

Route Access Condition Notice

17-00011

Distributed To:	ARTC Website
Distribution Date:	28-02-2017
Requested By:	ARTC
Subject:	Addition of Train Numbering to RAS.
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Notices (RACN) are periodically updated in the ARTC Route Access Standard (RAS), at which time the relevant RACN is withdrawn.

RAS Reference:

Section: General Information Section 2.1 **Version No.:** 1.5 **Page/s:** All

ARTC Network Location:

Line Sections & Kms: General Information section 2.1

Details of RACN: Inclusion of Train Numbering into the RAS.

2 Route Standards

2.1 Train Numbering

Train Numbering is updated and maintained on the ARTC website, covering the whole network.

ARTC owns and issues train numbers for the ARTC Network.

2.1.1 Freight and Passenger (Defined Interstate Rail Network)

CHARACTER	DESCRIPTION																					
NNNN	First character – The day of the week on which the train departs																					
	<table> <tr> <td>1 = Sunday</td> <td>5 = Thursday</td> </tr> <tr> <td>2 = Monday</td> <td>6 = Friday</td> </tr> <tr> <td>3 = Tuesday</td> <td>7 = Saturday</td> </tr> <tr> <td>4 = Wednesday</td> <td></td> </tr> </table>	1 = Sunday	5 = Thursday	2 = Monday	6 = Friday	3 = Tuesday	7 = Saturday	4 = Wednesday														
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NAAN	<p>Fourth character – General guide to the sequential order of departure from the originating station</p> <p>0-9</p> <p>Note: The numeral eight shall be used for passenger services only.</p>																					

2.1.2 Coal (Hunter Valley Network New South Wales)

CHARACTER	DESCRIPTION
AANNN	First and second characters – Load/unload point describers

CHARACTER	DESCRIPTION
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AH = Ashton	MP = Mt Pleasant
AS = Astar	MR = Moolarben
AT = Mac Generation Antiene	MT = Mt Thorley Bin 2
BC = Bulga Coal	MW = Warkworth Bin 2
BE = Boggabri Coal Terminal East	NA = Donaldson/Bloomfield (Southern)
BF = Bloomfield	NB = Narrabri
BG = Bengalla	ND = Newdell
BO = Boggabri Coal Loading Loop	NM = Macquarie Generation
BR = RN + RC Tandem	NW = Newstan
BW = Mt Arthur	PW = Port Waratah
DK = Dartbrook	RB = Muswellbrook
DR = Drayton	RN = Rixs Creek Nth
DS = Donaldson/Bloomfield	RC = Rixs Creek
DU = Duralie	RV = Ravensworth
ER = Eraring	SF = Stratford
GD = Gunnedah	TB = Teralba
HV = Hunter Valley	UL = Ulan
JU = Wambo/United	VP = Vales Point
JW = Wambo/Jerry Plains	WC = Werris Creek
LD = Liddell	WG = Wilpinjong
LG = Lithgow	WH = Whitehaven
MB = Maules Creek	WK = Warkworth Bin 1
MN = Mangoola	WS = Walsh Point
MO = Mt Owen	
MP = Mt Pleasant	

AANN

Third and fourth characters – Sequential order of daily departure from the originating location

100, 200 and 300 series	For services from Hunter terminals to the Hunter Valley and return
400 Series	Refer to Sydney Trains TOC Manual for information.
500 series	For Gunnedah Basin services
600 series	For North Coast services
700 series	For Macquarie Generation services
800 series	Refer to Sydney Trains TOC Manual for information.

