



**CODE OF PRACTICE
FOR
OPERATIONS & SAFEWORKING**

**NETWORK INTERFACE
CO-ORDINATION PLAN**

DOCUMENT No. TA02

Issue 2.3

30 June 2004

APPENDIX I

**PERMANENT SPEED
RESTRICTIONS**

DOCUMENT UNCONTROLLED WHEN PRINTED

**Shaded Sections of this Document have been superseded by
content in the
ARTC ROUTE ACCESS STANDARD**

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SCHEDULE OF AMENDMENTS

Number	Page or Clause	Summary of Amendments	Date Issued
Issue 2.1	Appendix - Page i and new page 11	Dry Creek to Outer Harbour Permanent speed restrictions added	27/03/01
Issue 2.2	Appendix I Permanent Speeds	All permanent speed changes promulgated via Train Notice since last issue now incorporated as below	30/06/03
	Section 10	Tottenham to Newport - section 10 And Special Speed restriction at 602 points – section 11 -- TN270/2003	30/06/03
	Section 3	Stirling North to Port Augusta speeds – TN 1797/2002 -- reissue of TN 1063/2001 and TN 814/2002	30/06/03
	Section 11	Appleton Dock line - speed past the MOT terminal - TN 974/2001	30/06/03
	Section 10	Tottenham to Newport - points at 15.6km to 15.560km - Special Speed restrictions -- TN 1565/2001	30/06/03
	Section 10	Maroona curve speed increase – TN 813/2002	30/06/03
	Section 10 & 11	References to Maddox Road speed limit and Gheringhap no 1 & 2 tracks removed in special speed restrictions – TN 1678/2001	30/06/03
	Section 10 & 11	Speed restriction at Inverleigh - 101.3km - TN 1641/2001	30/06/03
	Section 10	Speed restriction in Dimboola – Salisbury section – 384.070 to 387.110 – TN 1541/2002 & TN 1349/2002	30/06/03
	Section 11	Speed restriction for Trailer rail trains through UP track Bunbury tunnel repeated from section 13.2 of main TA02 document	30/06/03
	Section 11	Speed restriction at Tottenham 10.450km (=17.125/17.100km on ARTC track) for broad gauge turnout repeated from Vic Weekly Operational notice	30/06/03
	Section 5	Speed limit at Chandler overpass for 6500mm high loads - TN 918/2001 and TN 734/2003	30/6/03
Issue 2.3	Section 12	Speed limit Spencer Street to Albury – typo in 2 nd line of Spencer Street to West Footscray section – 1.710 km NOT 1.170km – as per TN 4456/1999	30/6/04
Issue 2.3	Section 9	Speed on approach to NR4 at Goodwood – TN 1423/2003 – reissued 625/2004	30/6/04
Issue 2.3	Section 5	Details for Alice Springs lime removed - TN 1424/2003	30/6/04
Issue 2.3	Section 1	90 and 40 k m per hour speeds at Dry Creek removed - TN 390/2004 repeated 627/2004	30/06/04
Issue 2.3	Section 8	Dry Creek to Gillman speeds increased – TN434/2004 & repeated 629/2004	30/6/04

Issue 2.3	Section 1	Speed on approach to AFT terminal entrance shown – TN 1216/2003	30/6/04
Issue 2.3	Section 5	New permanent speed between Tarcoola and API - TN 783/2004	30/6/04

