

## Route Access Condition Notice

### 16-00005

<b>Distributed To:</b>	ARTC Website
<b>Distribution Date:</b>	11-04-2016
<b>Requested By:</b>	Kamal Chandwani ARTC
<b>Subject:</b>	Implementation of Phoenix Train Order System on the intrastate line section, including revised permanent speeds and revision of safeworking systems interface.
<b>Effective Period:</b>	11-04-16 – Until Published
<b>Amendment Type:</b>	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Notices (RACN) are periodically updated in the ARTC Route Access Standard (RAS), at which time the relevant RACN is withdrawn.*

**RAS Reference:**

**Section:** 14 / 15 / 16 / 17 + General Information section 2.11      **Version No.:** 1.5      **Page/s:** N/A

**ARTC Network Location:**

**Line Section:** Gap - Dubbo  
 Dubbo - Goobang Junction  
 Turrawan – North Star  
 Gulgong - Merrygoen

**Kms:** km - km

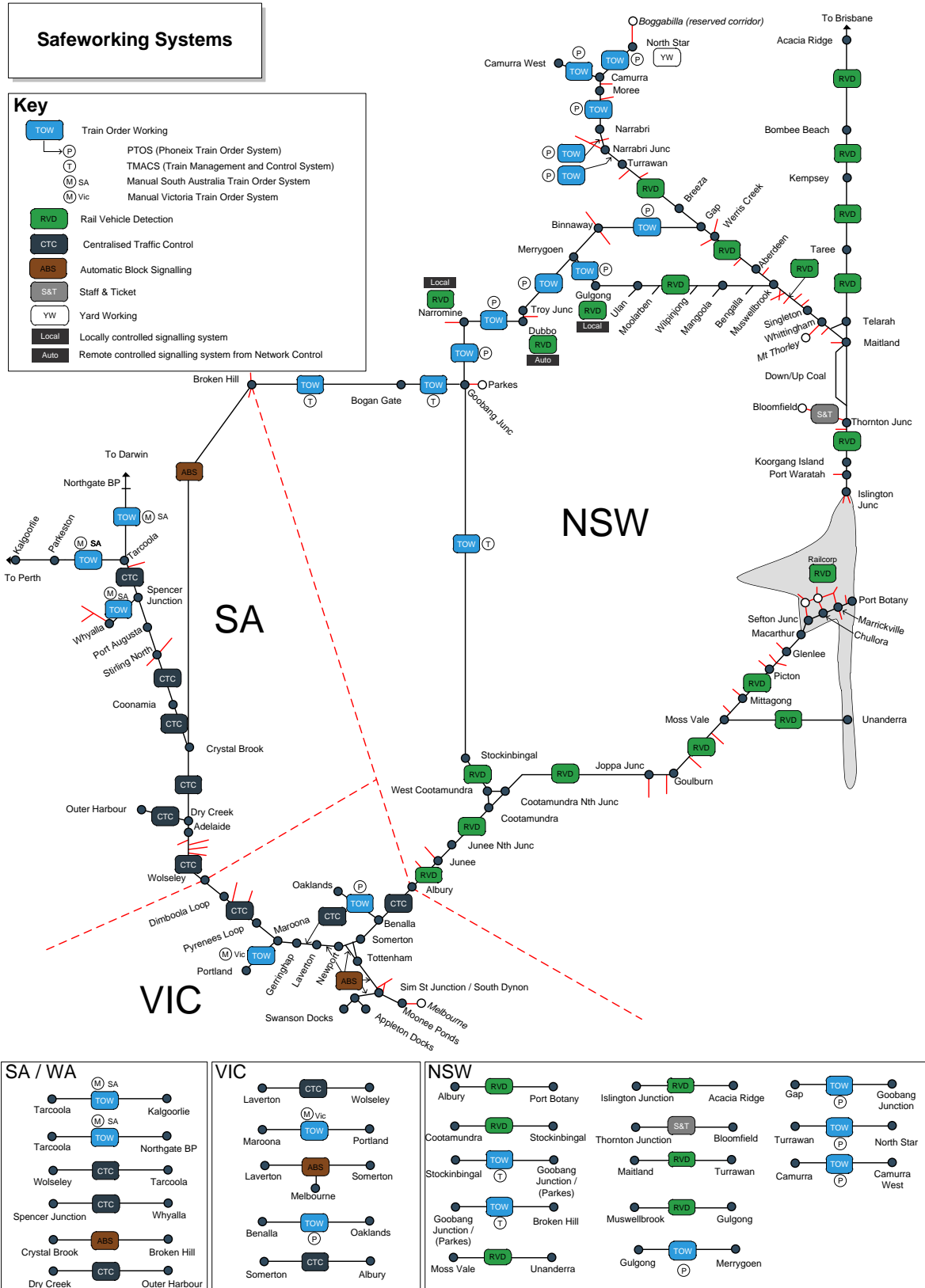
**Details of RACN:**

As part of the train order working implementation project on the section Parkes (Goobang Junction) to Dubbo, Dubbo to Werris Creek (Gap) & Gulgong to Merrygoen and Turrawan to North Star, the existing Electric Staff and Ordinary Staff and Ticket safe working systems for the line sections listed will be replaced by the Phoenix Train Order Working System (PTOS). These section will be commissioned as follows:

