

**SECTION 10
LOCOMOTIVE AND
ROLLING STOCK DATA**

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EXPLANATION OF NOTES:

FOR LOCOMOTIVE AND ROLLING STOCK DATA

a These vehicles when loaded to a maximum of 80 tonnes are restricted to routes and speeds as follows when so loaded:

At a maximum of 80 km/h	At a maximum of 70 km/h
Islington / Woodville Junction – Brisbane Parkes - Broken Hill Macarthur – Albury Unanderra – Moss Vale Maitland - Muswellbrook - Gulgong	Gulgong - Merrygoen – Dubbo Dubbo - Narromine - Parkes Cootamundra - Stockinbingal - Parkes

a2 These vehicles when loaded to a maximum of 80 tonnes are restricted to routes and speeds as follows when so loaded:

At a maximum of 70 km/h	At a maximum of 60 km/h
Gulgong - Merrygoen – Dubbo Dubbo - Narromine - Parkes Cootamundra - Stockinbingal - Parkes	Cootamundra – Cootamundra West Cootamundra North Jcn – Cootamundra West

b These vehicles must operate on Class 1, 1C, 1XC and Parkes to Cootamundra only when loaded to **92 tonnes** (for 4 axles) gross or **23 tonnes per axle** at a maximum speed of **80 km/h**. Between Cootamundra West & Cootamundra North (both directions) vehicles loaded to **92 tonnes** (for 4 axles) gross or **23 tonnes per axle** can operate at a maximum speed of **25 km/h**. Wheel tread hollowing must not exceed 2mm.

c These vehicles must operate on Class 1, 1C, 1XC and Parkes to Cootamundra only when loaded to **84 tonnes** (for 4 axles) gross or **21 tonnes per axle** at a maximum speed of **100 km/h**.

d Vacant

e When loaded from **78** up to a maximum of **81** tonnes gross mass **Class E** speeds will apply.

e2 When loaded from **78** up to a maximum of **81** tonnes gross mass **Class E** speeds apply on all lines except class 1, 1C and 1XC lines.

f When loaded with coke to count as 80 tonnes

g Maximum speed when loaded to maximum gross mass-
Class 1 track 65 km/h, **Class 1C track** 65 km/h, **Class 1XC track** 80 km/h Maximum speed when empty 80 km/h

h Not permitted to run on Classes 2,3,4,5 track.

i When loaded to a gross mass of 80 tonnes Class 'C' speed classification can be used.

j Fuel/oil tanks 70 km/h unless stencilled for 80 km/h

k Bogie tank wagons – maximum gross mass and length. Individual vehicles may vary. The following NTAf wagons only have a rivetted underframe and must therefore be classified as Low DRAW CAPACITY (0.75) when calculating trailing loads :- Nos. 5193, 5194, 6006, 6010, 6011, 6019, 6034, 6046, 6055, 6063, 6065, 6066, 6069, 6073, 7276.

l These wagons are not allowed to pass sheep and cattle races, loading platforms, loading banks, stages and other structures erected at platform clearances to heights exceeding 1.372 metres above rail level. They are not permitted to pass through enclosed goods sheds and sheds or buildings erected over hoppers in private sidings or be placed in sidings or on other tracks where the track centres and clearances are known to be restricted.

m As these locomotives are not fitted with de-sanding equipment, when operating as single units or as trailing units in multiple unit consists, **(in track circuted areas only)** the sanding equipment **must be isolated**. If adhesion conditions requires the use of sand, the sand equipment may be cut in and the train worked under block working conditions until the sand equipment is again isolated. If sand equipment is applied continuously or excessively, Train Control must be advised immediately and the procedures of **ANGE232** followed.

n Each individual wagon of the pair shall have a gross mass not exceeding 76 tonnes. The maximum mass at rail for either the centre bogies in the wagon pair shall not exceed 38 tonnes at rail.

o Only to operate in approved areas as outlined in **SECTION 1 – Route Standards Page 1** as applicable to the ARTC lease network only.

p These vehicles can operate loaded beyond their published gross mass up to a maximum of **80 tonnes** or **20 tonnes per axle** on the following Class 2 lines at the maximum speed of **70km/h**:
 Gulgong – Merrygoen – Dubbo; Dubbo – Narromine – Parkes

q When loaded to a gross mass exceeding 84 tonnes up to 87 tonnes, these vehicles may operate up to a maximum speed of 80km/h on Class 1 Main line. Wheel tread hollowing shall not exceed 2mm.

r These vehicles may operate when loaded up to **84 tonnes** (for 4 axles) gross or **21 tonnes per axle** to a maximum speed of **115 km/h** between:

- **Macarthur and Albury** (except between Bundanoon and Marulan)
- **Parkes and Broken Hill**
- **Islington/Woodville Junction and Acacia Ridge**
- **Cootamundra to Parkes**

On all other Class 1, 1C or 1XC track the vehicle may operate up to a maximum speed of **100 km/hr** when loaded up to **84 tonnes** (for 4 axles) gross or **21 tonnes per axle**.

s This container wagon can be loaded to a maximum height of **4050mm** above rail and operate within the area of operation assigned to Diagram 3 as outlined in **SECTION 5 – Loading Restrictions Page 7** as applicable to the ARTC lease network only.

t These vehicles are permitted to operate at a maximum gross mass of 92 tonnes on the class 2 line between Narrabri and North West Commodities at speeds up to but not exceeding 60km/h and between IPS sidings and Narrabri at speeds up to but not exceeding 40km/h. —Note these speeds do not override the current speed limits applying for the above wagon classes between Narrabri Junction and Narrabri West PLUS Narrabri North Junction and Narrabri West as per section 6 of the North Section pages of the ARTC TOC Manual.

u **ARTICULATED WAGONS:** Care must be taken when loading articulated wagons that individual maximum axle loads are not exceeded. The maximum axle load for the stated total wagon gross mass can be found in the following tables:

2 Platform Wagon (6 axles)

Gross Mass (t)	114	120	126	138
Max allowable axle load on wagon (t)	19	20	21	23

3 Platform Wagon (8 axles)

Gross Mass (t)	152	160	168	184
Max allowable axle load on wagon (t)	19	20	21	23

5 Platform Wagon (12 axles)

Gross Mass (t)	228	240	252	276
Max allowable axle load on wagon (t)	19	20	21	23

BRAKE NOTES

B1	Any position in the first 900 metres of train
B2 & B3	Any position in the first 1500 metres of train
B4	Any position in train
ECP	Any position in train (all locomotives and wagons ECP braked)
••	Indicates that the vehicle is fitted with a “two pipe” air brake system. The main reservoir air recharges the air brake system.
•□	Indicates that the vehicle is fitted with a main reservoir pipe but it does not recharge the air brake system. This vehicle can be marshalled anywhere in a two pipe train but is not categorized as a “two pipe” vehicle

3801 Limited Eveleigh - Locomotives

CODE	CATEGORY		DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	LIVE WEIGHT (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	POWER (HP)	REMARKS	General Notes
	SPEED	LOAD								
3830			Steam Loco	115	201	23.3	0.90		Max speed tender first 40 km/h	
3112			Steam Loco	80	73	12.2	0.90		Max speed 80 km/h both directions	
44	S9	L12	Diesel	115	108	17.8	0.90	1800	Ex SRA Loco	
45	S9	L12	Diesel	115	112	17.9	0.90	1800	Ex SRA Loco	
48	S13	L13	Diesel	100	75.2	14.8	0.90	900	Ex SRA Loco	
49	S13	L13	Diesel	100	81	15.4	0.90	900	Ex SRA Loco	
73	S14	L14	Diesel	70	50	12.0	0.90	650	Ex SRA Loco	
SMR			Steam Loco	60	82	13.3	0.90		Nos 10 & 18 Max speed 60 km/h both directions	

3801 Limited Eveleigh - Passenger Rolling Stock

CODE	DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	MAX LOADED MASS (tonne)	PASSENGER CAPACITY	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	REMARKS
ABN	Crew car	115	44	--	20.3	0.5	No 2194
BCS	Lounge	115	41	40	23.4	0.50	No 2357
CPJ	Lounge	115	48	55	22.7	0.30	No 924 End protection fitted. Wooden body
EHG	Guard/Crew	115	30	..	12.5	0.50	No 2409 Guards compartment
FN	Economy	115	41	78	20.3	0.30	No 2193
FNR	Buffet	115	43	24	20.3	0.50	No 2185
FRN	Buffet	115	43	24	20.3	0.50	No 2186
HFS	Economy	115	40	56	20.4	0.30	No 2089 Guards compartment.
GMS1	Lounge / Observation car	115	43	34 sitting 2 berths	20.5	0.50	Ex BS2170
L516	Crew van	80	50	20 berths	22.1	0.30	Original classification TAM516
MBR	Economy	115	42	24	20.4	0.30	No 2078 Buffet car
MFS	Economy	115	40	70	20.4	0.30	Nos 2028,2096,2121,2145
SBN	First	115	44	42	20.3	0.50	No 2195
SFN	Economy	115	41	64	20.3	0.50	No 2182
XFS	Economy	115	40	64	20.4	0.30	Nos 2015

3801 Limited Eveleigh - Freight Rolling Stock

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
KHG	Guard's van No 34226	A	30	24	13.1	0.70	B2	
L229	Water Gin 80km/h when fully loaded or empty 22750 litres	D	42.5	20.1	12.0	0.50	B1	
L1174	Water Gin 31850 litres	C	55.0	22.5	15.0	0.50	B1	
L1186	Water Gin	C	55.0	22.5	15.0	0.50	B1	
NHWF	Ballast wagon Nos 745, 799, 1169	C	61.0	20.0	11.8	0.75	B1	

Australian Traction Corporation - Locomotives

CODE	CATEGORY		DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	LIVE WEIGHT (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	POWER (HP)	REMARKS	General Notes
	SPEED	LOAD								
103	S9	L12	Diesel	115	112	17.8	0.90	1800	Ex SRA 45 class loco	
48	S13	L13	Diesel	100	75.2	14.8	0.90	900	Ex SRA Loco	
18	S7	L10	Diesel	90	120	17.9	0.75	2000	Ex Westrail NB class loco Fuel 4000 litres	
45	S9	L12	Diesel	115	112	17.9	0.90	1800	Ex SRA 45 class	

Australian Traction Corporation - Freight Rolling Stock

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1	
EQAX	Container flat.(ex BHP) Wagon No 10	C	76	21.7	20.1	0.75	B1	s	
			80					p,s	
			92					b,s	
EQAX	#Container flat.(ex BHP ex PT wagon)	C	76	21.7	20.1	0.75	B1	s	
			80					p,s	
			92					b,s	
#	These vehicles are not fitted with grade control valves or fixed exhaust chokes. Restrictions apply if operating on the Main West. Refer to Railcorp and CRN operating requirements on this line. If operating LOADED from Werris Creek to Murrurundi, Murrurundi to Werris Creek these vehicles must not exceed 50% of the train mass. If operating EMPTY no restrictions apply.								

