

Route Access Standard

DIRN Section Pages D1 – Somerton to Laverton - Melbourne

Applicability

ARTC Network Wide
SMS

Publication Requirement

External Only

Primary Source

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Document Status

Version #	Date Reviewed	Prepared by	Reviewed by	Endorsed	Approved
1.8	Mar 2018	Manager Procedures Development	Stakeholders	Manager Standards	GM Technical Standards

Amendment Record

Amendments to the RAS are published at the following link
https://www.artc.com.au/uploads/RAS_Amendments_Register.xlsx

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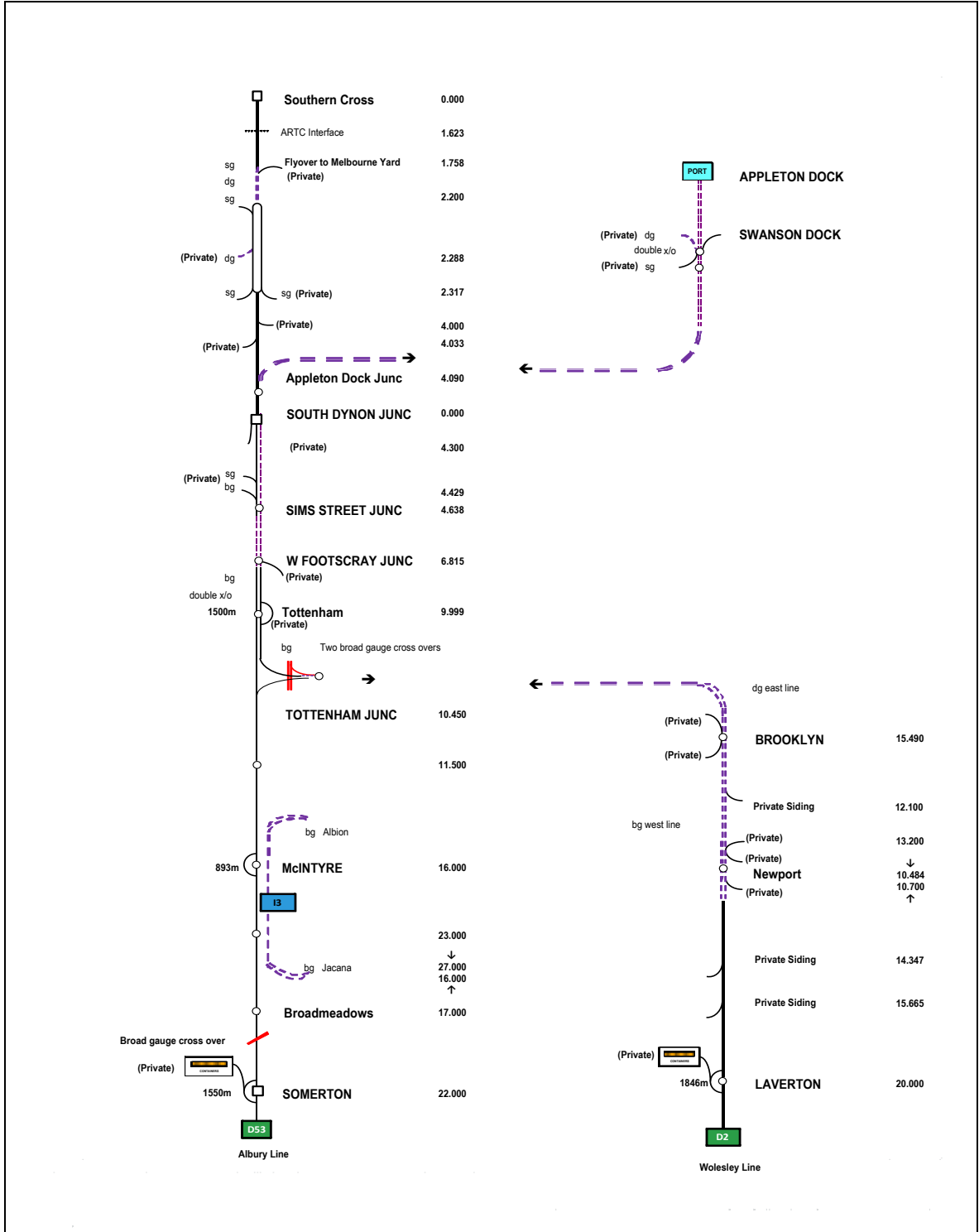
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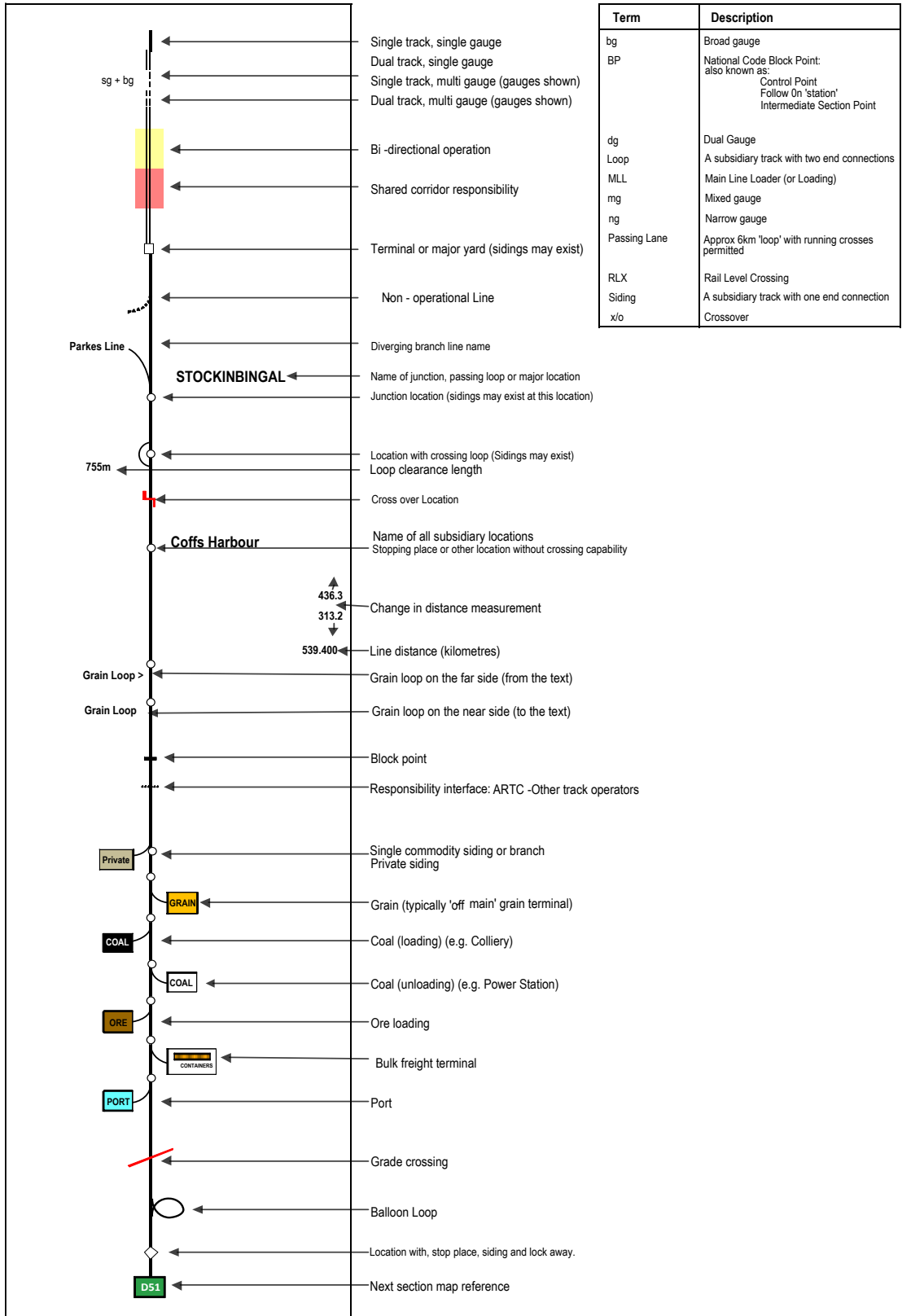
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1 D1–Somerton to Laverton - Melbourne