AANN

Fifth character – Loaded status

Odd numbers = Empty train

Even numbers = Loaded coal train

2.1.3 Coal (South and West New South Wales)

(Also applies to Services operating between Inner Harbour and Hunter)

CHARACTER	DESCRIPTION														
AANN	First and second characters – Coal loading point														
	<table> <tr> <td>AR = Airly</td> <td>LS = Lidsdale</td> </tr> <tr> <td>BB = Baal Bone</td> <td>LG = Lithgow</td> </tr> <tr> <td>CA = Clarence</td> <td>MC = Metropolitan Colliery</td> </tr> <tr> <td>CB = Charbon</td> <td>TM = Tahmoor Colliery</td> </tr> <tr> <td>CC = Coal Cliff</td> <td>TL = Thirroul</td> </tr> <tr> <td>CG = Cringilla BHP</td> <td>WW = Wallerawang</td> </tr> <tr> <td>IH = Inner Harbour</td> <td></td> </tr> </table>	AR = Airly	LS = Lidsdale	BB = Baal Bone	LG = Lithgow	CA = Clarence	MC = Metropolitan Colliery	CB = Charbon	TM = Tahmoor Colliery	CC = Coal Cliff	TL = Thirroul	CG = Cringilla BHP	WW = Wallerawang	IH = Inner Harbour	
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AANN	Fourth character – Loaded status														
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2.1.4 Intrastate Network

2.1.4.1 New South Wales Intrastate Trains

CHARACTER	DESCRIPTION										
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CHARACTER	DESCRIPTION
NNNNA	Third character – Any odd or even number not already used Note: The third character may be aligned with the Operator code assigned by Sydney Trains for trains entering the Sydney Trains area.
NNNNA	Fourth character Odd numbers = Down trains, away from Sydney Even numbers = Up trains, towards Sydney
NNNNA	Fifth character N = Operating within New South Wales

2.1.4.2 Trip Trains New South Wales

For Trip Train Numbering Allocations please refer to Sydney Trains Numbering Principles.

2.1.4.3 Victorian Intrastate Trains

CHARACTER	DESCRIPTION										
NNNNA	First character – The district in which the train commenced Refer to Error! Reference source not found. – ARTC train numbering district map.										
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NNNNA	Third character – Any odd or even number not already used										
NNNNA	Fourth character Odd numbers = Down trains, away from Melbourne Even numbers = Up trains, towards Melbourne										

CHARACTER	DESCRIPTION
NNNNA	Fifth character V = Operating within Victoria

2.1.4.4 South Australia Intrastate Trains

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NNNNA	Third character – Any odd or even number not already used
NNNNA	Fourth character Odd numbers = Down trains, away from Adelaide Even numbers = Up trains, towards Adelaide
NNNNA	Fifth character S = Operating within South Australia

2.1.5 Passenger Trains

Note: For CityRail services, refer to Sydney Trains.

CHARACTER	DESCRIPTION
AANN	First character – Direction S = South W = West N = North C = Illawarra
AANN	Second character – Train type or motive power -L-- = Trains hauled by diesel locomotives -N-- = Endeavour trains -P-- = Explorer trains -R-- = Diesel multiple unit trains and rail motors -S-- = Trains hauled by steam locomotives (special working) -T-- = XPT trains
AANN	Third character – Trains operating between the areas of: South S-1 – ST Network and Goulburn S-2 – ST Network and south of Goulburn S-3 – ST Network and Canberra S-4 – Branches south of Goulburn West W-1 – ST Network and Orange W-2 – ST Network and Dubbo/Cobar W-3 – ST Network and Parkes W-4 – ST Network and Broken Hill North N-1 – Used by ST N-2 – ST Network and Armidale N-3 – ST Network and North Coast Branches N-4 – ST Network and Moree Illawarra C-1 – Used by ST C-2 – Used by ST C-3 – Used by ST Suburban area (bounded by Berowra, Emu Plains, Macarthur and Helensburg) Refer to ST
AANN	Fourth character Odd numbers = Down train, Even numbers = Up train

2.1.6 Light Locomotives

A light locomotive can either run alone, or in association with a particular train.