Australian Railway Historical Society A.C.T. Division – Locomotives

CODE	CATEGORY		DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	LIVE WEIGHT (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	POWER (HP)	REMARKS	General Notes
	SPEED	LOAD								
1210			Steam Loco	80*	64	14.70	0.75		*Max speed tender first 25 km/h	
3016			Steam Loco	80*	101.5	17.60	0.75		*Max speed tender first 40 km/h	

44	S9	L12	Diesel	115	108	17.80	0.90	1800	
48	S13	L13	Diesel	100	75.2	14.80	0.90	900	2250 litres of fuel
73	S14	L14	Diesel	70	50	12.00	0.90	650	Nos 20 & 24 not to lead or run as a single unit

Australian Railway Historical Society A.C.T. Division – Rail Motors

CODE	DESCRIPTION OF VEHICLE	MAX SPEED km/h	MAXIMUM LOADED MASS TONNES	PASSENGER CAPACITY	LENGTH OVER COUPLING FACES (m)	DRAW CAPACITY MN	REMARKS
CPH27	Rail Motor	80	25	43	13.6	Small Hook	
CPH37	Rail Motor	80	25	43	13.6	Small Hook	

Australian Railway Historical Society A.C.T. Division – Passenger Rolling Stock

CODE	DESCRIPTION OF VEHICLE	MAX SPEED km/h	MAXIMUM LOADED MASS TONNES	PASSENGER CAPACITY	LENGTH OVER COUPLING FACES (m)	DRAW CAPACITY MN	REMARKS
BAM	Sleeper	115	44	14 Berths	20.3	0.50	Nos 1741,1743, 2189
BAM	Sleeper	115	44	10 Berths	20.3	0.50	Nos 1748
BHM	Sleeper	115	44	14 Berths	20.3	0.50	No 1738 Guards compartment
BI	First	80	25	50	15.5	0.15	No 1127, 1175 Wooden body
BJ	End Platform car	80	30	30	17.6	0.20	No 897 Wooden body. Non auto equipped
BSR	Buffet	115	40	24	20.4	0.30	No 2031
BVJ	Lounge	80	26	36	17.9	0.20	No 1457 Wooden body
BVS	Lounge/Dance	115	40	--	20.4	0.30	No 2166
DAM	Twinette sleeper	80	46	18 berths	23.4	0.50	No 2333
FS	Economy	115	40	64	20.4	0.30	Nos 2021,2023,2082,2140
HCX	Composite	80	27.4	28	16.3	0.20	No 632 Wooden body Hook drawgear.
HFO	Economy	80	25	36	16.2	0.15	Nos 1111,1276 Wooden body
HN	Economy	115	41	52	20.3	0.50	No 2198 Guards compartment
LAN	Sleeper	115	46	20 Berths	23.4	0.50	No 2348, 2372
MHN	Equipment van	115	46	24	23.4	0.50	No 2366
NAM	Sleeper	115	46	20 Berths	23.4	0.50	No 2335, 2374, 2341
PHN	Power Van	115	54	--	23.4	0.50	No 2381
RFN	Refreshment	115	44	32E	20.3	0.50	No 1739
RMS	Buffet diner	115	46	48	23.4	0.50	No 2360
SCN	Composite	115	44	12F + 32E	20.3	0.50	No 1740
TAM	Sleeper	115	50	20 Berths	22.1	0.30	No 906 Wooden body
TDS	First Class	115	41	48	21.5	0.50	No 2247

Australian Railway Historical Society A.C.T. Division – Freight Rolling Stock

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
MHG	Bogie brake van No 11823	A	31	22	12.4	0.90	B1	
NDXF	Sleeper wagon No. 2718	C	74	19	15	0.75	B2	
NFEF	Bogie flat wagon No. 22313	C	60	20	13.1	0.75	B1	
NHWF	Ballast wagon Nos 679D & 773C	C	61	20	11.8	0.75	B1	
NOGF	Open wagon No. 5251 (ex L226)	C	72	20	13.1	0.75	B1	
NTAF	Tank wagon Nos 7079, 7120	C	76	28	18.1	0.90	B1	
NZWF	Bogie flat wagon No. 12223	C	61	19	13.1	0.75	B2	
PHG	Power Van (No 12720 converted MHG)	A	31	22	12.4	0.90	B1	

Australian Rail Track Corporation Ltd - Special Purpose Rolling Stock

CODE	DESCRIPTION	CLASS	MAX GROSS MASS TONNES	TARE TONNES	LENGTH METRES	DRAW CAPACITY MN	BRAKE TYPE	NOTES See Page 1
AH	Accommodation van No 811 Steel bodied	A	--	42	20.4	0.30		
AK%	Track Inspection Non - Air con. Wooden body No 812 6 berths	A	--	48	22.7	0.30		
AK	Track Inspection No 2382, 2383 and 2384 Ex FAM sleeper	A	--	49	23.8	0.50	B2	
AZTP	Research car No 400	A	--	28.6	15.2	0.89		#
#	Test personnel may be on board. Observation end does not have brakes							
LIV	Loco Test Car 6 Berths Non - Air conditioned	A	--	40	20.4	0.30	B2	

% Wooden bodied vehicle fitted with end protection steel beams.

Australian Rail Track Corporation Ltd – Freight Rolling Stock

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Track Maintenance Vehicles								
ADSF	Concrete sleepers (Ex NDAF)	C	76	18.6	14.6	1.80	B3	
AHWF	Ballast Hopper	C	56.5	18.0	10.3	1.30	B2	++
++	To operate only between South Australian border and Broken Hill Ballast siding. Not permitted to travel past Broken Hill platform (out of gauge)							

AHWL	Ballast Hopper	C	56.5	18.0	10.3	1.30	B2	++
++	To operate only between South Australian border and Broken Hill Ballast siding. Not permitted to travel past Broken Hill platform (out of gauge)							
AHWX	Ballast hopper	C	74.5	18.0	10.3	1.30	B2	I
AZRL	Rail transport	C	63	17.3	14.3	1.30	B2	
AZZX	Ballast plough No. 2599	C	33.0	33.0	14.6	1.30	B2	o
AZZX	Ballast plough Nos. 1,2 and 3	C	37.6	37.6	11.8	1.30	B2	o
NDAF	Timber sleepers. Mechanical unloader	C	76	21	14.6	1.80	B3	
NDFD	Ballast air operated discharge door	C	74	20	11.9	1.80	••B3	
OPERATION OF NDFD WAGONS OUTSIDE A WORKSITE WHEN UNEVENLY LOADED								
The NDFD ballast wagons shall not leave a worksite with an excessive load imbalance. This can result in a derailment of the vehicle. An excessive load imbalance can result when more ballast is discharged from the outer doors on one side of the wagon than that of the other side. Under exceptional circumstances, the worksite supervisor may arrange for an excessively unbalanced wagon to be taken to the nearest siding for detachment from the train in order to clear the section. In this case, the following operating conditions shall apply:								
1. The unbalanced wagon is not to exceed a maximum speed of 25 km/h.								
2. The unbalanced wagon must not pass another unbalanced NDFD wagon (whether stationary or in motion), on parallel lines where the load imbalance causes both wagons to lean towards one another.								
3. The driver of the train conveying the unbalanced wagon must be informed of the load imbalance.								
4. Personnel on or about the track must remain a safe distance from the unbalanced wagon during its movement, and they shall be warned that there is danger of derailment.								
5. The unbalanced wagon is not to travel further than the nearest practical location in order to clear the section.								
NDFP	Ballast plough	C	24	24	12.5	1.80	B2	
NDRF	Welded rail	C	67	22	14.6	0.75	B2	#
# Specific Nos: 1951, 2333, 2321, 2337, 2337, 2330, 2334, 1972, 1918, 1959, 2331, 1967, 2305, 2323, 1976, 2340								
NDRF	Welded rail (numbered 2301 to 2347 only)							
	8 Permanently coupled rail sets (32 axles)	C	512	152	116.8	0.90	B2	
	9 Permanently coupled rail sets (36 axles)	C	576	171	131.4	0.90	B2	
NFAF	Non container flat	C	61	19	14.6	0.75	B2	
NFBF	Non container flat	C	62	20	14.6	0.75	B2	
NFCF	Non container flat	C	50	21	13.1	0.75	B2	
NFDF	Non container flat	C	63	22	14.6	0.75	B2	
NFEF	Non container flat	C	25	20.4	12.5	0.75	B2	
NHBF	Ballast	C	61	19	12.4	1.80	B3	
NHWA	Ballast wagon	D	61	20	11.8	0.75	B2	
NHWF	Ballast wagon	C	61	20	11.8	0.75	B2	
NOBX	General purpose, timber floor	C	76	22	15.0	0.75	B2	
			80					a
NZBF	Ballast plough	C	33	33	11.6	0.75	B2	
NVBZ	Brake van	A	20	20	13.5	0.75	B2	

Australian Transport Network - Locomotives

CODE	CATEGORY		DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	LIVE WEIGHT (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	POWER (HP)	REMARKS	General Notes
	SPEED	LOAD								
L	S2	L6	Diesel	100	137	20.220	1.80	3000	13000 Litres fuel Ex WAGR	m
830	S13	L13	Diesel	100	71.4	14.800	0.90*	900		

Australian Transport Network – Freight Rolling Stock

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Hopper Wagons								
XGAY	Grain Hopper	B	76	24.4	16.5	2.2	B3	
			80					a
			84					c
			92					b

Australia Western Railroad (A.R.G.) – Freight Rolling Stock

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Covered Wagons								
WBAX	Covered van	C	76	25	18.0	1.30	B3	
			80					a
WBNX	Covered van	C	76	25	18.0	1.30	B3	
			80					a

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Flat Wagons								
WFDY	Flat	C	76	27	17.4	1.30	B3	
WFEX	Flat	C	70	20	18.0	1.30	B3	

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Automobile carriers								
WMFX	Car carrier 8 or 10 vehicles	C	26	15	23.7	1.30	B3	

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Open Wagons								
WOAX	Open	C	76 80	25	18.0	1.30	B3	a
WODX	Open	C	76 80	26	18.0	1.30	B3	a
WOSF	Open	C	76 80	26	18.0	1.30	B3	a
WOSX	Open high sided	C	76 80	26	18.0	1.30	B3	a

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Container Wagons								
WQBX	Container flat	C	76 80	24	23.7	1.30	B3	a
WQCX	Container flat	C	76 80	23	20.1	1.30	B3	s a,s
WQCY	Container flat	B	76 80	22	20.1	1.30	B3	o,s a,o,s
WQTY	Container flat	C	76 80	24	20.1	1.30	B3	s a,s

Australian Wheat Board – Freight Rolling Stock

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
WGBY	*2 permanently coupled grain wagons	B	76 80 84 82	24	*32.6	1.80	B4	p c b
WGSY	Grain	B	76 80 84 92	24	16.5	1.80	••B4	u p,u c,u b,u

Barry Martin Communication - Passenger Rolling Stock

CODE	DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	MAX LOADED MASS (tonne)	PASSENGER CAPACITY	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	REMARKS
BMC1	Passenger	115	49	--	23.850	0.45	
BMC2	Passenger	115	49	--	23.850	0.45	

Blue Scope Steel - Freight Rolling Stock

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
JLG	Brake van No 2	D	30	24.0	12.9	0.50	B1	

BHP - Passenger Rolling Stock

CODE	DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	MAXIMUM LOADED MASS (TONNES)	PASSENGER CAPACITY	LENGTH OVER COUPLING FACES (m)	DRAW CAPACITY MN	REMARKS
PW	Passenger	60	24.9	52	15.4	0.15	Nos 1 and 2

Boxcar - Freight Rolling Stock

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Container flat Wagons								
PQYY	5 pack articulated well (12 axes)	A	228 252	68	92.1	1.80	B4	u r,u

Boyd Munro – Locomotives

CODE	CATEGORY	DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	LIVE WEIGHT (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	POWER (HP)	REMARKS	General Notes
3112		Steam Loco	80	73	12.2			Max speed 80 km/h both directions.	

Boyd Munro - Passenger Rolling Stock

CODE	DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	MAXIMUM LOADED MASS (TONNES)	PASSENGER CAPACITY	LENGTH OVER COUPLING FACES (m)	DRAW CAPACITY (MN)	REMARKS
ABM	Lounge	115	38	32	19.000	0.35	No 707 Fitted with internal handbrake, air tap and tail lamps.
TA	Priv Sleeper	115	45	6 Berths	21.300	0.50	No 501 Terra Australis

Boyd Munro - Freight Rolling Stock

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
FFA	Flat car No 2709, 2722 Ex MFH wooden bodies	A	50	45	21.4	0.30	B1	

Centennial Coal - Freight Rolling Stock

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
PHTH	*2 permanently coupled coal wagons	C	100	21.7	*32.3	2.45	ECP	
		B	Empty					

Chicago Freight Car Leasing Australia - Locomotives

CODE	CATEGORY		DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	LIVE WEIGHT (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	POWER (HP)	REMARKS	General Notes
	SPEED	LOAD								
44	S9	L12	Diesel	115	108	17.80	0.90	1800		
442	S8	L11	Diesel	115	115	18.67	1.80	2000		
EL	S9	L7	Diesel	115	114	20.50	1.80	2450		
FL220	S9	L10	Diesel	115	110	18.44	1.80	2000	Ex Pacific National 42220	
GL	S5	L4	Diesel	115	132	18.70	1.80	3000		
GM(12)	S8	L12	Diesel	115	116.3	18.54	0.90	1800		
HL	S9	L10	Diesel	115	110	18.44	1.80	2000	Ex Pacific National 422 class	
JL	S8	L11	Diesel	115	115	18.67	1.80	2000	Ex Pacific National 442 class	
KL	S13	L13	Diesel	100	81	15.40	0.90	900	Ex Pacific National 49 class (KL80 ex 4904)	
VL	S5	L4	Diesel	115	130	18.38	1.80	3000	10% rule as per the ARTC TOC manual will be exempt when mixing this loco with any other type.	
S	S8	L12	Diesel	115	120	18.60	0.90	1800	No 300 & 311	

Chicago Freight Car Leasing Australia - Passenger Rolling Stock

CODE	DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	MAX LOADED MASS (tonne)	PASSENGER CAPACITY	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	REMARKS
CDAY	Coach	115	58	--	23.9	0.90	Tare mass 48.5

B3

Chicago Freight Car Leasing Australia - Freight Rolling Stock

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
CDCH	Spoil (Ex NDCH)	C	73	22	15.0	0.75	B2	
CDCY	Military coach	A	58	50	23.8	1.8	B2	%
% these wagons can only operate between Broken Hill and Parkes/Goobang – same area of operation as applying for double stacking Diagram 4 of ARTC TOC manual.								