PERMANENT SPEED RESTRICTIONS

1 MILE END TO CRYSTAL BROOK

PERMANENT SPEED RESTRICTIONS			
LINE SEGMENT	EXCEPTION TO MAXIMUM SPEEDS LOCATION	RESTRICTED SPEED	
	MILE END TO CRYSTAL BROOK		
MILE END	0.740 km *	2.680 km	40
	2.720 km *	4.060 km	80
	# 3.800 km	3.500 km	30
	# Up trains only approach to No. 22 Signal		
	4.095 km *	5.450 km	110
	# 6.850 km	7.750 km	50
	# A/C Mixed Gauge Diamond Cross Over		
	ISLINGTON FREIGHT TERMINAL – 10kph speed on approach to Islington South Freight Access Road Level Crossings at 7.731 on entrance to the Adelaide Freight Terminal as per sign erected.		
	# 11.750 km	11.800 km	50
	# A/C Mixed Gauge Diamond Cross Over		
BOLIVAR	12.465 km	12.895 km	110
	# 13.000 km	13.100 km	50
	# A/C Mixed Gauge Diamond Cross Over		
	13.336 km	13.619 km	100
	13.909 km *	14.368 km	80
	14.410 km	34.120 km	110
	34.120 km	34.580 km	100
	35.339 km	35.545 km	110
	38.619 km	39.239 km	90
	43.192 km *	44.016 km	90
TWO WELLS	44.243 km *	45.919 km	100
	54.619 km *	55.432 km	110
MALLALA	# 60.995 km *	62.431 km	90
	# Through Mallala Yard		
LONG PLAINS	69.351 km *	69.813 km	110
	76.318 km *	79.812 km	100
	85.837 km *	88.323 km	110
BOWMANS	103.940 km *	104.894 km	90
	105.707 km	106.057 km	110
	119.670 km *	125.380 km	100
NANTAWARRA	127.410 km *	131.980 km	110
	# 140.209 km *	146.974 km	100
SNOWTOWN	# Through Snowtown Yard		
	* On curves between		

MILE END TO CRYSTAL BROOK (Cont.)

PERMANENT SPEED RESTRICTIONS		
LINE SEGMENT	EXCEPTION TO MAXIMUM SPEEDS LOCATION	RESTRICTED SPEED
	MILE END TO CRYSTAL BROOK (Cont.)	
RED HILL	149.564 km *	155.848 km 110
	163.330 km *	165.610 km 110
	170.590 km *	172.308 km 100
	172.771 km	173.625 km 80
ROCKY RIVER	191.590 km	191.973 km 100
	195.543 km	196.004 km 100
	# 196.130 km	197.185 km 70
	# Through Triangle to Crystal Brook	
	** 50 ** SPEED THROUGH TRIANGLE ON APPROACH TO CLARE ROAD CROSSING (196.908km) ACCOUNT WARNING TIME	
CRYSTAL BROOK	# 196.003 km	197.250 km 70
	# Through Triangle to Broken Hill line	
	* On curves between	

3 COONAMIA TO SPENCER JCTN/TARCOOLA

PERMANENT SPEED RESTRICTIONS			
LINE SEGMENT	EXCEPTION TO MAXIMUM		RESTRICTED
	SPEEDS LOCATION		SPEED
COONAMIA TO SPENCER JCTN/TARCOOLA			
PORT GERMEIN	2.390 km	3.000 km	50
	6.260 km *	82.060 km	100
MAMBRAY CREEK WINNINOWIE	82.960 km	83.350 km	70
STIRLING NORTH			
PORT AUGUSTA	84.700 km	95.280 km	60
SPENCER JCTN	95.280 km	95.850 km	80
	97.870 km	98.930 km	100
TENT HILL HESSO	99.260 km *	111.210 km	80
	112.980 km *	146.530 km	100
	149.550 km *	153.450 km	80
	154.400 km	154.960 km	100
BOOKALOO	155.850 km *	158.580 km	80
	161.010 km *	200.120 km	100
	200.540 km *	202.440 km	80
	203.280 km	203.620 km	100
	204.350 km *	205.410 km	80
	205.610 km *	206.080 km	100
	206.700 km	207.300 km	80
McLEAY (209 km)	208.310 km *	217.100 km	100
	220.720 km *	224.990 km	80
	225.470 km *	228.590 km	100
	229.530 km *	229.980 km	80
	230.600 km *	235.090 km	100
	* on curves between		

COONAMIA TO SPENCER JCTN/TARCOOLA (Cont.)

