM SPEED	MAXIMUM AXLE LOAD (TONNES)	
	(KM/H)	LOCOS	WAGONS
		134T MAXIMUM LOCOMOTIVE WEIGHT	
(removed)	115	22.8*	20
FREIGHT	110 (LX SIGHTING DISTANCE)	22.8*	21
FREIGHT	100	22.8*	23
FREIGHT	80	22.8*	25
PASSENGER LOCO HAULED	110	22.8*	19

RAS D46 SECTION PAGE

1500017 V

Document Reference	Document Title	Page	Description of Amendment	RACN	Date Effective	Approved By:	Incorporated:	Source
V1.4	D46 Leightonfield to Macarthur	All	Section page removed. Incorporated into D45	1500017	05/05/15	R.Potts	05/05/15	Risk Assessment 25t Port Botany

RAS D53 SECTION PAGE

1500017 W

Document Reference	Document Title	Page	Description of Amendment	RACN	Date Effective	Approved By:	Incorporated:	Source
V1.4	D53 Albury to Somerton	6	Clarity for Performance team. Direction of travel added to speed board listings.	1500017	05/05/15	R.Potts	05/05/15	Internal Review

RAS IN SECTION PAGE INTRODUCTION

1500017 X

Document Reference	Document Title	Page	Description of Amendment	RACN	Date Effective	Approved By:	Incorporated:	Source
V1.4	IN section page introduction	All	Re-Brand Intro and all section pages	1500017	05/05/15	R.Potts	05/05/15	Brand Team

RAS I2 SECTION PAGE

1500017 Y

Document Reference	Document Title	Page	Description of Amendment	RACN	Date Effective	Approved By:	Incorporated:	Source
V1.4	I2 Benalla to Oaklands	4	Removal of class of vehicles	1500017	05/05/15	R.Potts	05/05/15	External review

BENALLA – OAKLANDS – CLASS OF LOCOMOTIVE AND PERMITTED SPEEDS (KMH)

CLASS OF LOCOMOTIVES

TYPE	21.8T	20.6T		
H,P,T, CPH, HPC, NPF, NTC			Y	SPRINTER/ V-LOCITY

BENALLA AND YARRAWONGA	FREIGHT	55	70	70	65	-
BENALLA AND YARRAWONGA	FREIGHT	30	70	70	65	-
EXCEPT OVER BOSSEY CREEK OVERFLOW BRIDGE AT 239.170KM BETWEEN ST JAMES AND TUNGAMAH						
YARRAWONGA RIVER BRIDGE		30	30	30	30	-
260.545 -261.330KM						
YARRAWONGAAND 318.481KM	FREIGHT	50	50	50	50	-

RAS I5 SECTION PAGE

1500017 Z

Document Reference	Document Title	Page	Description of Amendment	RACN	Date Effective	Approved By:	Incorporated:	Source
V1.4	I5 Dubbo to Goobang Junction	5	Manildra Street crossing	1500017	05/05/15	R.Potts	05/05/15	External review

MINORE	476.695
(MANILDRA ST CROSSING @ 496.784)	495.987
NARROMINE	497.554

RAS HHN SECTION PAGE INTRODUCTION

1500017 A/a

Document Reference	Document Title	Page	Description of Amendment	RACN	Date Effective	Approved By:	Incorporated:	Source
V1.4	HHN Section Page Introduction	All	Re-Branding Intro and all HHN section pages	1500017	05/05/15	R.Potts	05/05/15	Brand Team

RAS H1 SECTION PAGE

1500017 A/b

Document Reference	Document Title	Page	Description of Amendment	RACN	Date Effective	Approved By:	Incorporated:	Source
V1.4	H1 Islington Junction to Muswellbrook	All	Naming convention for speed boards in bi-directional operation	1500017	05/05/15	R.Potts	05/05/15	Internal review

Example below: Travelling in the down direction on the up main (speed board posted facing the driver in the direction of travel)

Can be in reverse: Travelling in the up direction on the down main (speed board posted facing the driver in the direction of travel)

	DN	UP
	Normal	XPT
	Normal	XPT
MAITLAND	192.548	
FARLEY	192.980	125
DN direction ON UP MAIN	193.400	(115) (130)
DN direction ON UP MAIN	194.140	(X80) (X80)
	194.315	X80 X80

RAS H2 SECTION PAGE

1500017 A/c

Document Reference	Document Title	Page	Description of Amendment	RACN	Date Effective	Approved By:	Incorporated:	Source
V1.4	H2 Muswellbrook to Werris Creek	7	Error Corrections	1500017	05/05/15	R.Potts	05/05/15	Internal review

	292.670	-	-	90	95
	292.900	115	160		

RAS H3 SECTION PAGE

1500017 A/d

Document Reference	Document Title	Page	Description of Amendment	RACN	Date Effective	Approved By:	Incorporated:	Source
V1.4	H3 Werris Creek to Narrabri	2	Check of Safe Notices 2-811, 2-1071, 2-1073, 2-2141, 2-2140.	1500017	05/05/15	R.Potts	05/05/15	Internal review

Issued By:

Richard Potts

Australian Rail Track Corporation

Approved By:

Minor - Manager Standards

NAN Ref (if applicable):