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Flat Wagons								
CFRX	Flat (Ex GFRX)	C	76	25	23.7	1.30	B1	
GFKX	Flat (Ex VFKX)	C	76	25	23.7	1.30	B1	
GFLX	Flat (Ex VFLX)	C	76	25	23.7	1.30	B1	

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Hopper Wagons								
CHAY	*2 permanently coupled coal wagons	A	Empty	*46	*25.6	1.80	B4	See Below
		C	*152					
CHBY	*2 permanently coupled coal wagons	A	Empty	*46	*25.6	1.80	B4	See below
		C	*152					

NOTES 1 These ore hopper wagons are to be operated on ARTC network with doors closed at all times.
2 Doors are to be closed and locked securely as per wagon owner's instructions.

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- 3 In the event the doors are detected open on the ARTC network any the train movement conveying these ore hopper wagons is not to be moved until recertified by the train operator/wagon owner that the discharge doors are closed and locked securely.
- 4 Operation of these wagons in loaded condition maximum gross of 76 tonne is between
 - Islington /Woodville Junction and other locations where G class vehicles operate and
 - Macarthur to Moss Vale and ARTC/Railcorp boundary at Unanderra— Refer Illawarra section pages for details of special working Moss Vale to Unanderra.
 - Telarah to Gloucester

CHOY	Ballast wagon (remote control)	A	76	24.8	13.2	1.20	•□B3	
			80					
CHTY	Ballast wagon	A	76	23	11.6	1.8	B2	
			80					p
			84					c
			92					b

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Open Wagons								
COOY	Open wagon	A	76	28.3	23.7	1.80	B3	o
			80					o,p
			84					o,c
			92					o,b

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Container flat Wagons								
CQAX	Container Flat	C	76	27	26.9	2.20	B3	o
			80					o,p
			87					o,q
CQBY	Container Flat	A	76	20.2	19.4	2.20	B3	s
			81					e2,s
			84					r,s
			92					b,s
CQCY	Container Flat (Ex NDRF)	B	76	18	14.7	0.75	B2	s
CQDY	Container Flat	B	76	21.5	16.48	2.20	B2	s
			80					p,s
			84					c,s
			92					b,s
CQEY	Container Flat	B	76	15.6	14.5	1.80	B3	s
			80					p,s
			++84					c,s
			#88					s

++The following vehicles have not been upgraded and are not permitted to exceed 84 tonnes gross:

CQEY204S, CQEY205E, CQEY 211W, CQEY218Q, CQEY219C, CQEY224L.

These vehicles must operate on **Class 1, 1C or 1XC track only** when loaded up to 88 tonnes at a maximum speed of 80 km/h. Wheel tread hollowing shall not exceed 2mm.

CQFY	Container Flat	A	76	16.25	15.4	1.20	••B2	s
			80					p,s
			84					r,s
			#88					s
CQGY	Container Flat	A	76	19.5	20.1	1.80	••B4	s
			80					p,s
			84					r,s
			92					b,s
CQHY	Container Flat	A	76	18.3	16.5	1.80	B2	s,
			80					p,s
			84					c,s
CQIY	Container Flat	B	76	16.5	14.55	1.80	••B2	s
			80					p,s
			84	16.5	14.55	1.80	B2	c,s
			#88					s
CQKY	Container Flat	A	76	15.7	14.55	2.20	••B4	s
			80					p,s
			84					r,s
			88					b,s
CQLY	Container Flat (Ex CQOY)	A	76	27	26.9	2.20	B3	o
			80					o,p
			84					r,o
			87					o,q
CQMY	Container Flat (Ex CQOY)	A	76	22	25.7	2.20	••B3	s
			80					p,s
			84					r,s
			92					b,s
CQOY	Container Flat (Ex EQOY)	B	76	24.5	23.75	1.30	B3	
			80					p,#
# When loaded up to a mass of 80 tonnes the following maximum speeds will apply over the routes indicated: A maximum speed of 100km/hr on Class 1, 1C and 1XC track.								
CQPY	Container Flat	B	76	14.3	14.58	0.75	•□B3	s,v
These vehicles when loaded with a container bin (2743mm) are permitted to operate in the area shown in Diagram 2 on page 5 SECTION 5 (General Instruction pages) Train Operating Conditions Manual. This wagon/container configuration is also permitted to operate between Mittagong to Braemar.								
CQQY	Container Flat	A	76	23	23.75	2.2	B3	s
			80					p,s
			84					r,s
			92					b,s
CQRY	Container Flat (Ex CQFY)	A	76	16.3	14.0	1.20	B2	s
			80					p,s
			84					r,s

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CQRX	Container flat (Ex GQRX)	C	76	25	23.7	1.30	B1	
CQSY	Container Flat (Ex CQBX)	A	76	16.2	14.9	2.20	••B3	s
			80					p,s
			87					s
CQTY	Special flat	A	76	19.5	14.6	1.80	B3	s
			80					p,s
			84					r,s
			92					b,s
CQWY	*2 permanently coupled bogie wells	A	*152	*44.0	*42.5	2.20	B4	o
			*168					c,o
			*184					b,o
CQXY	*2 permanently coupled 2 TEU wagons (8 axles – 4 TEU)	A	76	17.7	*28.3	1.80	B4	s
			84					c,s
			92					b,s
CQYX	Container Flat (Ex GFLX)	C	76	26	20.7	1.30	B1	
CQYY	Container flat	A	68	15.1	13.3	2.45	B4	o,s
			84					o,c,s
			92					o,b,s
CQZX	Container Flat (Ex GFKX,GQKX,GQRX)	C	76	25	23.7	1.30	B1	
GQKX	Container Flat (Ex GFKX)	C	76	25	23.7	1.30	B1	

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Grain HoppersS								
CGAY	Grain hopper	B	76	24	15.5	2.60	••B4	u
			80					p
			84					c
			92					b
CGBF	Grain hopper (ex NHAf)	B	76	19	15.1	0.75	B2	
CGCF	Grain hopper (ex NHEF)	B	76	20	15.1	0.90	B2	
CGDY	Grain hopper	B	76	23	15.5	2.60	••B4	
			80					p
			84					c
			92					b

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Open Wagons								
COBX	Open (ex NOBX)	C	76	22	15.0	0.75	B3	

CIMC Rolling Stock Australia- Freight Rolling Stock

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Container flat Wagons								
PQEY	2 pack artic skeletal container Flat (6 axles)	A	114	31.6	31.2	1.80	B4	o,s,u
			126					o,s,r,u
			138					o,s,b,u
PQRY	5 pack articulated containers (12 axles)	A	228	60.0	77.0	1.80	B4	o,s,u
			240					o,s,p,u
			252					o,s,r,u
			276					o,s,b,u

Countrylink – Locomotives

CODE	CATEGORY		DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	LIVE WEIGHT (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	POWER (HP)	REMARKS	General Notes
	SPEED	LOAD								
XP			Diesel	160	76	17.400	--		4500 Litres fuel	
7301	S14	L14	Diesel	70	50	12.002	0.90	650		

Countrylink - Passenger Rolling Stock

CODE	DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	MAX LOADED MASS (tonne)	PASSENGER CAPACITY	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	REMARKS
Loco Hauled							
NDS	First Class	115	41	60 1st	21.5	0.50	Nos 2268, 2282, 2285, 2286
PHA	Power Van	115	54	10 tonne	23.4	0.50	Nos 2393, 2395, 2396
RDH	First Class	115	44	30 1st	20.3	0.50	Buffet car Nos 2220, 2233
TDS	First Class	115	41	48 1st	21.5	0.50	No 2250
Xplorer							
EA	Xplorer	145	61	42 1st	25.3	0.25	Driving car with buffet
EB	Xplorer	145	61	66 Econ	24.7	0.25	Intermediate car
EC	Xplorer	145	61	50 Econ	25.3	0.25	Driving car with booked luggage
XPT							
XAM	XPT Car	160	48	18 Berths	24.2	0.25	27 seats day travel. Crew compartment
XFH	XPT Car	160	40	52 Econ	24.2	0.25	Crew compartment + booked luggage
XBR	XPT Car	160	44	21 Econ	24.2	0.25	Buffet car, wheelchair position
XF	XPT Car	160	48	68 Econ	24.2	0.25	

XL	XPT Car	160	48	56 1st	24.2	0.25
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CRT - Freight Rolling Stock

CODE	DESCRIPTION		CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
CRT	Cargo Sprinter – Power car & container carrier		A	78	46.6	21.1	0.90		

EDI Leasing – Locomotives

CODE	CATEGORY		DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	LIVE WEIGHT (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	POWER (HP)	REMARKS	General Notes
	SPEED	LOAD								
LDP	S5	L2#	Diesel	115	134	22.0	2.20	4500	Load category on ARTC leased network can exceed L2 – up to 1.5 times L2 subject to operator's concurrence and achievement of section run times.	

Freightliner – Locomotives

CODE	CATEGORY		DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	LIVE WEIGHT (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	POWER (HP)	REMARKS	General Notes
	SPEED	LOAD								
XRN	S1	L1 ¹	Diesel	80	140	22.0	2.40	4354	Nos 001-020 Note 'o' applies – exception see Note 4 below	
	S2	L2 ²		100	136.2					
	S3	L2 ³		115	134					

Notes:

- 1 Loads for this loco can also be 1.25 times L2 load category (this may be increased up to 1.4 times the L2 load category subject to operator's concurrence and achievement of section run times).
- 2 Loads can be up to 1.32 times L2 load category subject to operator's concurrence and achievement of section run times. Speed category of S2 is for same area of operation as L & 31 class locos.
- 3 Loads can be up to 1.32 times L2 load category subject to operator's concurrence and achievement of section run times. Speed category of S3 is for same area of operation as C & Cs class locos.
- 4 Exception to Note 'o' applies – XRN class is authorised to run between Werris Creek and Narrabri.

Gemco Leasing – Locomotives

CODE	CATEGORY		DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	LIVE WEIGHT (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	POWER (HP)	REMARKS	General Notes
	SPEED	LOAD								
C	S3	L4	Diesel	115	134	20.6	1.80	3000	Nos 502,503,504,505,507,508	

Genesee & Wyoming Australia – Locomotives

CODE	CATEGORY		DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	LIVE WEIGHT (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	POWER (HP)	REMARKS	General Notes
	SPEED	LOAD								
AC	S1	L1 ¹	Diesel	80	139	22.0	2.40	4270	Nos 4301-4308 Note 'o' applies – exception see Note 4 below	
	S2	L2 ²		100	136.2					
	S3	L2 ³		115	134					
ACB	S1	L1 ¹	Diesel	80	139.2	22.0	2.25	4354	Note 'o' applies – exception see Note 4 below	
	S2	L2 ²		100	136.2					
	S3	L2 ³		115	134					

Notes for AC and ACB locomotives:

- 1 Loads can be 1.25 times L2 load (for loaded and empty coal trains only this may be increased to 1.4 times L2 subject to operator's concurrence and achievement of section run times). Speed category of S1 is for same area of operation as 90 & 5000 class locos.
- 2 Loads can be up to 1.32 times L2 load category subject to operator's concurrence and achievement of section run times. Speed category of S2 is for same area of operation as L & 31 class locos.
- 3 Loads can be up to 1.32 times L2 load category subject to operator's concurrence and achievement of section run times. Speed category of S3 is for same area of operation as C & Cs class locos.
- 4 Exception to Note 'o' applies – AC & ACB class is authorised to run between Werris Creek and Narrabri.