PERMANENT SPEED RESTRICTIONS			
LINE SEGMENT	EXCEPTION TO MAXIMUM		RESTRICTED
	SPEEDS LOCATION		SPEED
	COONAMIA TO SPENCER JCTN/TARCOOLA (Cont.)		
WIRRAPPA (241km)	235.990 km *	252.130 km	80
	252.450 km *	254.530 km	100
	257.100 km *	262.030 km	80
PIMBA (273 km)	263.420 km *	289.380 km	100
	289.680 km *	291.530 km	80
BURANDO (311km)	291.940 km *	296.030 km	90
	297.240 km	297.560 km	100
	298.800 km *	314.020 km	80
	314.330 km *	326.110 km	100
	331.960 km *	335.120 km	80
WIRRAMINNA (342km)	337.830 km *	365.980 km	100
	367.850 km	368.330 km	80
KULTANABY (394 km) KINGOONYA (426.5 km)	369.560 km *	373.220 km	100
	374.160 km	374.650 km	80
	377.600 km *	455.800 km	100
	456.760 km *	459.100 km	80
FERGUSON (468 km)	459.240 km *	464.890 km	90
	465.590 km	474.890 km	100
	476.620 km *	477.980 km	90
TARCOOLA (504.5 km)	482.990 km *	492.670 km	100
	497.440 km *	508.550 km	80
	516.300 km	516.790 km	100
MALBOOMA (541.5km)	519.930 km	520.450 km	80
	524.170 km *	541.110 km	100
	548.290 km *	558.480 km	80
	562.460 km	562.960 km	100
	* on curves between		

4 TARCOOLA TO KALGOORLIE

PERMANENT SPEED RESTRICTIONS			
LINE SEGMENT	EXCEPTION TO MAXIMUM		RESTRICTED
	SPEEDS LOCATION		SPEED
	TARCOOLA TO KALGOORLIE		
LYONS (565 km)	570.040 km	570.470 km	80
	571.170 km *	588.690 km	100
	590.460 km *	596.030 km	80
WYNBRING (604km)	604.640 km *	611.180 km	100
	612.550 km *	613.840 km	90
	614.640 km	614.920 km	100
	616.100 km	616.510 km	80
	617.420 km *	619.630 km	70
	622.480 km	622.870 km	90
	625.320 km	625.690 km	100
	629.900 km	629.410 km	90
	631.050 km *	632.950 km	70
MOUNT CHRISTIE (638 km)	633.530 km	641.860 km	80
	643.060 km *	645.580 km	100
	645.820 km	646.160 km	90
	646.460 km	649.620 km	100
	649.620 km *	651.050 km	90
	653.830 km	654.130 km	80
	655.380 km *	657.370 km	90
	657.690 km *	659.720 km	70
	661.430 km *	668.750 km	80
	669.410 km *	671.850 km	100
	672.650 km *	677.090 km	80
	677.620 km *	681.250 km	100
	681.980 km *	691.380 km	80
	692.480 km *	693.670 km	100
	BARTON (694 km)	695.030 km *	701.570 km
702.110 km *		719.900 km	80
720.760 km *		723.160 km	90
	* on curves between		

TARCOOLA TO KALGOORLIE (Cont.)

PERMANENT SPEED RESTRICTIONS			
LINE SEGMENT	EXCEPTION TO MAXIMUM		RESTRICTED
	SPEEDS LOCATION		SPEED
	TARCOOLA TO KALGOORLIE (Cont.)		
BATES (724 km)	724.040 km *	776.260 km	80
OOLDEA (775 km)	780.490 km *	797.110 km	100
LOONGANA (1240 km)	1284.240 km	1284.620 km	80
	1285.100 km	1285.570 km	100
COONANA (1610 km)	1618.120 km *	1620.410 km	80
	1622.080 km	1622.600 km	110
CURTIN (1721 km)	1734.010 km *	1740.530 km	110
	1742.940 km	1743.120 km	100
	1746.860 km	1747.170 km	110
	1754.290 km	1754.670 km	100
	1755.030 km	1755.370 km	110
	1756.760 km *	1758.990 km	100
GOLDEN RIDGE (1758 km)	1764.060 km	1764.300 km	100
PARKESTON (1776 km)	1776.540 km	1776.800 km	50
	1777.320 km *	1779.290 km	70
	1779.610 km	1780.120 km	80
	1780.240 km *	1781.000 km	60
KALGOORLIE			
	* on curves between		

