TRAIN NUMBERING

Contents

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1.   Train Numbering

ARTC owns and issues train numbers for the ARTC Network.

1.1.   Freight and Passenger (Defined Interstate Rail Network)

Character	Description
NNNN	**First character – The day of the week on which the train departs** 1 = Sunday 5 = Thursday 2 = Monday 6 = Friday 3 = Tuesday 7 = Saturday 4 = Wednesday
N**A**AN	**Second character – The city, location or region in which the train commenced** A = Adelaide N = Newcastle B = Brisbane O = Fisherman Islands C = Junee/Cootamundra/Griffith P = Perth D = Darwin Q = Moree F = Mudgee/Dubbo/Cowra R = Port Pirie G = Parkes S = Sydney H = Hunter Valley T = Taree – Murwillumbah J = Victoria North East V = Goulburn/Moss Vale/Canberra K = Victoria North West W = NSW South Coast L = Alice Springs X = Spencer Jct./Port Augusta M = Melbourne Y = Whyalla
NA**A**N	**Third character – The city, location or region in which the train will finish its journey** A = Adelaide N = Newcastle B = Brisbane O = Fisherman Islands C = Junee/Cootamundra/Griffith P = Perth D = Darwin Q = Moree F = Mudgee/Dubbo/Cowra R = Port Pirie G = Parkes S = Sydney H = Hunter Valley T = Taree – Murwillumbah J = Victoria North East V = Goulburn/Moss Vale/Canberra K = Victoria North West W = NSW South Coast L = Alice Springs X = Spencer Jct./Port Augusta M = Melbourne Y = Whyalla
NAA**N**	**Fourth character – General guide to the sequential order of departure from the originating station** 0-9 Note: The numeral eight shall be used for passenger services only.

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1.2.　Coal (Hunter Valley Network New South Wales)

Character	Description
AANNN	**First and second characters – Load/unload point describers**
	AH = Ashton · MR = Moolarben AS = Austar · MT = Mt Thorley Bin 2 AT = Mac Generation Antiene · MW = Warkworth Bin 2 BC = Bulga Coal · NA = Donaldson/Bloomfield (Southern) BF = Bloomfield BG = Bengalla · NB = Narrabri BO = Boggabri Coal Loading Loop · ND = Newdell BW = Mt Arthur · NM = Macquarie Generation CW = Camberwell · NW = Newstan DK = Dartbrook · PW = Port Waratah DR = Drayton · RB = Muswellbrook 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 MB = Maules Creek · WH = Whitehaven MN = Mangoola · WK = Warkworth Bin 1 MO = Mt Owen · WS = Walsh Point MP = Mt Pleasant	
AA**NN**N	**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.

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Character	Description
AANN**N**	**Fifth character – Loaded status** Odd numbers = Empty train Even numbers = Loaded coal train

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** 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
AA**NN**	**Third and fourth characters – Sequential order of daily departure from the originating location** <table><tr><td>From 0001 to 0600</td><td>Train numbers between 00 and 25</td></tr><tr><td>From 0601 to 1200</td><td>Train numbers between 26 and 50</td></tr><tr><td>From 1201 to 1800</td><td>Train numbers between 51 and 75</td></tr><tr><td>From 1801 to 2400</td><td>Train numbers between 76 and 99</td></tr></table>
AAN**N**	**Fourth character – Loaded status** Odd numbers = Empty train Even numbers = Loaded coal train

1.4. Intrastate Network

1.4.1. New South Wales Intrastate Trains

Character	Description

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Character	Description
NNNNA	**First character – The district in which the train commenced** Refer to Figure 2.1 – ARTC train numbering district map. 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
N**N**NNA	**Second character – The district in which the train will finish its journey** Refer to Figure 2.1 – ARTC train numbering district map. 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
NN**N**NA	**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.
NNN**N**A	**Fourth character** Odd numbers = Down trains, away from Sydney Even numbers = Up trains, towards Sydney
NNNN**A**	**Fifth character** N = Operating within New South Wales

1.4.2. **Trip Trains New South Wales**

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

1.4.3. **Victorian Intrastate Trains**

Character	Description
NNNNA	**First character – The district in which the train commenced** Refer to Figure 2.1 – ARTC train numbering district map. <table><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,</td></tr></table>

Character	Description		
		Maroona – Portland)	
	9	Metropolitan standard gauge	
NN**N**NA	**Second character – The district in which the train will finish its journey** Refer to Figure 2.1 – ARTC train numbering district map.		
	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	
NN**N**NA	**Third character – Any odd or even number not already used**		
NNN**N**A	**Fourth character** Odd numbers = Down trains, away from Melbourne Even numbers = Up trains, towards Melbourne		
NNNN**A**	**Fifth character** V = Operating within Victoria		

1.4.4.   South Australia Intrastate Trains

Character	Description	
NNNNA	**First character – The district in which the train commenced** Refer to Figure 2.1 – ARTC train numbering district map.	
	1	Dry Creek to Keswick, Pelican Point
	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

WITHDRAWN - SUPERSEDED BY RAS APPENDIX B

Character	Description
	9 Beyond Tarcoola to SA border on line to Darwin
N**N**NNA	**Second character – District in which the train will finish its journey** Refer to Figure 2.1 – ARTC train numbering district map.