ALF	S5	L6	Diesel	115	128	20.7	1.80	3000		
CLF	S5	L6	Diesel	115	128	20.5	1.80	3000		
CLP	S5	L6	Diesel	115	132	20.5	1.80	3000		
DC	S9	L10	Diesel	115	110	18.4	1.80	2000	Ex 22 class / NSW 422 class	
GM(12)	S8	L12	Diesel	115	116.3	18.5	0.90	1800		
GWA	S1 ¹	L1 ¹	Diesel	80	139 ^{2,3}	22.0	2.25	4500	ECP braking capability	
	S5	L2 ⁴		115	134					

Notes:

- 1 Speed category S1 is in the same area of operation as 90 & 5000 class locomotives.
- 2 Max weight with ballast pods fitted.
- 3 Same details for the transfer of 90 class locos between Kooragang/Port Waratah to Woodville Junction apply.
- 4 Load category on ARTC network can exceed L2 – up to 1.4 times L2 load category subject to operator's concurrence and achievement of section run times

LQ	S2	L6	Diesel	100	137	20.2	1.80	3000	Ex WA L class. Use L class where nil speed or load category specified.	
LZ	S2	L5	Diesel	100	137	20.2	1.80	3000	Ex 3100/WA L class. Use 31 class where nil speed or load category specified.	
22	S9	L10	Diesel	115	110	18.4	1.80	2000	Ex Pacific National 422 class	
31	S2	L5	Diesel	100	137	20.2	1.80	3000	Ex L class. Note m applies	
830	S13	L13	Diesel	100	71.4	14.8	0.90	900		
900	S13	L13	Diesel	100	71.4	14.8	0.90	900	Ex DA/830 class with lowered short hood	

Genesee & Wyoming Australia – Passenger Rolling Stock

CODE	DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	MAX LOADED MASS (tonne)	PASSENGER CAPACITY	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	REMARKS
JTA	Crew Car	80	51	12	23.9	0.89	Note o Page 1 applies
JRA	Crew Car	80	52	12	23.9	0.89	Note o Page 1 applies

Genesee & Wyoming Australia – Freight Rolling Stock

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Covered Wagons								
ABFX	Box	C	75 80	30	23.7	1.30	B3	a

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Flat Wagons								
AFCX	Flat bulk rail	C	76	19	14.6	1.30	B1	

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Hopper wagons								
AQWF	Grain hopper	C	66.4	20.3	13.9	1.35	B3	l
AHCL	Hopper cement	C	75	24	11.9	1.30	B1	
AHDL	Hopper grain	C	76	23	14.6	1.30	B1	
AHGX	Hopper grain	C	76 80	21	14.6	1.30	B2	a
AHHF	Grain hopper	C	76 80 92	26	15.4	1.30	B3	a b

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Steel product wagons								
AKGX	Bulk Steel	C	76 80	25	17.9	1.30	B3	a

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Louvered Vans								
ALCX	Louvre	C	68	22	14.6	1.30	B1	
ALGX	Louvre	C	64	23	13.1	1.30	B1	
ALHX	Louvre	C	70	25	14.1	1.30	B3	

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Open wagons								
AOGF	Open wagon	C	63	18.2	14.0	0.90	B1	
AOGL	Open wagon	C	63	18.2	14.0	0.90	B1	
<i>AOGF and AOGL wagons are not fitted with grade control valves or fixed exhaust chokes. If operating LOADED in the Up direction between Katoomba and Valley Heights or Summit Tank and Unanderra, these vehicles must not exceed 20% of the train mass. If operating LOADED from Newbridge to Georges Plains, Werris Creek to Murrurundi, Murrurundi to Werris Creek these vehicles must not exceed 50% of the train mass. No restrictions apply when EMPTY</i>								
AOLX	Ex AOOX	C	76 80	28	23.7	1.30	B3	a
AOMX	Open	C	76 80	31	23.7	1.30	B1	a
AOOX	Open	C	76 80	28	23.7	1.30	B3	a

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Hopper wagons								
AHBF	Ballast hopper	C	76 80	21.0	12.1	1.8	B4	l l,s
AHBY	Ballast hopper	B	76 80 92	22.0	12.1	1.80	B4	l l,a l
APAX	Hopper cement	C	53	19	10.6	1.30	B1	

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AZPY	Ballast plough	A	33.8	17.8	14.6	1.30	B3	o
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CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Container wagons								
AQAY	Container flat	A	76	21.1	20.1	1.45	B3	
			80					a
			84					c
			92					b
AQCY	Container flat (ex WQCY)	B	76	22	20.1	1.30	B3	o,s
			80					a,o,s
AQEY	Articulated container (6 axles)	B	112	32	27.6	1.80	B2	v
AQKY	Articulated container (6 axles)	B	112	30	25.8	1.80	B2	v
AQLY	Articulated container (12 axles)	A	228	52	67.4	1.30	B3	s,u
			252					r,s,u
			276					b,s,u
AQOX	Container flat	C	76	25	23.7	1.30	B3	
			80					a
AQPY	Container flat (ex AOOX)	A	76	23.4	23.7	1.30	B3	
			80					a
AQQX	Container flat	C	75	26	23.7	1.30	B3	
			80					a
AQQY	Container flat	B	76	23	20.1	1.30	B3	s
			80					a,s
AQRF	Container flat	C	76	21	14.9	1.30	B1	
AQRY	Articulated container (6 axles) (ex AQEY)	B	112	32	27.6	1.80	B2	s,u
AQSY	Container flat	B	76	23	20.1	1.30	B3	s
			80					a,s

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Freezer Vans								
ARFY	# Freezer van	A	76	30	23.7	1.30	B3	
			84					r
ARBY	# Freezer van	A	76	30	23.7	1.30	B3	
			84					r
# This vehicle may only operate on routes applicable to Diagram 3, LOADING RESTRICTION section								

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Well wagons								
AWWX	Well wagon	C	74	27	19.6	1.30	B3	

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Sleeper wagons								
AZCF	Sleepers	C	76	20.3	15.2	0.90	B1	
			80					a
AZCL	Sleepers	C	76	20.3	15.2	0.90	B1	
			80					a
AZRF	Flat top with removable staunchions	C	76	25.0	15.2	0.90	B1	
			80					a
RGC	Sleepers	C	76	20.3	15.2	0.90	B1	
			80					a

Gloucester Coal - Freight Rolling Stock

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
PHGH	*2 permanently coupled coal wagons	C	100	22.4	*32.6	2.45	B4/ECP	

GrainCorp Operations Ltd – Locomotives

CODE	CATEGORY		DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	LIVE WEIGHT (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	POWER (HP)	REMARKS	General Notes
	SPEED	LOAD								
GPU	S13	L13	Diesel	100	78	14.80	0.90	900	Power unit only – trailing unit only. Can be operated singly in emergency.	
48	S13	L13	Diesel	100	78	14.80	1.80	900	Nos 48201 - 48218	

Great Southern Railway - Passenger Rolling Stock

CODE	DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	MAX LOADED MASS (tonne)	PASSENGER CAPACITY	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	REMARKS
ACC	Conference	115	49	--	23.8	0.89	No 223E

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AEC	Entertainment	115	48.7	--	23.8	0.89	No 222
AFC	Lounge	115	44	53	23.8	0.89	Nos 213,301,305-307,936-939.
AG	Passenger	115	49	62	23.9	0.89	Nos 369,372-376.
AJ	1 st CI Coach	115	45.9	44	23.9	0.89	Nos 1 - 3.
AOB	Lounge	115	45	54 Diners	23.8	0.89	Menindee Lakes Lounge
ARJ	Sleeper	115	49	18 Berths	23.8	0.89	Roomette Nos 242,243,272,282,941,945,973,984
ARL	Sleeper	115	49	18 Berths	23.8	0.89	Twinette Nos 246,248-250,289,291,293,308-310,324,326,920-923,925,961-963,992
ARM	Sleeper	115	49	16 Berths	23.8	0.89	Twinette Nos 288,947,951-953,987,990
BG	Passenger	115	52	62	23.8	0.89	Nos 368,370,371
BJ	Econ Coach	115	45.4	64	23.9	0.89	Nos 4 - 10
BRG	Sleeper	115	50	32 Berths	23.8	0.89	Roomette Nos 168,170,171,173,175,969,972,974
BRJ	Sleeper	115	50	32 Berths	23.8	0.89	Roomette Nos 221,267-269,916,917,270,271,302,303,912,915,918,919,999
CDF	Cafeteria	115	49	54	23.8	0.89	Nos 225-227,924,928,929,966
CCL	1 st CI Lounge	115	43.0	--	23.8	0.89	Nos 2 and 3
DF	Diner	115	51	48 Diners	23.8	0.89	Nos 231-233,294,304,927,930,934,964
ER	Staff Car	115	48	--	23.8	0.89	Nos 207,313,906,909
HGM	Power Van	115	57	--	23.8	0.89	Nos 205,296-298,317,900,902-904
HM	Brake Van	115	42	--	23.8	0.89	Nos 255,256,311,312,318,901,957-959
JRB	1 st Roomette	115	47.1	20 Berths	23.8	0.89	Nos 1 and 2
JTB	1 st Twinette	115	47.7	20 Berths	23.8	0.89	Nos 1 - 4
RBJ	Club car	115	46	--	23.8	0.89	Nos 1 - 3
SSA	Chairmans Car	115	46	--	23.8	0.89	No 260

Great Southern Railway - Freight Rolling Stock

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
AMPZ	Motor car carrier	A	34	25	23.1	1.30	B2	
AMRZ	Motor car carrier	A	34	25	23.1	1.30	B2	
AQMZ	Motor car carrier	A	55	21	20.1	1.30	B2	

Independent Rail - Locomotives

CODE	CATEGORY		DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	LIVE WEIGHT (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	POWER (HP)	REMARKS	General Notes
	SPEED	LOAD								
14	S5	L7	Diesel	115	131	21.0	1.50	3900	Ex Danish MZ loco	

Independent Rail - Freight Rolling Stock

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
LQAY	Container flat	C	76	20.0	19.3	2.20	B4	s
			80					p,s
			84					c,s
			92					b,s

Interail Australia - Locomotives

CODE	CATEGORY		DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	LIVE WEIGHT (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	POWER (HP)	REMARKS	General Notes
	SPEED	LOAD								
421	S9	L12	Diesel	115	110	18.9	0.90	1800	Ex SRA Loco	
422	S9	L10	Diesel	115	110	18.4	1.80	2000	Ex SRA Loco	
423	S11	L12	Diesel	80	95.1	16.0	1.00	1500		
L	S2	L6	Diesel	100	137	20.2	1.80	3000	13000 Litres fuel Ex WAGR	m

Interail Australia - Freight Rolling Stock

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
QHAF	Coal Hopper (ex VAKM)	C	76	15.5	15.1	2.90	B3	
QHBF	Coal Hopper (ex VAKM)	C	76	15.5	15.1	2.90	B3	

Lachlan Valley Railway - Locomotives

CODE	CATEGORY		DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	LIVE WEIGHT (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	POWER (HP)	REMARKS	General Notes
	SPEED	LOAD								
3026			Steam Loco	80	101.25	17.6	0.75		Maximum speed tender first 35 km/h	
3237			Steam Loco	100	105.5	18.3	0.90		Maximum speed tender first 40 km/h	
5367			Steam Loco	60	126.4	18.5	0.90		Maximum speed tender first 35 km/h	
5917			Steam Loco	80	154	20.6	0.90			

Notes: 1 Not to operate on any class 4 or class 5 lines as identified in ARTC TOC manual.
2 Not to operate or run with another steam loco of this same class

3 Max speed on any line is lesser of the above max speed or the line speed as applying to loco speed category S8.

42	S6	L12	Diesel	115	122.0	18.5	0.90	1750	Ex SRA Loco
44	S9	L12	Diesel	115	108	17.8	0.90	1800	Ex SRA Loco
47	S13	L13	Diesel	100	85.3	14.0	1.80	1000	Ex SRA Loco

Lachlan Valley Railway – Rail Motors

CODE	DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	MAX LOADED MASS (tonne)	PASSENGER CAPACITY	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	REMARKS
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CPH Rail Motor 80 25 43 13.6 Small Hook Nos 12, 24, 25

The above rail motors will operate track circuits correctly and are not required to be operated and worked as a block train.