NB: These line maps are indicative only and should be reviewed in conjunction with the legend on page 3. For more detailed map information refer to the ARTC website.



2 D1 Legend



3 D1 Route Capacity

Laverton – Tottenham ²			
Train Type	Maximum Speed	Maximum Axle Load (tonnes)	
	(km/h)	Locos 134t Maximum locomotive weight	Wagons
Freight	115	22.8*	20
Freight	110	22.8*	21
Freight	100	22.8*	23
Freight	80	22.8*	25
Passenger Loco Hauled	115	22.8*	19

Note:

1 Route capacity applies where vehicle characteristics and conditions permit.

2 Includes the western leg of Tottenham triangle

** These posted axles loads are to account for the variability in axle loads for some classes of locomotive. The maximum locomotive weight must still be adhered to.*

Somerton – Tottenham ²			
Train Type	Maximum Speed	Maximum Axle Load (tonnes)	
	(km/h)	Locos 134t Maximum locomotive weight	Wagons
Freight	115	22.8*	20
Freight	110	22.8*	21
Freight	100	22.8*	23
Freight	80	22.8*	25
XPT	130	19	19

Note:

1 Route capacity applies where vehicle characteristics and conditions permit.

2 Includes the western leg of Tottenham triangle

** These posted axles load are to account for the variability in axle loads for some classes of locomotive. The maximum locomotive weight must still be adhered to.*

Tottenham – Dynon – Appleton Dock ²			
Train Type	Maximum Speed (km/h)	Maximum Axle Load (tonnes)	
		Locos 134t Maximum locomotive weight	Wagons
Freight	115	22.8*	20
Freight	110	22.8*	21
Freight	80		23
Passenger Loco Hauled	115	22.8*	19

Note:

1 Route capacity applies where vehicle characteristics and conditions permit.

2 Includes both North and South legs of Tottenham triangle.

** These posted axles loads are to account for the variability in axle loads for some classes of locomotive. The maximum locomotive weight must still be adhered to.*

South Dynon – Moonee Ponds Junction ²			
Train Type	Maximum Speed (km/h)	Maximum Axle Load (tonnes)	
		Locos 134t Maximum locomotive weight	Wagons
Freight	115	22.8*	20
Freight	110	22.8*	21
Freight	80	22.8*	23
Passenger Loco Hauled	115	22.8*	19
XPT	130	19	19

Note:

1 Route capacity applies where vehicle characteristics and conditions permit.

2 Including ARTC section of Broad Gauge Freight Link Track.

** These posted axles loads are to account for the variability in axle loads for some classes of locomotive. The maximum locomotive weight must still be adhered to.*

4 D1 Special Access Conditions

4.1 Trailerrail Operations

Trailerrail refers to road/rail convertible rolling stock with a fixed, solid outline of 4300 mm high, 2500 mm wide, bogie centres of 13 metres and an overall length of 13.5 metres operating between Dynon and Parkeston only.

Trailerrail is not permitted to operate between Tottenham and Albury.

The maximum speed for Trailerrail on the Up line through Bunbury Street tunnel is 25 km/h.