	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

Character	Description
NN**N**NA	**Third character – Any odd or even number not already used**
NNN**N**A	**Fourth character** Odd numbers = Down trains, away from Adelaide Even numbers = Up trains, towards Adelaide
NNNN**A**	**Fifth character** S = Operating within South Australia

1.5. Passenger Trains

Note: For CityRail services, refer to Sydney Trains.

Character	Description
AANN	**First character – Direction** S = South N = North W = West C = Illawarra
A**A**NN	**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)

Character	Description
	-T-- = XPT trains
AA**N**N	**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
AAN**N**	**Fourth character**
	Odd numbers = Down train, Even numbers = Up train

1.6.   Light Locomotives

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

1.6.1.   New South Wales Light Locomotives

Character	Description
ADDDA	**First character – Locomotive type**
	D = Locomotive
A**D**DDA	**Second character – The district from which the locomotive originated or in which it runs**
	Refer to Figure 2.1 – ARTC train numbering district map.
	1 = Sydney (Refer to ST) 6 = Grafton

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Character	Description	
	2 = Goulburn 3 = Junee 4 = Newcastle (Refer to ST) 5 = Werris Creek	7 = Lithgow – Merrygoen 8 = Orange 9 = Illawarra
AD**D**DA	**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 Network.	
ADD**D**A	**Fourth character**	
	Odd numbers = Down trains, away from Sydney	
	Even numbers = Up trains, towards Sydney	
ADDD**A**	**Fifth character**	
	N = Operating within New South Wales	

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1.6.2. **Victoria Light Locomotives**

Character	Description
ADDDA	**First character – Locomotive type** D = Locomotive
A**D**DDA	**Second character – Identifies the district from which the locomotive originated or in which it runs** Refer to Figure 2.1 – ARTC train numbering district map.
AD**D**DA	**Third character – Any odd or even number not already used**
ADD**D**A	**Fourth character** Odd numbers = Down trains, away from Melbourne Even numbers = Up trains, towards Melbourne
ADDD**A**	**Fifth character** V = Operating within Victoria

Within the second character cell:

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

1.6.3. **South Australia Light Locomotives**

Character	Description
ADDDA	**First character – Locomotive type** D = Locomotive
A**D**DDA	**Second character – Identifies the district from which the locomotive originated or in which it runs** Refer to Figure 2.1 – ARTC train numbering district map. <table><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></table>
AD**D**DA	**Third character – Any odd or even number not already used**
ADD**D**A	**Fourth character** Odd numbers = Down trains, away from Adelaide Even numbers = Up trains, towards Adelaide
ADDD**A**	**Fifth character** S = Operating within South Australia

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.

1.7.1.   **New South Wales Maintenance Trains**

Character	Description
NANNA	**First character – Work district** Refer to Figure 2.1 – ARTC train numbering district map. 1 = Sydney 6 = Grafton 2 = Goulburn 7 = Lithgow – Merrygoen 3 = Junee 8 = Orange 4 = Newcastle (Refer to ST) 9 = Illawarra 5 = Werris Creek
N**A**NNA	**Second character** M = Maintenance Train
NA**N**NA	**Third character – Identified specific type of train** 1 = Not used 7 = Track maintenance vehicles/rail grinders[1] 2 = Ballast train 3 = Ballast train 8 = Test vehicles[1] 4 = Rail train 9 = Herbicide 5 = Sleeper train 0 = Not used 6 = Spare 1. To operate under block working conditions unless classified to reliably operate track circuits.
NAN**N**A	**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.
NANN**A**	**Fifth character** N = Operating within New South Wales

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

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1.7.3 Victoria Maintenance Trains

Character	Description
NANNA	**First character – Work district** Refer to Figure 2.1 – ARTC train numbering district map. <table><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>
N**A**NNA	**Second character** M = Maintenance train
NA**N**NA	**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 1. To operate under block working conditions unless classified to reliably operate track circuits.
NAN**N**A	**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.
NANN**A**	**Fifth character** V = Operating within Victoria

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1.7.4 South Australia Maintenance Trains