Lachlan Valley Railway - Passenger Rolling Stock

CODE	DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	MAX LOADED MASS (tonne)	PASSENGER CAPACITY	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	REMARKS
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ABS Dining 115 46 -- 21.5 0.70 No 2304

20 Sleeper

EAM Sleeper 115 48 20 sitting 20.3 0.30 No 1831

FS Economy 115 40 64 20.4 0.30 Nos 2091, 2029, 2126, 2133

RBS First 115 41.1 30 19.8 0.30 No 2160

MCE Corridor car 115 52.9 66 20.2 0.30 No 114

Lachlan Valley Railway – Freight Rolling Stock

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
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K No 485 – 4 wheel open wagon D 36 10.0 7.3 B1

L No 168 – 4 wheel open wagon (ex S truck) D 24 8.0 6.3 B1

FHG No 31772 bogie guards van A 30 24 13.1 0.70 B2

SWT No 12 Bogie water gin 31540 litres C 54 24 14.6 B1

Lachlan Valley Rail Freight – Locomotives

CODE	CATEGORY	DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	LIVE WEIGHT (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	POWER (HP)	REMARKS	General Notes
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44 S9 L12 Diesel 115 108 17.8 0.90 Ex SRA Loco On lease from Hunter Valley Heritage Trust

47 S13 L13 Diesel 100 85.3 14.0 1.80 Ex SRA Loco

Lachlan Valley Rail Freight – Freight Rolling Stock

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
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LOAF Open wagon C 63 18.2 14.0 0.90 B1 #

These vehicles are not fitted with grade control valves or fixed exhaust chokes. Restrictions apply if operating on the Main West. Refer to Railcorp and CRN operating requirements on this line. If operating LOADED from Werris Creek to Murrurundi, Murrurundi to Werris Creek these vehicles must not exceed 50% of the train mass. If operating EMPTY no restrictions apply.

Laing O'Rourke – Freight Rolling Stock

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
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LDPF Concrete sleeper wagon with gantry rail (Ex NDGF) C 76 51.2 15.0 0.75 B3

Macfield Leasing Corp – Freight Rolling Stock

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
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Container Flat Wagons

PQWY Container well B 76 21.7 19.6 2.2 B3 o,s
84 c,o,s
92 b,o,s

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
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Hopper Wagons

PHMY Stone hopper B 76 25.3 12.9 2.2 B3 c
84 b
92

Manildra Flour – Locomotives

CODE	CATEGORY		DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	LIVE WEIGHT (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	POWER (HP)	REMARKS	General Notes
	SPEED	LOAD								
MM	S13	L13	Diesel	100	81	15.4	0.90	875	Ex SRA Loco 49 class Converted to driver only	
MM 03	-	-	Diesel shunt locomotives	20	76.5	11.4	-	680	Ex BHP locos 74 class – confined to yard working only at Gunnedah and Manildra	
73	S14	L14	Diesel	70	50	12.0	0.90	650	Ex SRA Loco	

Manildra Flour – Freight Rolling Stock

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1	
MBAX	Covered van	C	76	25	18.0	1.30	B3	a	
MGFH	Grain hopper	C	100	26.5	17.6	1.80	B4	1-3	
	1. MGFH vehicles are permitted to operate when empty, in all areas where Class C type vehicles are permitted to run. These vehicles are only permitted to operate when loaded up to 100 tonnes gross mass, on Class 1, 1C or 1XC track with the following exceptions:- SECTION Narrabri – Moree – Narrabri 40km/h Cootamundra North – Cootamundra West – Cootamundra North 15km/h Stockinbingal – Parkes – Stockinbingal 40km/h 2. These vehicles are also permitted to operate, when loaded up to 81 tonnes gross mass, in all areas where Class E vehicles are permitted to run. Refer to the MAXIMUM SPEED OF LOCOMOTIVES AND ROLLING STOCK page for each section in the respective Working Timetable for this information. 3. A maximum speed of 10km/h must be observed at the following bridge location when these vehicles are loaded to 100 tonnes gross mass:- Stockinbingal to Parkes line 629.971 kilometres								
MHGH	Hopper grain	C	76	21	14.6	1.30	B2		
MQRF	Container flat	C	76	21	14.9	1.30	B1		

Merv Gaut – Locomotive

CODE	CATEGORY		DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	LIVE WEIGHT (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	POWER (HP)	REMARKS	General Notes
	SPEED	LOAD								
4514	S9	L12	Diesel	115	112	17.9	0.90	1800	Ex SRA Loco	

New South Wales Rail Transport Museum Thirlmere – Locomotives

CODE	CATEGORY		DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	LIVE WEIGHT (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	POWER (HP)	REMARKS	General Notes
	SPEED	LOAD								
2705			Steam Loco	60	82	16.6	0.75		Ex SRA Loco Max speed tender first 40 km/h.	m
3001			Steam Loco	80	101.25	17.6	0.75		Maximum speed tender first 35 km/h	
3526			Steam Loco	115	130.05	19.2	0.90		Ex SRA Loco Max speed tender first 40 km/h	
3642			Steam Loco	115	163	20.7	0.90		Ex SRA Loco Max speed tender first 40 km/h	
Notes:	1		Not to operate on any class 4 or class 5 line as identified in ARTC TOC manual.							
	2		Not to operate in double headed mode with another 36 class, 38 class or 59 class steam locomotive.							
	3		May operate in double headed mode with a 35 class locomotive.							
	4		Maximum speed over truss bridge at 146.037 km at Moss Vale on Main South line is 40 km/h.							
3801			Steam Loco	115	204.4	23.3	0.90		Max speed tender first 40 km/h	
5910			Steam Loco	80	154	20.6	0.90		Ex SRA Loco Max speed tender first 40 km/h	
40	S9	L13	Diesel	100	113	17.4	0.90	1600	Note 'i'	
42	S6	L12	Diesel	115	122	18.5	0.90	1750	Ex SRA Loco	
43	S10	L12	Diesel	115	107.6	17.3	0.90	1600	Ex SRA Loco	
442	S8	L11	Diesel	115	115	18.7	1.80	2000	Ex SRA Loco	
44	S9	L12	Diesel	115	108	17.8	0.90	1800	Ex SRA Loco	
45	S9	L12	Diesel	115	112	17.9	0.90	1800	Ex SRA Loco	
#46			Electric	105	114	16.4	0.90		Ex SRA Loco See Note below	
48	S13	L13	Diesel	100	75.2	14.8	0.90	900	Ex SRA Loco	
49	S13	L13	Diesel	100	81	15.4	0.90	900	Ex SRA Loco	
70			Diesel	60	48.8	10.2	0.90		Ex SRA Loco	
79			Diesel	55	40	10.7	0.90		Ex SRA Loco	
#86			Electric	105	118	20.1	1.80		Ex SRA Loco See Note below	
D1			Diesel	18	86.4	11.5	0.90		Ex AIS Loco	

Note for 46/86 Electric Locomotives

- No maintenance is to be carried out on the traction equipment unless the pantographs are lowered, air isolated and danger tags applied to the isolating cock.
- No access is permitted to the roof of the locomotive under the OHW unless an electrical permit is issued by RIC. Work performed on unwired roads must be outside electrical safety clearances.
- A visual inspection of both pantographs must be performed from the ground as part of each vehicle preparation.
- Only one electric locomotive is to be connected to the OHW at any given time, both pantographs may be used and full parallel control may be used. If multiple electric locomotive operation is required then a separate application must be made to the Engineer Electrical Systems RIC on each occasion.
- The Electrical Operating Centre (phone 9379 4911) must be advised before raising or lowering the pantographs.

New South Wales Rail Transport Museum Thirlmere – Rail Motors

CODE	DESCRIPTION OF VEHICLE	MAX SPEED km/h	MAXIMUM LOADED MASS TONNES	PASSENGER CAPACITY	LENGTH OVER COUPLING FACES (m)	DRAW CAPACITY MN	REMARKS
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CPH18	Rail Motor	80	25	43	13.6	Small Hook	Identical unit to CPH rail motors listed under ARHS.
NPF	Motor car	115	43	48	19.2	Small auto	No 623
NTC	Trailer car	115	35	54	19.2	Small auto	No 723

New South Wales Rail Transport Museum Thirlmere - Passenger Rolling Stock

CODE	DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	MAX LOADED MASS (tonne)	PASSENGER CAPACITY	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	REMARKS
ABS	Diner	115	46		21.5	0.50	No 2305 formerly Countrylink
ABX	Pass	60	53	Berths = 4 Lounge = 19	22.7	0.30	No 1007. Fitted with internal handbrake, air tap, and tail lamps.
BCS	Club Lounge	115	41	40	23.4	0.50	No 2356, 2357, 2379
BI	First / Buffet	80	25	50	15.5	0.15	No 1561
BI	First	80	25	50	15.5	0.15	No 1564
CBC	Pass	60	43	62	21.4	0.15	Nos 1090, 1089
CN	Composite	115	44	16F + 32E	20.3	0.50	No 1747
EAM	Sleeper	115	53	20 berths 30 seated	22.1	0.30	No 1829 – wooden body
EFS	Economy	115	40	56	20.4	0.30	No 2090 Fitted with shop .
FAM	Twin. Sleeper	115	49	18 Berths	23.4	0.50	No 2391
FO	Economy	80	25	50	15.9	0.15	Nos 1565, 1690, 1671, 1563, 1688
FS	Economy	115	40	64	20.4	0.30	Nos 2093, 2122
HFA	Economy	60	23	40	16.2	0.15	No 1171 Restricted operation Picton - Buxton
HFO	Economy/brake	80	25	44	16.2	0.15	Nos 1566,1665
HFS	Economy	115	40	56	20.4	0.30	No 2017
HN	Economy/brake	115	41	52	20.3	0.50	No 2197
HX	Economy/brake	60	42	60	21.4	0.15	No 1006. Fitted with internal handbrake, air tap, and tail lamps.
LAN	Roomette /Sleeper	115	46	20 Berths	23.4	0.50	No 2352,2377
LFA	Economy	60	23	58	16.2	0.15	No 942 Restricted operation Picton - Buxton
MBE	First	115	49.2	45	22.7	0.30	No 62 Wooden body
MCA	Passenger	115	53	58	22.7	0.30	No 2 Ex MCE wooden body
MFS	Economy	115	40	70	20.4	0.30	No 2137
NAM	Twin. Sleeper	115	46	20 Berths	23.4	0.50	Nos 2338,2373. Fitted with internal handbrake, air tap, and tail lamps.
NAM	Twin. Sleeper	115	46	20 Berths	23.4	0.50	Nos 2375
PFZ	First	115	47	24	20.3	0.50	No 2219
PHA	Power Van	115	54	..	23.4	0.50	No 2394
RFN	Buffet	115	44	32	20.3	0.50	No 2187
RMS	Dining Car	115	46	48	23.4	0.50	Nos 2358 & 2359
SWT	Water Gin	80	54	N/A	14.6	0.50	Nos 5 & 6 31540 litres capacity. Pump fitted.
TBC	First	115	47	42	22.7	0.30	No 532
VHO	Guard/Service	115	55		20.2	0.30	%No 1816. Fitted with internal handbrake, air tap, and tail lamps.

% = Wooden bodied vehicles fitted with end protection steel beams.