5 TARCOOLA TO API

PERMANENT SPEED RESTRICTIONS			
LINE SEGMENT	EXCEPTION TO MAXIMUM		RESTRICTED
	SPEEDS LOCATION		SPEED
Tarcoola to API (510.850)	509.800km	509.900km	70
	Asia Pacific Interface - to Darwin Refer to Australian Railroad Group		

6 SPENCER JCTN TO WHYALLA

PERMANENT SPEED RESTRICTIONS		
LINE SEGMENT	EXCEPTION TO MAXIMUM SPEEDS LOCATION	RESTRICTED SPEED
	SPENCER JCTN TO WHYALLA	
SPENCER JCTN	96.090 km	96.810 km
	96.960 km	98.060 km
WHYALLA	108.360 km *	166.360 km
		80
		90
		100
	* on curves between	

8 DRY CREEK TO OUTER HARBOUR

PERMANENT SPEED RESTRICTIONS			
LINE SEGMENT	EXCEPTION TO MAXIMUM SPEEDS LOCATION	RESTRICTED SPEED	
	DRY CREEK JUNCTION TO OUTER HARBOUR		
DRY CREEK JUNCTION TO GILLMAN JUNCTION	8.200 km	7.914 km	30
	7.914 km	4.180 km	60
	4.180 km	3.500 km	30
GILLMAN JUNCTION PORT FLAT	3.500km	2.300 km	25
GILLMAN JUNCTION PORT ADELAIDE	3.500 km	1.000km	30
GLANVILLE PELICAN POINT	13.700 km	22.300 km	25

9 MILE END TO WOLSELEY

PERMANENT SPEED RESTRICTIONS			
LINE SEGMENT	EXCEPTION TO MAXIMUM		RESTRICTED
	SPEEDS LOCATION		SPEED
	MILE END TO WOLSELEY		
MILE END	3.590 km	3.930 km	40
	3.930 km	5.190 km	90
GOODWOOD	5.190 km	5.540 km	55
On approach to NR 4 signal Melbourne to Adelaide direction only	5.898 km	5.398 km	25
	Countdown distance marker boards also installed on approach to NR4		
	5.540 km	8.310 km	90
	8.310 km	8.840 km	60
	8.840 km	11.240 km	90
	11.240 km	12.830 km	70
	12.830 km	19.750 km	60
	19.750 km	21.800 km	55
BELAIR	21.800 km	23.020 km	75
	23.020 km	31.340 km	50
MT LOFTY	31.340 km	39.650 km	55
	39.650 km	42.290 km	50
	42.290 km	42.700 km	55
	42.700 km	45.200 km	60
	45.200 km	45.700 km	50
BALHANNAH	45.700 km	49.570 km	75
	49.570 km	52.400 km	55
	52.400 km	52.630 km	50
	52.630 km	54.570 km	55
	54.570 km	59.330 km	65
	59.330 km	59.770 km	60
	59.770 km	62.000 km	65
PETWOOD	62.000 km	62.600 km	55
	62.600 km	66.500 km	60
	66.500 km	72.010 km	75
	72.010 km	72.860 km	100
	72.860 km	75.810 km	105
	75.810 km	77.110 km	70
MONARTO SOUTH	85.080 km	89.060 km	105
	89.060 km	91.630 km	60
	91.630 km	91.800 km	75
	91.800 km	96.210 km	100
MURRAY BRIDGE	96.210 km	96.700 km	60
	96.700 km	98.100 km	50
	98.100 km	99.820 km	70

MILE END TO WOLSELEY (Cont.)