Character	Description
NANNA	**First character – Work district** Refer to Figure 2.1 – ARTC train numbering district map. <table><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></table>
N**A**NNA	**Second character** M = Maintenance train
NA**N**NA	**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 Notes: 1. To operate under block working conditions unless classified to reliably operate track circuits.
NAN**N**A	**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.
NANN**A**	**Fifth character** S = Operating within South Australia

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1.8   AK Track Recording Car

Character	Description
ANNN	**First character – Identifies the region** W = NSW Western Region N = NSW Northern Region (including the north coast, north west and Hunter Valley) S = NSW Southern Region C = NSW Illawarra Region M = Victoria A = South Australia P = Western Australia D = Northern Territory B = Queensland
A**N**NN	**Second character – Identifies the cars** K = AK Car
AN**N**N	**Third character – Identifies specific type of train and working** 8 = AK Car – Diesel Loco – non-block working
ANN**N**	**Fourth character – Identifies direction** 0-9 indicating up or down trains. Odd numbers = down trains Even numbers = up trains

1.9   Heritage Operators

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)
N**A**NN	**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
NA**N**N	**Third character - 0-9**
AAN**N**	**Fourth character - 0-9** Odd numbers = Down trains

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Character	Description
	Even numbers = Up trains

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)
A**N**NN	**Second character – Locomotive type** -Z-- Steam -D-- Diesel
AN**N**N	**Third character - 0-9**
ANN**N**	**Fourth character - 0-9** Odd numbers = Down trains Even numbers = Up trains

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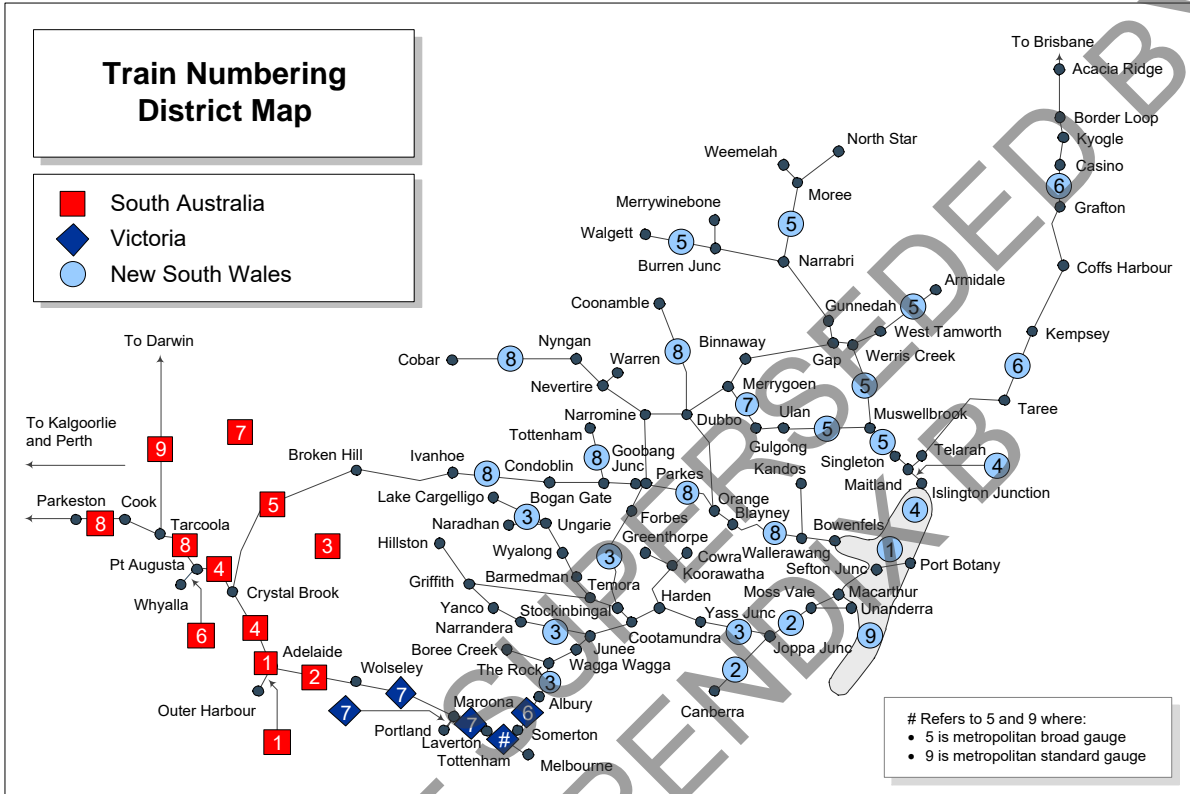
2. Train Numbering District Map

Figure 2.1 – ARTC Train Numbering District Map