Northern Rivers Railroad - Passenger Rolling Stock

CODE	DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	MAX LOADED MASS (tonne)	PASSENGER CAPACITY	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	REMARKS
--	First sitter	115	46.5	42	21.8	0.35	No 502 - Oxley Sitting Car-
--	Tourist sitter	115	46.6	48	21.8	0.35	No 603 - Clarence Sitting Car -
--	Tourist sitter	115	46.6	48	21.8	0.35	No 604 - Wilsons Sitting Car -
--	Tourist sitter	115	46.6	48	21.8	0.35	No 605 - Brunswick Sitting Car -
--	Dining Car	115	54	48	21.8	0.35	No 601 - Tweed Dining Car -
--	Dining Car	115	54	48	21.8	0.35	No 607 - Richmond Dining Car -
BR	Function Car	115	48.2	50	23.9	0.35	No 103
BE	Club / Lounge	115	44	32	19.0	0.35	No 708 - Cape Byron Club Car -
BE	Power / staff	115	44	--	19.0	0.35	No 713
CP	Baggage Car	115	31.0	--	12.0	0.35	No 24
NDS	First sitter	115	41	60	21.5	0.50	No 2269
SBH	Sitting car	115	46.24	36	21.0	0.35	No 2248 - Billinudgel -

Nova Coal Australia – Freight Rolling Stock

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
PHCH	*7 permanently coupled coal wagons.	G	120	23	*109.2	2.45	••B4	
		C	Empty					

Ozback Explorer - Passenger Rolling Stock

CODE	DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	MAX LOADED MASS (tonne)	PASSENGER CAPACITY	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	REMARKS
BRB	Wegmann sleeping car	115	50.6	24	23.8	0.90	No 86
OAH	Twin Sleeper	115	44	20 Berths	20.3	0.5	Ex RDH 2237

OAS	Twin Sleeper	115	44	20 Berths	21.5	0.5	Ex ODS 2261
OSS	Shop / Lounge	115		N/A	21.5	0.5	Ex SDS 2271
OAP	Twin Sleeper	115	46	20 Berths	23.4	0.5	Ex NAM 2331
OAM	Twin Sleeper	115	46	20 Berths	23.4	0.5	Ex NAM 2336, NAM 2329
OAN	Roomette/ Slpr	115	46	20 Berths	23.4	0.5	Ex LAN 2378
ORS	Diner	115	46	N/A	21.5	0.5	Ex ABS 2300
OSH	Bar / Lounge	115	44	N/A	20.3	0.5	Ex BHA 2223
OPV	Power Van	115	44	N/A	14.5	0.5	Ex PHV 2402

P & O Trans Australia – Locomotives

CODE	CATEGORY		DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	LIVE WEIGHT (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	POWER (HP)	REMARKS	General Notes
	SPEED	LOAD								
44	S9	L12	Diesel	115	108	17.8	0.90	1800	Nos 4471, 4477	

Pacific National – Locomotives

CODE	CATEGORY		DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	LIVE WEIGHT (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	POWER (HP)	REMARKS	General Notes
	SPEED	LOAD								
48	S13	L13	Diesel	100	75.2	14.8	0.90*	900	4801 - 85 *4801 - 125	
48	S13	L13	Diesel	100	78	14.8	1.80**	900	4886 - 165 ** 48126 - 165	
80	S6	L9	Diesel	115	121	19.0	1.80	2000		
81	S5	L4	Diesel	115	129	21.2	2.20	3000		
82	S5	L3	Diesel	115	132	22.0	2.20	3000		
90	S1	L1	Diesel	80	167	22.0	2.20	4000		
92	S1	L1 ¹	Diesel	80	139	22.0	2.40	4270	Nos 01-15	
	S2	L2 ²		100	136.2				Note 'o' applies – exception see Note 4	
	S3	L2 ³		115	134					

- Notes:
- 1 Loads can be 1.25 times L2 load (for loaded and empty coal trains only this may be increased to 1.4 times L2 subject to operator's concurrence and achievement of section run times). Speed category of S1 is for same area of operation as 90 & 5000 class locos.
 - 2 Loads can be up to 1.32 times L2 load category subject to operator's concurrence and achievement of section run times. Speed category of S2 is for same area of operation as L & 31 class locos.
 - 3 Loads can be up to 1.32 times L2 load category subject to operator's concurrence and achievement of section run times. Speed category of S3 is for same area of operation as C & Cs class locos.
 - 4 Exception to Note 'o' applies – 92 class is authorised to run between Werris Creek and Narrabri.

AN	S5	L2	Diesel	115	130	22.0	2.20	4000		
BL	S5	L4	Diesel	115	128	20.7	2.20	3000	◆ BL's 26,27,28,31,33,35	m
C	S3	L8	Diesel	115	134	20.6	1.80	3000		
DL	S6	L5	Diesel	115	121.5	19.7	2.20	3000	◆ DL's 38 to 50.	m
G	S5	L4	Diesel	115	128	19.8	1.80	3000		
L	S5	L6	Diesel	115	132	20.2	1.80	3000	Nos 251, 270, 254	
NR	S4	L2	Diesel	115	132	22.0	2.20	4000		o
PL	S13	L13	Diesel	100	75.2	14.8	0.90*	900	Ex 48 class locomotive	
T	S12	L13	Diesel	100	69	13.4	1.30	875	See Note ## below	
TT	S1 ¹	L1 ⁴	Diesel	80	139 ^{2,3}	22.0	2.25	4500	Nos 01-08 ECP braking capability	
	S5	L2 ⁴		115	134				Nos 101-117 ECP braking capability	

- Notes:
- 1 Speed category S1 is in the same area of operation as 90 & 5000 class locomotives.
 - 2 Max weight with ballast pods fitted – all locos can be set up for either S1 or S5 speed category
 - 3 Same details for the transfer of 90 class locos between Kooragang/Port Waratah to Woodville Junction apply.
 - 4 Load category on ARTC network can exceed L2 – up to 1.4 times L2 load category subject to operator's concurrence and achievement of section run times

X(Mk 1)	S8	L9	Diesel	115	114	18.4	1.80	1800	Nos 31-36	m
X(Mk 2)	S8	L9	Diesel	115	116	18.4	1.80	2000	Nos 37-44 (38 exempt from Note m)	m
X(Mk 3)	S8	L9	Diesel	115	118	18.4	1.80	2000	Nos 45,48,49,50,52,53,54 (45,53,54 exempt from Note m)	m

X(Mk 3)	S8	L7	Diesel	115	118	18.4	1.80	2000	Nos 46,47,51 (all exempt from Note m)	
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XR2	S5	L5	Diesel	115	128	18.4	1.80	3000		
XRB	S5 ²	L5	Diesel slave ¹	115	125	18.4	1.80	3000		

- Notes:
- 1 The XRB is a cabin-less slave unit designed to be an additional source of power for existing train consists. The XRB does not have its own control stand and in operation control of the XRB is provided by the attached locomotive through the MU connection. The XRB is always to trail a lead locomotive.
 - 2 Speed category S5 covers 81, 82, ALF, BL, CLF, CLP, G & GL. Areas of operation same as any S5 locomotive.

#X100	Diesel Shunter	20	18	6.8						
#X200	Diesel Shunter	50	30	7.4						

- # TOC Waiver authority required for travel over Australian Rail Track Corporation Ltd tracks
 ◆ These locomotives equipped with de-sanding equipment – exempt from note m. May operate as single units or in multiple unit consists.
 ## These locomotives can be disregarded when calculating the maximum number of locomotives that can be marshalled on the front of a train.
 Maximum speed for T class locomotives on Class 1, 1C, 1XC and 2 Track = 100km/h; Class 3, 3G, 3W = same speed as 422 class locomotive; Class 4, 5, 5M = 30km/h.

Pacific National – Freight Rolling Stock

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Covered Wagons								
NBJX	Curtain sided	C	76	27	18.0	0.90	B3	
RBFX	Box van	C	75	30	23.7	1.30	B3	a
VBBX	Covered wagon	C	63	22	13.1	0.90	B1	
VBCW	Covered wagon	C	77	35	23.5	1.30	B1	

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Coiled Steel Wagons								
PT	Plate transfer wagons (Blue Scope wagon)	C	76 80 92	21.7	20.1	0.50	B1	p b
NCFF	Container with coil cradles permanently fixed.	C	92	21.5	20.5	1.80	B3	b,s
NCWF	Coil	C	76	21	13.1	0.75	B3	
RCAF	Coil	C	76 80	24	15.1	1.85	B3	a
RCBF	Jumbo coil steel/scrap container wagon	C	76 92	21.0	15.1	1.85	B3	b
RCDX	Coil	C	76 80	23	14.9	1.30	B1	a
RCIX	Coil	C	76 80	22	14.6	0.90	B3	a
RCJY	Coil (Ex RQMY)	A	76 84 92	25	20.1	1.30	B3	s r,s b,s
RCKF	Coil	C	76 80 92	22	12.3	1.80	B3	t a,t b,t
RCMF	Coil	C	76 80 92	22	15.1	1.85	B3	p b
RCMY	Coil	A	78 80	26.5	15.1	1.85	B3	a
RCNF	Coil	C	76 80 92	24	11.9	0.90	B2	t a,t b,t
RCOF	Coil	C	76 80	20	15.1	1.80	B3	a
RCPF	Coil	C	76 80	15	11.0	0.90	B3	u a,u
RCQF	Coil	C	76 92	21	15.1	1.85	B3	b
RCRX	Coil	C	76 80	25	14.6	0.90	B2	a
RCSF	Coil	C	76 80 92	22	12.3	1.30	B3	t a,t b,t
RCWF	Coil	C	76	21	13.1	0.75	B3	

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Track maintenance wagons								
NDHX	Sleeper carrying wagon	C	76 80	20.0	14.6	1.25	B3	a
RDSF	Sleeper carrying wagon	C	72	21.0	14.5	1.05	B2	
RDSF	Sleeper carrying wagon (60370, 60395, 60375, 60368, 60345 & 60448 only)	C	76 80	21.0	14.5	1.05	B2	a
RDTF	Sleeper carrying wagon	C	76 80	21.0	14.5	1.05#	B2	a
Note: Draw capacity is 1.25 MN for following wagons: 60275, 60279, 60280, 60281, 60282, 60283, 60284								

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Flat Electric Operated Container								
RENY	Containers	C	61 80	19	15.2	1.30	B2	a
VEKX		C	76	25	23.7	1.30	B1	

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Flat Wagons								
RFQF	Flat. No 2407 only (6 axles) <i>This vehicle may only run between BROKEN HILL and PARKES ONLY. It is restricted to 20km/h when passing through the following platforms: Bogan Gate, Euabalong West, Matakana, Ivanhoe, Menindee. This vehicle is NOT allowed to pass the platforms at Condobolin or Broken Hill. Any train that has this vehicle in its consist must use the loop road at these locations.</i>	C	114	40	20.1	1.30	B2	
RFRX	Flat	C	76 80	27	23.8	0.90	B2	a
VFCX	Fitted with staunchions for conveying pipes or logs	C	76	23.7	20.7	1.30	B2	
VFHX	Log wagons ex VFNX	C	76 80	25	20.7	1.30	B1	
VFKX	Flat	C	76	25	23.7	1.30	B1	
VFLX	Flat with bulkheads	C	76	26	20.7	1.30	B1	
VFNX	Flat with bulkheads and folding covers	C	76	29	20.7	1.30	B1	
VFRX	Flat	C	76	25	23.7	1.30	B1	

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Grain Hoppers								
NGCX	Grain	C	57	17	12.3	0.90	B2	
NGDX	Grain	C	73	17	14.3	0.90	•□B2	l
NGFF	Grain	C	76	22	14.6	0.75	B2	
NGGF	Grain	A	78	21	14.3	1.80	B3	l
			81					l, e.
NGHF	Coal	C	76	17.8	14.4	1.80	••B4	
NGIF	Grain	C	76	20	15.1	0.75	•□B4	
NGKF	Grain	A	78	21	14.3	1.80	••B3	l
			81					l, e.
NGLF	Grain	C	73	17	14.3	0.90	B2	
NGMA	Grain	D	68	22	11.9	0.75	B2	
NGMF	Grain	D	68	22	11.9	0.75	B2	
NGNF	Grain	C	73	17	14.3	0.75	B2	l
NGOF	Grain	C	73	17	14.3	0.75	B2	l
NGPF	Grain	A	78	21	14.3	1.80	••B4	l
			81					l, e
NGPY	Grain	A	78	21	14.3	1.80	••B4	l
			81					l, e
NGRX	Rice	C	73	17	14.3	0.90	B3	
NGUX	Grain	C	76	17	12.3	0.90	B2	
NGVF	Grain	C	76	22.5	15.1	1.80	••B4	
NGWF	Grain	C	76	20	15.1	0.75	•□B2	
NGXH	3 permanently coupled grain hoppers	A	76	26	51.8	2.45	••B4	
			80					p
			84					r
			92					b
		F	100					#