5 D1 Permanent Speed Restrictions

MELBOURNE – SOMERTON			
LINE SEGMENT	EXCEPTION TO MAXIMUM SPEEDS LOCATION		RESTRICTED SPEED
SOUTHERN CROSS	0.000 KM	1.623 KM	REFER TO ADJACENT TRACK OWNER
ARTC BOUNDARY	1.623 KM	1.710 KM	40
	1.710 KM	2.180 KM	45
	2.180 KM	3.950 KM	55
	3.950 KM	4.050 KM	35
	4.050 KM	4.670 KM	40
	4.670 KM (UP TRAINS)	6.900 KM	65
	4.670 KM (DOWN TRAINS)	6.900 KM	65
WEST FOOTSCRAY JUNCTION	NOTE: ABOVE SPEEDS APPLY FOR BOTH STANDARD AND BROAD MOVEMENTS ON DUAL GAUGE TRACK.		
	6.900 KM	8.600 KM	65
	8.600 KM	10.120 KM	80
TOTTENHAM JUNCTION	10.120 KM*	13.980 KM	95
	13.980 KM	14.500 KM	65
MCINTYRE LOOP	14.500 KM	24.380 KM	115
	16.000KM#	#ON LOOP EXIT BOTH ENDS	30
TULLAMARINE			
	24.380 KM	25.000 KM	95
	25.000 KM	26.200 KM	115
	26.200 KM	17.000 KM	80
	NOTE: 27 KM BECOMES 16 KM		
	17.000 KM	17.560 KM	115
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
	* ON CURVES BETWEEN		
	#MELBOURNE END LOOP EXIT		30

TOTTENHAM – LAVERTON			
LINE SEGMENT	EXCEPTION TO MAXIMUM SPEEDS LOCATION		RESTRICTED SPEED
	17.218 KM*	17.130 KM	30
TOTTENHAM	17.130 KM*	16.100 KM	50
	16.100 KM*	11.030 KM	60
	11.030 KM*	10.484 KM	40
* SPEEDS APPLY FOR BOTH STANDARD AND BROAD MOVEMENT ON DUAL GAUGE TRACK			
NEWPORT	NOTE: KILOMETRES DECREASING FROM TOTTENHAM TO NEWPORT AND INCREASING FROM NEWPORT TO PYRENEES		
	10.700 KM	11.220 KM	40
	11.220 KM	12.120 KM	80

6 D1 Special Speed Restrictions

MELBOURNE – LAVERTON		
LOCATION	MAXIMUM SPEED	
	WHEN RUNNING FROM LINES DIVERGING FROM THE STRAIGHT TRACK (KM/H)	WHEN RUNNING ON THE STRAIGHT TRACK (KM/H)
OVER FACING POINTS HELD BY HAND	15	15
BETWEEN TOTTENHAM AND NEWPORT (KILOMETRES DECREASING TOWARDS NEWPORT) TOTTENHAM JUNCTION GAUGE SEPARATION, BETWEEN 17.125 KM AND 17.100 KM FOR ANY BROAD GAUGE MOVE TO/FROM THE DUAL GAUGE (ACCOUNT DESIGN LAYOUT)	15 BROAD GAUGE	LINE SPEED FOR TYPE OF TRAIN
BROOKLYN BETWEEN 15.600 KM AND 15.560 KM FOR ANY MOVE TO/FROM THE WEST LINE OR TO/FROM SUNSHINE (ACCOUNT DESIGN LAYOUT)	15	LINE SPEED FOR TYPE OF TRAIN
NEWPORT (602 POINTS) BETWEEN 11.010 KM AND 10.970 KM FOR ANY MOVE TO/FROM THE WEST LINE	15	40
BETWEEN ARTC BOUNDARY AND LAVERTON	40	LINE SPEED FOR TYPE OF TRAIN
APPLETON DOCK LINE PARALLEL TO THE MELBOURNE OPERATIONS TERMINAL PAST SHUNT YARD		15 WHISTLE FREQUENTLY AND DIM HEADLIGHT

7 D1 Significant Kilometre Markings

The following locations on the network have kilometre posts that change on the ground and do not follow the measured distance between kilometre posts:

Jacana flyover location

- Tullamarine 22.706 km and Somerton is 22.737 km (Tullamarine is approximately 9 km before Somerton) (27 km becomes 16 km).