**Delivery:**

Stage	Section	Dates	Timeframe
Stage 1	Turrawan to North Star	15 April 2016	0945 Hours Fri 15 April to 1545 Hours Fri 15 April
Stage 2	Gap to Merrygoen (Excl.)	18 April 2016 – 19 April 2016	0600 Hours Mon 18 April to 0100 Hours Tue 19 April
Stage 3	Gulgong – Merrygoen – Elong Elong – Troy Junction	20 April 2016 – 21 April 2016	1300 Hours Wed 20 April to 2100 Hours Thu 21 April
Contingency		22 April 2016	
Stage 4	Dubbo – Peak Hill (Excl.)	23 April 2016 – 24 April 2016	0600 Hours Sat 23 April to 0300 Hours Sun 24 April
Stage 5	Goobang – Peak Hill	24 April 2016 – 25 April 2016	1000 Hours Sun 24 April to 1000 Hours Mon 25 April

Safeworking Diagram: Figure 2.11.1 – ARTC Safeworking Systems



**Safeworking Tables:**

**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)	Phoenix Train Order System (PTOS)
DUBBO / TROY JUNCTION	Rail Vehicle Detection (RVD)
MERRYGOEN (inclusive) – GULGONG (exclusive)	Phoenix Train Order System (PTOS)
PORT WARATAH and KOORAGANG Terminal Areas KOORAGANG Terminal Area	Rail Vehicle Detection, Yard working (RVD)
TURRAWAN (exclusive) - MOREE	Phoenix Train Order System (PTOS)
GOOBANG JUNCTION (PARKES) (exclusive) – NARROMINE (exclusive) - DUBBO (exclusive)	Phoenix Train Order System (PTOS)
NARROMINE	Rail Vehicle Detection, Yard working (RVD)
MERRYGOEN (inclusive) – WERRIS CREEK (Gap)(exclusive)	Phoenix Train Order System (PTOS)
MOREE – NORTH STAR	Phoenix Train Order System (PTOS)
CAMURRA – CAMURRA WEST	Phoenix Train Order System (PTOS)

**Table 2.11.2.1 – Safeworking Systems Operated from Junee Network Control Centre**

Area of Control	Safeworking System
MACARTHUR (exclusive) – GOULBURN/ JOPPA JUNCTION (exclusive)	Rail Vehicle Detection (RVD)
MOSS VALE (inclusive) – UNANDERRA (exclusive)	
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)	Phoenix Train Order System (PTOS)

**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 DRY CREEK JUNCTION – PELICAN POINT	Centralised Traffic Control (CTC)
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)

Permanent Speed restrictions:

## 15 Narromine – Goobang Junction

NARROMINE – GOOBANG JUNCTION					
LOCATION	KILOMETRAGE	DOWN $\Delta$		UP $\nabla$	
		Normal	XPT	Normal	XPT
NARROMINE	556.999				
	556.600		-	55	-
	555.900	55	-		-
	555.770		-	90	-
	554.000	90			
	<del>553.650</del>	<del>90</del>	<del>-</del>	<del>75</del>	<del>-</del>
	553.250			75	
	<del>553.170</del>	<del>90</del>	<del>-</del>	<del>75</del>	<del>-</del>
	<del>553.050</del>	<del>75</del>	<del>-</del>	<del>75</del>	<del>-</del>
	<del>552.630</del>	<del>75</del>	<del>-</del>	<del>100</del>	<del>-</del>
	552.512		-	100	-
	550.482	75			
NARWONAH	547.051				

## 14 The Gap – Dubbo

GAP - MERRYGOEN					
LOCATION	KILOMETRAGE	DOWN $\Delta$		UP $\nabla$	
		Normal	XPT	Normal	XPT
MENDOORAN *	551.863				
	552.040	30 (CLX)	-	-	-
	552.310	-	-	75	-
	553.420	100	-	-	-
	557.580	-	-	100	-
	557.740	75	-	-	-
	558.280	-	-	75	-
	558.360	100	-	-	-
	560.000	25			
	560.350	-	-	100	-
	<del>560.510</del>	<del>50</del>	<del>-</del>	<del>-</del>	<del>-</del>
	562.110	15			
	562.260	-	-	50	-
MERRYGOEN *	562.590 (via Dubbo)				
	417.798 (via Mudgee)				

MERRYGOEN - DUBBO					
LOCATION	KILOMETRAGE	DOWN $\Delta$		UP $\nabla$	
		Normal	XPT	Normal	XPT
	454.215	-	-	-	-
	454.920	-	-	80	-
	455.020	75	-	-	-

BINNAWAY *	456.600	25			
	458.050	15			
	458.240	-	-	75	-
	458.678				
	459.206	75	-	-	-
	459.241			15	
	460.470			25	
	461.359	100	-	75	-
467.675	75	-	100	-	

## I7 Ulan – Merrygoen

GULGONG - MERRYGOEN					
LOCATION	KILOMETRAGE	DOWN		UP	
		Normal	XPT	Normal	XPT
	#415.000	85	-	-	-
	#415.750	-	-	85	-
	415.954	25			
	#416.250	65	-	-	-
	417.253	15			
	#417.500	-	-	65	-
MERRYGOEN (G)	#417.798				

## I6 Narrabri – North Star

Add new section

CAMURRA – CAMURRA WEST					
LOCATION	KILOMETRAGE	DOWN		UP	
		Normal	XPT	Normal	XPT
CAMURRA	677.070				
	677.125	30			
CAMURRA WEST (CRN Boundary)	679.040				

Issued By: *Richard Potts*

Australian Rail Track Corporation

Approved By: Minor - Manager Standards

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