Maximum speed when loaded to 100 tonnes gross mass:
 Class 1 track = 65 km/h, Class 1C track = 65km/h, Class 1XC track = 80 km/h

NGYF	Grain (ex NGHF)	C	76	18	14.4	1.80	••B4	u
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CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Coal and rock/sand hoppers								
NHAF	Mineral Nos. 32901-33000	C	76	18	15.1	0.75	B2	
NHAF	Mineral Nos. 33001-33150	C	76	18	14.5	0.75	B2	
NHAY	Mineral	B	76	18	14.5	0.75	B2	
NHBH	*3 permanently coupled coal wagons	C	100	23.8	*50.32	2.20	••B3	f,h
NHCF	Coke	F	100	23	17.1	1.80	••B3	f,g b
			92					
NHDH	*4 permanently coupled coal wagons	G	120	23.0	*60.4	2.45	ECP	
		B	Empty					
		C	100					#
#	For operation between Narrabri and Dartbrook Junction the following applies:							
	1. NHDH individual wagon load is 100 t gross allowing for 2% tolerance – maximum load 102 t as measured by certified weighing system.							
	2. Wagon to be uniformly loaded with maximum individual single end weight on a bogie 55 t – if the maximum on one end of the wagon is 55 t then the other end of the wagon is to be less than 45 t to be inside of the 100 t in 1 above.							
	3. Maximum wagon speed loaded at 100 t gross is 80 km/h.							
	4. Maximum speed over bridge at 416.270 km (near GAP) is 60 km per hour when the NHDH wagons are loaded at 100 t gross as above.							
	5. Maximum wagon speed empty - as per TOC for class of wagon.							
	6. Use of documented procedures for loading to ensure compliance with above for wagon loading.							
	7. Prior to each move confirmation from PNL that each loaded train complies with the above.							
NHEF	Mineral	C	76	18	15.1	0.90	B2	
NHEH	*4 permanently coupled coal wagons	G	120	21.9	*61.5	2.45	ECP	
		B	Empty					
		C	100					#
#	For operation between Narrabri and Dartbrook Junction the following applies:							
	1. NHEH individual wagon load is 100 t gross allowing for 2% tolerance – maximum load 102 t as measured by certified weighing system.							
	2. Wagon to be uniformly loaded with maximum individual single end weight on a bogie 55 t – if the maximum on one end of the wagon is 55 t then the other end of the wagon is to be less than 45 t to be inside of the 100 t in 1 above.							
	3. Maximum wagon speed loaded at 100 t gross is 80 km/h.							
	4. Maximum speed over bridge at 416.270 km (near GAP) is 60 km per hour when the NHEH wagons are loaded at 100 t gross as above.							
	5. Maximum wagon speed empty - as per TOC for class of wagon.							
	6. Use of documented procedures for loading to ensure compliance with above for wagon loading.							
	7. Prior to each move confirmation from PNL that each loaded train complies with the above.							
NHFF	*3 permanently coupled coal wagons	C	100	23.8	*50.32	2.20	••B3	f,h
NHFF	*3 permanently coupled coal wagons	F	100	23	*50.32	2.20	••B3	f,g b
			92					
NHFF	Coal (Ex NGHF with top doors removed)	C	76	17.8	14.4	1.80	••B4	
NHJF	Coal	C	100	25	16.9	2.20	••B3	f,h
NHKF	Coal	C	100	25	16.9	2.20	••B3	f,h
NHMH	Coal	C	100	22	16.9	2.20	••B2	f,h
NHOF	Coke	C	76	23	17.1	1.80	••B3	
			80					a
NPHH	*8 permanently coupled coal wagons	G	120	23	*129.2	2.45	••B4	
		B	Empty					
NHQH	*8 permanently coupled coal wagons	G	120	23	*129.2	2.45	••B4	
		B	Empty					
	*4 permanently coupled coal wagons	G	120	23	*64.8	2.45	••B4	
		B	Empty					
NHRH	*7 permanently coupled coal wagons	G	120	23	*113.5	2.45	••B4	
		B	Empty					
NHSH	*3 permanently coupled coal wagons	C	100	23.8	*50.32	2.20	••B3	f,h
NHTF	Coal	C	76	20	15.1	1.80	••B3	
NHTH	Coal	F	100	23	17.1	1.80	••B3	g

General Instruction Pages

Locomotive and Rolling Stock Data

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
			92					b
			80					f,i
			empty					
NHVF	Coal	F	100	25	16.9	1.80	••B3	f,g
			92					b
NHWH	*4 permanently coupled coal wagons	G	120	25.4	*64.2	2.45	••B4	
		B	Empty					
NHYH	*4 permanently coupled coal wagons	G	120	21.9	*61.4	2.45	••B4	
		B	Empty					
RHAF	Mineral	C	76	20.2	14.6	0.90	B2	
RHBF	Mineral	C	76	20.2	14.6	0.90	B2	
RHCH	* 2 permanently coupled coal wagons	G	120	22	*31.3	2.45	••B4	
		C	Empty					
RHDF	Mineral	C	76	26.5	14.7	1.30	B2	
			92					b
			100					#
	# These vehicles are restricted to the areas of operation and operating conditions for G class vehicles when loaded between 92 tonnes gross and 100 tonnes gross.							
RHDH	*2 permanently coupled coal wagons	G	120	23	*30.8	2.45	ECP	
		B	Empty					
		C	100					#
#	For operation between Narrabri and Dartbrook Junction the following applies:							
	1. RHDH individual wagon load is 100 t gross allowing for 2% tolerance – maximum load 102 t as measured by certified weighing system.							
	2. Wagon to be uniformly loaded with maximum individual single end weight on a bogie 55 t – if the maximum on one end of the wagon is 55 t then the other end of the wagon is to be less than 45 t to be inside of the 100 t in 1 above.							
	3. Maximum wagon speed loaded at 100 t gross is 80 km/h.							
	4. Maximum speed over bridge at 416.270 km (near GAP) is 60 km per hour when the RHDH wagons are loaded at 100 t gross as above.							
	5. Maximum wagon speed empty - as per TOC for class of wagon.							
	6. Use of documented procedures for loading to ensure compliance with above for wagon loading.							
	7. Prior to each move confirmation from PNL that each loaded train complies with the above.							
RHEH	* 3 permanently coupled limestone wagons	C	76	21.3	*43.5	2.2	••B4	o
			80					p,o
			92					b,o
		F	100					h,o
RHFH	* 2 permanently coupled coal wagons	G	120	22.4	*32.5	2.45	••B4	
		B	Empty					
RHGF	Mineral	C	76	21.2	14.6	1.10	B2	
			92					b
RHHH	* 2 permanently coupled coal wagons	G	120	25.0	*32.2	2.45	••B4	
		A	Empty					
RHIF	Aggregate hopper (ex NGMA)	C	92	20.5	11.9	1.05	B2	b
RHJH	*2 permanently coupled coal wagons	F	100	23.0	*33.7	2.2	••B3	f,g
			92					b
RHJY	Sand hopper (Ex NGMA)	A	76	22.0	11.9	1.05	B2	
			84					c
			92					b
VHAF	Hopper grain	C	76	22.4	14.9	1.30	••B3	
			80					a
VHDX	Hopper dolomite	C	76	22	13.2	1.30	B1	
VHGF	Hopper grain	C	76	21	14.9	1.30	B2	
VHGX	Hopper Aluminium Nos 1 to 20	C	76	17	14.9	1.30	B1	
VHGY	Hopper grain	C	76	17	14.9	1.30	B2	
VHHF	Hopper grain	C	76	23	15.5	1.30	B2	
VHHX	Hopper grain	C	76	23	15.5	1.30	B3	
VHHY	Hopper grain	C	76	23	15.5	1.30	B2	
VHKY	Hopper grain	A	76	24	15.5	2.60	••B4	
			80					p
			84					c
			92					b
VHLY	Hopper grain (ex VHGY)	A	76	23.6	14.9	1.30	B2	
			80					p
			84					c
			92					b
VHNY	Hopper grain (ex VHEF)	A	76	24	15.53	1.30	B2	
			80					p
			84					c
			92					b
VHRF	Hopper	C	76	21	14.9	1.30	B2	
VHRX	Hopper	C	76	17	14.9	1.30	B1	
VHSF	Hopper sand	C	76	21	13.2	1.30	B1	
#	These vehicles are not fitted with grade control valves or fixed exhaust chokes. Restrictions apply if operating on the Main West. Refer to Railcorp and CRN operating requirements on this line.							
	If operating LOADED from Werris Creek to Murrurundi, Murrurundi to Werris Creek these vehicles must not exceed 50% of the train mass.							
	If operating EMPTY no restrictions apply.							

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Steel Product Wagons								
RKAF	*2 permanently coupled wagons	C	*136	*46	*29.8	1.30	B4	
RKAX	*2 permanently coupled Rail pair (8 axles)	C	*152	*36.6	*29.2	1.30	B1	n
RKBX	Slab	C	76	21.2	14.9	1.30	B1	
			80					a
RKCF	Steel products	C	76	22	15.0	0.90	B2	
			80					
RKCX	Merchant bar	C	74	23	14.9	1.30	B2/3	
			80					
RKCY	Merchant bar	A	78	24	15.1	1.85	B3	
			80					a

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RKDF	Merchant bar	C	76 80 92	22	15.1	1.85	B3	p b	
RKEF	Steel products	C	76 80 84 92	23.0	15.4	1.80	B3	p c b	
RKEX	Slab	C	76 80	22	14.9	1.30	B1	a	
RKFX	Slab	C	76 80	26	18.0	1.30	B2	a	
RKGF	Hot billet	C	76 80 92	20.5	15.1	1.85	B3	p b	
RKHF	Hot billet	C	76 80 92	22	15.1	1.85	B3	p b	
RKIY	Well	A	76 84 92	20	21.8	1.80	B4	r b	
RKJX	Slab (Ex RKEX)	C	76 80	22	14.9	1.30	B1	a	
RKJY	Slab steel	A	78 80	24	15.1	1.80	B3	a	
RKKY	3 unit feedstock (12 axles)	A	228 252 276	51	43.5	1.85	B4	r b	
<p>• RKKY vehicles are restricted to a maximum gross mass of 240 tonnes (maximum speed of 70km/h) on the following routes: <i>Gulgong – Merrygoen – Dubbo, Dubbo – Narromine – Parkes</i>, and are permitted to operate at a maximum gross mass of 276 tonnes (maximum speed of 55km/h) between <i>Cootamundra – Stockinbingal and Parkes</i>.</p>									
RKLF	2 unit Rail pair (8 axles)	C	152	40	30.4	1.30	B2	n	
RKLX	Coil container	C	74 80	20	14.9	1.30	B1	a	
RKLY	Coil container	A	78 80	19.5	15.1	1.85	B3	a	
RKMX	2 slot container	C	76 80	16	14.9	1.30	B3	a	
RKMY	2 slot coil container wagon	A	76 80	16	14.9	1.30	B3	a	
RKNF	Bulk steel	C	76 80	31	25.9	1.30	B3	a	
RKNX	Coil container	C	74 80	20	14.9	1.30	B3	a	
RKOX	Bulk steel	C	76 80	27	23.8	1.30	B3	a	
RKPF	Plate steel	C	76 80 92	21	18.6	0.90	B3	p b	
RKPX	Plate	C	76 80	22	18.6	0.90	B3	a	
RKQF	Plate	C	76 80 92	20	18.0	0.90	B3	p b	
RKQX	Steel plate	C	76 80	20	18.0	0.90	B3	a	
RKRF	2 unit Rail pair (8 axles)	C	152	42.4	30.4	1.30	B2	n	
RKSX	Side steel plate	C	65	25	14.6	0.75	B1		
RKSY	3 unit slab (12 axles)	B	228 252 276	38	42.5	1.80	B4	c b	
RKTF	Pipes	C	76 80 92	28	23.8	1.30	B3	p b	
RKTX	Steel strap	C	76 80	28.2	24.0	1.30	B3	a	
RKUX	Slab	C	76 80	22	14.9	1.30	B1	a	
RKVY	Plate (tilt bed)	A	76 84 92	25.5	20.8	1.85	B4	o c,o b,o	
RKWY	Structural	A	76 80 84 92	26	23.8	1.30	B3	p c b	
RKXF	Plate	C	76 80 92	27	23.8	0.90	B2	p b	
RKXX	Steel	C	76 80	27	23.8	0.90	B2	a	
RKYY	Plate (tilt bed)	A	76 84 92	23	20.8	1.85	B4	c b	
RKZY	Slab/ coil steel	A	76 84 92	19	14.6	1.80	B4	r b	