2.1.6.1 New South Wales Light Locomotives

CHARACTER	DESCRIPTION
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CHARACTER	DESCRIPTION										
ADDDA	First character – Locomotive type D = Locomotive										
ADDDA	Second character – The district from which the locomotive originated or in which it runs Refer to Error! Reference source not found. – ARTC train numbering district map. <table border="0" style="width: 100%;"> <tr> <td>1 = Sydney (Refer to ST)</td> <td>6 = Grafton</td> </tr> <tr> <td>2 = Goulburn</td> <td>7 = Lithgow – Merrygoen</td> </tr> <tr> <td>3 = Junee</td> <td>8 = Orange</td> </tr> <tr> <td>4 = Newcastle (Refer to ST)</td> <td>9 = Illawarra</td> </tr> <tr> <td>5 = Werris Creek</td> <td></td> </tr> </table>	1 = Sydney (Refer to ST)	6 = Grafton	2 = Goulburn	7 = Lithgow – Merrygoen	3 = Junee	8 = Orange	4 = Newcastle (Refer to ST)	9 = Illawarra	5 = Werris Creek	
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Victoria Light Locomotives

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ADDDA	Third character – Any odd or even number not already used																		
ADDDA	Fourth character Odd numbers = Down trains, away from Adelaide Even numbers = Up trains, towards Adelaide																		
ADDDA	Fifth character S = Operating within South Australia																		

2.1.7 Maintenance Trains

Any maintenance train that crosses a state border to work uses the numbering system of the state in which it is working.

Example: If a train leaves South Australia to work in Victoria, it shall have a Victorian number. If the train returns to South Australia, it shall have a South Australian number for its return journey.

On the rare occasion a train is working on both sides of a border, the number shall be based on the originating state.

2.1.7.1 New South Wales Maintenance Trains

CHARACTER	DESCRIPTION								
NANNA	First character – Work district Refer to Error! Reference source not found. – ARTC train numbering district map.								
	<table> <tbody> <tr> <td>1 = Sydney</td> <td>6 = Grafton</td> </tr> <tr> <td>2 = Goulburn</td> <td>7 = Lithgow – Merrygoen</td> </tr> <tr> <td>3 = Junee</td> <td>8 = Orange</td> </tr> <tr> <td>4 = Newcastle (Refer to ST)</td> <td>9 = Illawarra</td> </tr> </tbody> </table>	1 = Sydney	6 = Grafton	2 = Goulburn	7 = Lithgow – Merrygoen	3 = Junee	8 = Orange	4 = Newcastle (Refer to ST)	9 = Illawarra
1 = Sydney	6 = Grafton								
2 = Goulburn	7 = Lithgow – Merrygoen								
3 = Junee	8 = Orange								
4 = Newcastle (Refer to ST)	9 = Illawarra								

CHARACTER	DESCRIPTION												
	5 = Werris Creek												
NANNA	Second character M = Maintenance Train												
NANNA	Third character – Identified specific type of train												
	<table border="0"> <tr> <td>1 = Not used</td> <td>7 = Track maintenance vehicles/rail grinders¹</td> </tr> <tr> <td>2 = Ballast train</td> <td>8 = Test vehicles¹</td> </tr> <tr> <td>3 = Ballast train</td> <td>9 = Herbicide</td> </tr> <tr> <td>4 = Rail train</td> <td>0 = Not used</td> </tr> <tr> <td>5 = Sleeper train</td> <td></td> </tr> <tr> <td>6 = Spare</td> <td></td> </tr> </table>	1 = Not used	7 = Track maintenance vehicles/rail grinders ¹	2 = Ballast train	8 = Test vehicles ¹	3 = Ballast train	9 = Herbicide	4 = Rail train	0 = Not used	5 = Sleeper train		6 = Spare	
1 = Not used	7 = Track maintenance vehicles/rail grinders ¹												
2 = Ballast train	8 = Test vehicles ¹												
3 = Ballast train	9 = Herbicide												
4 = Rail train	0 = Not used												
5 = Sleeper train													
6 = Spare													
	1. To operate under block working conditions unless classified to reliably operate track circuits.												
NANNA	Fourth character Odd numbers = Down trains, away from Sydney Even numbers = Up trains, towards Sydney Note: Where possible, numbers should be in sequential order of departure from the originating location.												
NANNA	Fifth character N = Operating within New South Wales												