PERMANENT SPEED RESTRICTIONS		
LINE SEGMENT	EXCEPTION TO MAXIMUM SPEEDS LOCATION	RESTRICTED SPEED
MILE END TO WOLSELEY (Cont.)		
TAILEM BEND COOMANDOOK COONALPYN TINTINARA COOMBE KEITH WIRREGA BORDERTOWN WOLSELEY	294.070 294.640 300.800	294.640 295.610 301.440 75 100 100

10 TOTTENHAM TO WOLSELEY

PERMANENT SPEED RESTRICTIONS			
LINE SEGMENT	EXCEPTION TO MAXIMUM	RESTRICTED	
	SPEEDS LOCATION	SPEED	
TOTTENHAM TO WOLSELEY			
TOTTENHAM	17.218 km ❖	17.130 km	30
	17.130 km ❖	16.100 km	50
	16.100 km ❖	11.030 km	60
	11.030 km ❖	10.484 km	40
NEWPORT	❖ Above speeds apply for both standard and broad movement on dual gauge track		
	Note: Kilometrage decreasing from Tottenham to Pyrenees		
MANOR	10.700 km	11.220 km	40
	11.220 km	12.120 km	80
	66.620 km	67.050 km	100
	67.050 km	68.480 km	80
NORTH GEELONG	68.480 km	71.540 km	50
	Note: 69 km becomes 71 km		
	71.540 km	72.640 km	65
GHERINGHUP	Broad gauge maximum speed on dual gauge		80
	81.550 km	81.660 km	30
	93.020 km	94.660 km	90
INVERLEIGH WINGEEL	94.660 km	96.720 km	100
	101.300 km	101.500 km	80
	136.680 km	137.850 km	90
BERRYBANK	137.850 km	138.450 km	70
	164.850 km	165.830 km	100
VITE VITE TATYOON	175.750 km	176.080 km	100
	243.810 km	243.000+ km	90
MAROONA	Note: 243 km to 244 km is a long kilometre		
		1290m	
	262.750 km	263.780 km	100
	263.780 km	264.690 km	70
	264.690 km	265.920 km	75
PYRENEES	Note: 269 km becomes 215 km		
	222.160 km	222.420 km	105
	222.420 km	226.490 km	110
	226.490 km	227.200 km	95

TOTTENHAM TO WOLSELEY (Cont.)

PERMANENT SPEED RESTRICTIONS		
LINE SEGMENT	EXCEPTION TO MAXIMUM SPEEDS LOCATION	RESTRICTED SPEED
	TOTTENHAM TO WOLSELEY (Cont.)	
GREAT WESTERN	239.390 km	243.150 km
	247.880 km	248.260 km
DEEP LEAD LUBECK	298.700 km	299.700 km
	326.060 km	326.830 km
MURTOA HORSHAM	326.830 km	328.480 km
	340.490 km	344.820 km
PIMPINIO LOOP DIMBOOLA	378.640 km	379.070 km
	384.070 km	387.110 km
SALISBURY DIAPUR	417.420 km	419.160 km
	437.890 km	438.280 km
KANIVA		
LEEOR		

11 SPECIAL SPEED RESTRICTIONS

MELBOURNE TO WOLSELEY SPECIAL SPEED RESTRICTIONS		
LOCATION	MAXIMUM SPEED	
	WHEN RUNNING FROM LINES DIVERGING FROM THE STRAIGHT TRACK KPH	WHEN RUNNING ON THE STRAIGHT TRACK
Over facing points held by hand	15	15
Between Tottenham and Newport (kilometres decreasing towards Newport) Tottenham Junction Gauge Separation, between 17.125km and 17.100km for any broad gauge move to/from the dual gauge (account design layout)	15 Broad Gauge	Line Speed for Type of Train
Brooklyn between 15.600km and 15.560km 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 11.010km and 10.970 km for any move to/from the west line	15	40
Between Spencer Street and Wolseley Except at: Manor Loop, Gheringhap, Wingeel Loop, Berrybank Loop, Vite Vite Loop, Tatyoon Loop and Maroona	40	Line Speed for Type of Train
Murtoa and Dimboola	65	Line Speed for Type of Train
Lubeck Loop and Murtoa Loop	40	Line Speed for Type of Train
Pyrenees Loop, Great Western Loop, Deep Lead Loop, Pimpinio Loop, Dimboola Loop, Salisbury Loop, Diapur Loop, Kaniva Loop and Leer Loop	65	Line Speed for Type of Train
Maximum speed for Trailer Rail trains on the UP line through Bunbury Street Tunnel		25
Appleton dock line parallel to the Melbourne Operations Terminal past shunt yard		15 Whistle frequently & dim headlight