2.1.7.2 Sydney Metro Freight Network Maintenance Trains

Any Sydney Trains Maintenance Train will operate under Sydney Trains Numbering Principles. Any ARTC Maintenance Train will operate under ARTC Numbering Principles

2.1.7.3 Victoria Maintenance Trains

CHARACTER	DESCRIPTION										
NANNA	First character – Work district Refer to Error! Reference source not found. – ARTC train numbering district map.										
	<table border="1"> <tr> <td>1-4</td> <td>Not ARTC Network</td> </tr> <tr> <td>5</td> <td>Metropolitan broad gauge</td> </tr> <tr> <td>6</td> <td>Allocated to North East (standard gauge) (Melbourne – Albury, Benalla – Oaklands)</td> </tr> <tr> <td>7</td> <td>Allocated to Western (standard gauge) (Melbourne – Wolseley, Maroona – Portland)</td> </tr> <tr> <td>9</td> <td>Metropolitan standard gauge</td> </tr> </table>	1-4	Not ARTC Network	5	Metropolitan broad gauge	6	Allocated to North East (standard gauge) (Melbourne – Albury, Benalla – Oaklands)	7	Allocated to Western (standard gauge) (Melbourne – Wolseley, Maroona – Portland)	9	Metropolitan standard gauge
1-4	Not ARTC Network										
5	Metropolitan broad gauge										
6	Allocated to North East (standard gauge) (Melbourne – Albury, Benalla – Oaklands)										
7	Allocated to Western (standard gauge) (Melbourne – Wolseley, Maroona – Portland)										
9	Metropolitan standard gauge										
NANNA	Second character M = Maintenance train										
NANNA	Third character – Identified specific type of train										
	<table border="0"> <tr> <td>1 = Not used</td> <td>7 = Track maintenance vehicles/rail grinders¹</td> </tr> </table>	1 = Not used	7 = Track maintenance vehicles/rail grinders ¹								
1 = Not used	7 = Track maintenance vehicles/rail grinders ¹										

CHARACTER	DESCRIPTION
	2 = Ballast train 3 = Ballast train 4 = Rail train 5 = Sleeper train 6 = Spare 8 = Test vehicles ¹ 9 = Herbicide 0 = Not used
	1. To operate under block working conditions unless classified to reliably operate track circuits.
NANNA	Fourth character Odd numbers = Down trains, away from Melbourne Even numbers = Up trains, towards Melbourne Note: Where possible, numbers should be in sequential order of departure from the originating location.
NANNA	Fifth character V = Operating within Victoria

2.1.7.4 South Australia Maintenance Trains

CHARACTER	DESCRIPTION																		
NANNA	First character – Work district Refer to Error! Reference source not found. – ARTC train numbering district map.																		
	<table border="1"> <tbody> <tr> <td>1</td> <td>Dry Creek to Keswick, Pelican Point (Adelaide metropolitan area)</td> </tr> <tr> <td>2</td> <td>Beyond Keswick to SA border with Victoria</td> </tr> <tr> <td>3</td> <td>All branch lines south of the Broken Hill line</td> </tr> <tr> <td>4</td> <td>Beyond Dry Creek to Port Augusta, Port Pirie, Spencer Junction</td> </tr> <tr> <td>5</td> <td>Crystal Brook East Junction to Broken Hill</td> </tr> <tr> <td>6</td> <td>Beyond Spencer Junction to Whyalla</td> </tr> <tr> <td>7</td> <td>All branch lines north of the Broken Hill line and east of the Darwin line</td> </tr> <tr> <td>8</td> <td>Beyond Spencer Junction to SA border on line to Perth</td> </tr> <tr> <td>9</td> <td>Beyond Tarcoola to SA border on line to Darwin</td> </tr> </tbody> </table>	1	Dry Creek to Keswick, Pelican Point (Adelaide metropolitan area)	2	Beyond Keswick to SA border with Victoria	3	All branch lines south of the Broken Hill line	4	Beyond Dry Creek to Port Augusta, Port Pirie, Spencer Junction	5	Crystal Brook East Junction to Broken Hill	6	Beyond Spencer Junction to Whyalla	7	All branch lines north of the Broken Hill line and east of the Darwin line	8	Beyond Spencer Junction to SA border on line to Perth	9	Beyond Tarcoola to SA border on line to Darwin
1	Dry Creek to Keswick, Pelican Point (Adelaide metropolitan area)																		
2	Beyond Keswick to SA border with Victoria																		
3	All branch lines south of the Broken Hill line																		
4	Beyond Dry Creek to Port Augusta, Port Pirie, Spencer Junction																		
5	Crystal Brook East Junction to Broken Hill																		
6	Beyond Spencer Junction to Whyalla																		
7	All branch lines north of the Broken Hill line and east of the Darwin line																		
8	Beyond Spencer Junction to SA border on line to Perth																		
9	Beyond Tarcoola to SA border on line to Darwin																		
NANNA	Second character M = Maintenance train																		
NANNA	Third character – Identified specific type of train																		
	1 = Not used 2 = Ballast train 3 = Ballast train 4 = Rail train 5 = Sleeper train 6 = Spare 7 = Track maintenance vehicles/rail grinders ¹ 8 = Test vehicles ¹ 9 = Herbicide 0 = Not used																		

CHARACTER	DESCRIPTION
	Notes: 1. To operate under block working conditions unless classified to reliably operate track circuits.
NANNA	Fourth character Odd numbers = Down trains, away from Adelaide Even numbers = Up trains, towards Adelaide Note: Where possible, numbers should be in sequential order of departure from the originating location.
NANNA	Fifth character S = Operating within South Australia

2.1.8 AK Track Recording Car

CHARACTER	DESCRIPTION										
ANNN	First character – Identifies the region <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">W = NSW Western Region</td> <td style="width: 50%;">M = Victoria</td> </tr> <tr> <td>N = NSW Northern Region (including the north coast, north west and Hunter Valley)</td> <td>A = South Australia</td> </tr> <tr> <td>S = NSW Southern Region</td> <td>P = Western Australia</td> </tr> <tr> <td>C = NSW Illawarra Region</td> <td>D = Northern Territory</td> </tr> <tr> <td></td> <td>B = Queensland</td> </tr> </table>	W = NSW Western Region	M = Victoria	N = NSW Northern Region (including the north coast, north west and Hunter Valley)	A = South Australia	S = NSW Southern Region	P = Western Australia	C = NSW Illawarra Region	D = Northern Territory		B = Queensland
W = NSW Western Region	M = Victoria										
N = NSW Northern Region (including the north coast, north west and Hunter Valley)	A = South Australia										
S = NSW Southern Region	P = Western Australia										
C = NSW Illawarra Region	D = Northern Territory										
	B = Queensland										
ANNN	Second character – Identifies the cars K = AK Car										
ANNN	Third character – Identifies specific type of train and working 8 = AK Car – Diesel Loco – non-block working										
ANNN	Fourth character – Identifies direction 0-9 indicating up or down trains. Odd numbers = down trains Even numbers = up trains										