12 MELBOURNE (SPENCER STREET) TO ALBURY

PERMANENT SPEED RESTRICTIONS			
LINE SEGMENT	EXCEPTION TO MAXIMUM		RESTRICTED
	SPEEDS LOCATION		SPEED
MELBOURNE (SPENCER STREET) TO ALBURY			
SPENCER STREET	0.000 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 (for up trains)	7.140 km	65
	4.670 km (for down trains)	7.220 km	65
	7.140 km (for up trains)	7.290 km	50
WEST FOOTSCRAY JUNCTION	Note: Above speeds apply for both standard and broad movements on dual gauge track		
	7.220 km (for down trains)	7.290 km	40
TOTTENHAM JUNCTION	7.290 km	9.930 km	80
	10.040 km *	13.980 km	95
McINTYRE LOOP TULLAMARINE LOOP	13.980 km	14.500 km	65
	14.500 km	24.380 km	115
SOMERTON LOOP	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
DONNYBROOK LOOP	19.380 km	21.270 km	125
	25.660 km	26.020 km	125
WALLAN LOOP	34.800 km	35.310 km	125
	51.210 km	52.000 km	115
BROADFORD LOOP	53.520 km	54.190 km	115
	54.910 km	55.430 km	115
	57.200 km	60.010 km	115
	61.210 km	63.360 km	115
	63.580 km	64.210 km	115
	71.730 km	73.560 km	115
	73.570 km	74.430 km	115
	75.260 km	78.580 km	105
* on curves between			

MELBOURNE (SPENCER STREET) TO ALBURY (Cont.)

PERMANENT SPEED RESTRICTIONS			
LINE SEGMENT	EXCEPTION TO MAXIMUM		RESTRICTED
	SPEEDS LOCATION		SPEED
	MELBOURNE (SPENCER STREET) TO ALBURY (Cont.)		
TALLAROOK LOOP	97.550 km	99.050 km	80
SEYMOUR	99.200 km	100.170 km	100
SEYMOUR LOOP	108.995 km	109.910 km	115
	117.840 km	118.425 km	125
	136.125 km	136.465 km	125
LONGWOOD LOOP	138.770 km	139.400 km	125
VIOLET TOWN LOOP	195.520 km	195.840 km	115
BENALLA LOOP	216.990 km	217.590 km	120
GLENROWAN LOOP	217.930 km	218.510 km	125
	218.950 km	220.580 km	105
ALLUMATTA LOOP	239.615 km	240.335 km	115
	251.325 km	251.970 km	125
CHILTERN LOOP	257.420 km	257.710 km	120
	273.635 km	273.950 km	125
	290.880 km	291.965 km	125
WODONGA LOOP	294.920 km	295.670 km	125
	298.000 km	300.467 km	115
WODONGA	300.467 km	301.630 km	40
	301.630 km	304.140 km	80
MURRAY RIVER			

13 SIGNIFICANT KILOMETRE MARKINGS - Changes at a Location

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

North East line – Tottenham to Albury

Jacana flyover location - Tullaramarine 22.706 km and
 Somerton is 22.737 km
 (Tullaramarine is ~9kms before Somerton)
 (27 km becomes 16 km)

Tottenham JCN to SA Border

Tottenham 17.242km decreasing to Newport 10.484kms increasing
 Newport 10.700kms increasing to North Geelong 69kms decreasing
 North Geelong 71kms increasing to Maroona 244.524 kms decreasing
 Maroona 244.000 kms increasing to Ararat 265.344 kms decreasing
 Ararat 265.000kms increasing to Pyrenees 269.000 kms decreasing
 Pyrenees 215.000 kms increasing to SA border 463.610 kms decreasing

SA border to Parkeston

SA border 313.209km decreasing to Keswick 3.44km
 Keswick 0 km increasing to Crystal Brook 197.2 km
 Crystal Brook 22.8 km decreasing to Coonamia 0 km
 Coonamia 0 km increasing to Kalgoorlie

Coonamia to Broken Hill

Coonamia 0 km increasing to Broken Hill