2.1.9 Heritage Operators

2.1.9.1 Passenger Trains – Heritage Operator Tours

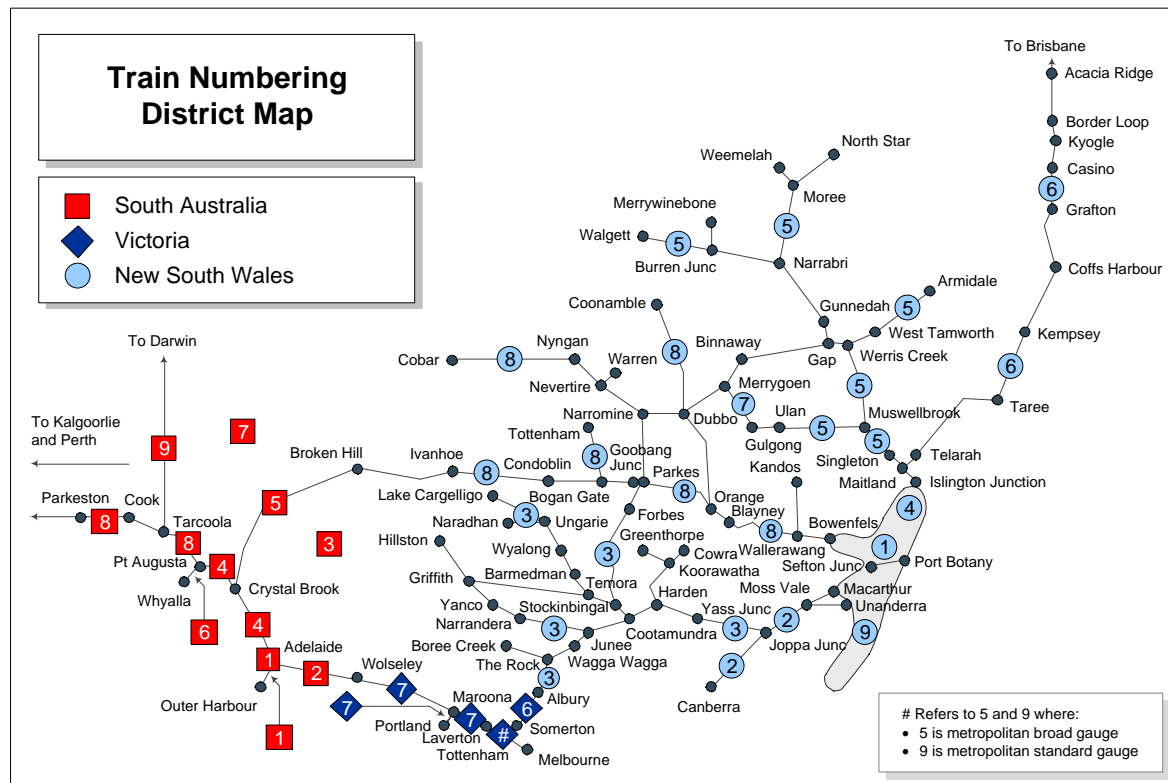
CHARACTER	DESCRIPTION
NANN	First character – Operator 5--- 3801 Limited 6--- NSW Rail Transport Museum 7--- Rail Motor Society 8--- Lachlan Valley Railway Cowra 9--- ARHS (ACT Division)
NANN	Second character – Train type or motive power -L-- Trains hauled by diesel locomotives -R-- Diesel multiple unit trains and rail motors -S-- Trains hauled by steam locomotives

CHARACTER	DESCRIPTION
NANN	Third character - 0-9
AANN	Fourth character - 0-9 Odd numbers = Down trains Even numbers = Up trains

2.1.9.2 Light Locomotives

CHARACTER	DESCRIPTION
ANNN	First character – Operator 5--- 3801 Limited 6--- NSW Rail Transport Museum 7--- Rail Motor Society 8--- Lachlan Valley Railway Cowra 9--- ARHS (ACT Division)
ANNN	Second character – Locomotive type -Z-- Steam -D-- Diesel
ANNN	Third character - 0-9
ANNN	Fourth character - 0-9 Odd numbers = Down trains Even numbers = Up trains

Figure 2.1 – Train Numbering



Issued By: *Richard Potts*
Australian Rail Track Corporation

Approved By: Minor - Manager Standards
TOC Ref (if applicable):