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Louvered Vans								

NLDF	Van	C	76	28	21.7	1.80	B3	
			80					a
NLDY	Van	A	76	28	21.7	1.80	B3	
			80					a
NLJX	Van	C	76	27	18.0	0.90	B3	
			80					a
NLJY	Van	A	78	29	18.0	0.90	B3	
			80					a
NLKF	Van	C	76	27	18.0	1.30	B3	
			80					a
NLKY	Van	A	78	29	18.0	1.30	B3	
			80					a
RLEX	Van	C	76	26	18.1	1.30	B1	
			80					a
RLLX	Van	C	76	26	18.1	1.30	B1	
			80					a
RLPY	Van	A	78	29	18.0	1.30	B3	
			80					a
RLSY	Van	A	78	29	18.0	1.30	B3	
			80					a
RLUY	Van	A	78	29	18.0	1.30	B3	
			80					a
VLCX	Louvre	C	62	22	13.1	0.90	B1	
VLDX	Louvre	C	76	26	16.8	1.30	B1	
VLEX	Louvre	C	76	26	18.1	1.30	B1	
VLEY	Louvre	A	76	26	18.1	1.30	B2	
VLNX	Louvre (Newsprint, steel flour)	C	76	33	18.1	1.30	B1	

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Automobile Carrier								
RMAX	Car carrier	C	38	26	23.8	1.30	B3	
RMBY	Car carrier	A	40	25	23.1	1.30	B1	
RMNY	Car carrier	A	47	32	23.8	1.30	B3	
RMTY	Car carrier	A	41	26	23.1	1.80	B3	
VMAX	Car carrier 6 vehicles	C	30	20	17.9	1.30	B1	
VMBY	Car carrier conveys 8 or 10 vehicles	A	40	25	23.4	1.30	B1	

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Open Wagons								
NOBF	Without doors	C	76	22	15.0	0.75	B3	
			80					a
	<i>When conveying containers all possible positions for containers within wagon must be occupied by either empty or loaded containers i.e. 2 x 6 m or 1 x 12 m container (s)</i>							
NOBX	Open	C	76	22	15.0	0.75	B3	
			80					a
NOCY	Open	A	78	28	20.1	1.80	B3	
			80					a
NODY	Open	A	78	24	15.1	1.80	B3	
			80					a
NOEF	Concentrate	C	74	18	11.0	0.90	B3	
NOFF	Ore	C	76	18	11.0	1.80	B3	
NOHF	Concentrate	C	72	21	13.1	0.75	B2	
NOFP	Concentrate wagon, no doors ex NOHF	C	72	21	13.1	0.90	B2	
ROBX	Open	C	76	23	14.9	1.30	B1	
			80					a
ROCY	Open	A	78	28	20.1	1.80	B3	
			80					a
ROHF	Open	C	78	17	10.3	1.30	B2	
			92					t
ROKX	Open	C	76	28	23.7	1.30	B3	
			80					a
ROOX	Open	C	76	28	23.7	1.30	B3	
			80					a
ROQF	Open	C	76	17	10.3	1.30	B3	
			80					a
ROSX	Open	C	76	23	14.9	1.30	B1	
			80					a
VOBX	Open without ridge cover	C	74	23	14.9	0.90	B1	
VOCX	Open with ridge gear	C	74	23	14.9	0.90	B1	
VOFX	Open (Gypsum)	C	76	23	14.9	0.90	B1	
			80					a

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Bulk Hopper Wagons								
NPCF	Cement	C	76	18	15.0	0.90	B3	
NPEF	Cement clinker	C	76	20	15.1	1.80	B3	
NPFH	Limestone	F	100	23	17.1	1.80	••B3	
			92					b
			80					f,i
NPHH	Cement	C	100	24	14.5	1.80	••B3	
		B	Empty					h
NPIH	Limestone	F	100	27	16.9	1.80	••B3	
			92					b

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			80					f,i
NPJH	Limestone	F	100	23	17.1	1.80	••B3	g
			92					b
			80					f,i
NPKH	Limestone	F	100	23	17.1	1.80	••B3	g
			92					b
			80					f,i
NPPF	Limestone	C	76	18	15.1	0.90	••B2	
NPRF	Cement	B	78	20	12.6	1.80	B3	
NPRY	Cement	B	78	20	12.6	1.80	B3	
NPSF	Flyash	C	76	18	14.5	0.90	B2	
NPSH	Limestone & aggregate. Shortened NHVF.	C	76	22.5	13.4	1.8	••B3	u
			80					a
			92					b
NPZH	Limestone	F	100	27	16.9	1.80	••B3	g
			92					b
			80					f,i
VPBX	Bulk cement	C	76	26	14.1	1.30	B1	
VPCX	Bulk cement	C	76	26	14.1	1.30	B1	
VPFX	Bulk flour	C	74	29	16.6	1.30	B1	
VPLX	Bulk lime	C	74	29	16.6	1.30	B1	

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Container flat Wagons								
NQCX	Containers	C	76	18	14.6	1.25	B3	s
			80					a,s
NQDX	Containers	C	76	27	23.8	0.90	B2	
			80					a
NQEX	Containers	C	76	27	23.8	0.90	B2	
			80					a
NQFF	Containers	C	76	20	20.5	1.80	B3	s
			92					b,s
NQGY	Containers	A	78	22	20.1	1.80	B3	s
NQHX	Concentrate containers	C	76	18	14.6	1.25	B3	s
			80#					a,s
NQIF	Containers	C	76	18	14.6	0.90	B3	s
			80					a,s
NQIX	Containers	C	76	18	14.6	1.25	B3	s
			80#					a,s
NQIY	Containers	A	78	20	14.6	1.80	B3	s
NQKF	Containers	C	76	20	20.1	1.80	B3	s
			92					b,s
NQKY	Containers	A	78	21	20.1	1.80	B3	s
			80					a,s
NQOF	Containers	C	76	19.2	20.1	1.30	B3	s
			80					a,s
NQOX	Containers	C	76	21	20.1	1.30	B3	s
			80					a,s
NQOY	Containers	A	78	24	20.1	1.30	B3	s
NQPY	Containers	A	76	21	20.1	1.30	B3	s
			80					r,a2,s
NQRX	Containers	C	76	19	18.0	0.90	B3	s
			80					a,s
NQSY	Containers	A	78	22	20.1	1.30	B3	s
NQTY	Containers (Ex NQYY)	A	78	18.6	15.1	1.80	B3	s
			80					a,s
NQVF	Containers	C	76	25	23.2	0.90	B2	
			80					a
NQVX	Containers	C	76	25	23.2	0.90	B2	
			80					a
NQYY	Containers	A	78	18.6	15.1	1.80	B3	s
			80					a,s
NQZA	Containers	C	63	18	14.6	0.75	B2	s
PRRY	Skeletal wagon for 48' container traffic Nos 5006 - 5025	A	76	18	15.6	1.80	B4	s
			84					c,s
			92					b,s
PRXY	5 platform skeletal wagon (12 axles) Nos 5001 - 5005	A	228	60	77.0	1.80	B4	o,u
			240					p,o,u
			252					r,o,u
RQAY	Containers	A	78	22	20.1	1.80	B3	s
RQBY	Containers <i>When fitted with SMORGON container for long reinforcing rod, this vehicle may only be marshalled with a trailing load for 0.90 capacity. When loaded with normal containers or when empty the draw capacity may revert to 1.30 (as per NQSY)</i>	A	78	22	20.1	1.30	B3	s
RQCX	Containers	C	76	20	21.0	1.30	B3	s
			80					a,s
RQCY	Containers	A	76	20	20.1	1.30	B3	s
			80					a,s
RQDW	Containers	A	76	24	25.7	1.30	B3	
			80					a
RQDY	Containers	A	76	23	25.7	1.30	B3	
			84					r
			92					b
RQEY	2 pack articulated containers (6 axles)	A	114	32	27.6	1.80	B2	s,v
RQFX	Containers	C	76	19	20.1	1.30	B2	s
			80					a,s
RQFY	Containers	A	78	22	20.1	1.30	B3	s
			80					a,s
RQGY	Containers	A	78	22	20.1	1.30	B3	s

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RQHY	Container flat	A	76	19.7	19.4	1.80	B4	s
			84					c,s
			92					b,s
RQIW	Containers	A	78	18	14.6	1.80	B4	s
			80					a,s
RQIY	Containers	A	78	20	14.6	1.85	B3	s
			80					a,s
RQJW	Containers	A	78	27	25.6	1.80	B3	
RQJY	5 pack articulated (12 axles)	A	228	48	64.5	1.80	B4	s,u
			252					r,s,u
			276					b,s,u
RQKY	Containers	A	76	22	20.1	1.30	B3	s
			80					a,s
RQLY	5 pack articulated – single centre well (12 axles)	A	228	52	67.4	1.80	B4	s,u
			252					r,s,u
			276					b,s,u
RQMF	Containers	C	76	22	20.1	1.30	B3	s
			80					p,s
			92					b,s
RQMY	Containers	A	76	22	20.1	1.30	B3	s,
			84					r,s
			92					b,s
RQNW	Containers	A	76	23	25.7	1.30	B3	
			80					a
RQOY	Containers	B	76	26	23.7	1.30	B3	
			80					a
RQPW	Containers	A	78	25	25.8	1.30	B3	
RQQY	5 pack articulated (12 axles)	A	228	56	77.9	1.80	B4	s,u
			252					r,s,u
			276					b,s,u
RQRF	Containers	C	76	27	23.4	0.90	B2	
			80					p
			92					b
RQRX	Containers	C	76	27	23.4	0.90	B2	
			80					a
RQRY	Containers	A	76	17.6	15.9	1.80	B4	s
			84					r,s
			92					b,s
RQSY	Containers	A	78	22	20.1	1.30	B3	s
			80					a,s
RQTY	Containers	A	76	18	20.1	1.60	B2	s
			84					r,s
			92					b,s
RQWW	Containers	A	78	25	25.6	1.80	B3	
RQWY	5 unit well (20 axles)	A	380	93	91.9	1.80	B4	o
RQXY	Containers	B	76	25	23.7	1.30	B3	
			84					r
			92					b
RQYY	5 pack articulated (12 axles)	A	228	68	92.1	1.80	B4	u
			252	68	92.1	1.80	B4	r,u
RQZY	5 unit well (20 axles)	A	300	98	106.5	1.80	B4	
VQCX	Container flat	C	76	20	20.1	1.30	B1	s
			80					a,s
VQCY	Container flat (Ex RQCY)	A	76	20	20.1	1.30	B3	s
			80					r,a2,s
VQDW	Container flat	C	76	23	25.7	1.30	B1	
VQGX	Container flat	C	68	23	23.2	1.30	B1	
VQJY	Container flat (Ex VQCY)	A	76	22	20.1	1.30	B1	s
			80					a,s
VQKX	Container flat	C	76	25	23.7	1.30	B1	
VQKY	Container flat	B	76	25	23.7	1.30	B1	
VQLX	Container flat	C	76	22	20.7	1.30	B1	s
VQMX	Container flat (Ex VQCX)	C	76	20	20.1	1.30	B1	s
			80					a,s
VQMY	Container flat (Ex VQCY)	A	76	20	20.1	1.30	B1	s
			80					a,s
VQOF	Container flat	C	76	19.0	14.9	0.90	B1	s
			80					a,s
VQOX	Container flat	C	76	21	14.9	0.90	B1	s
			80					a,s
VQRF	Container flat rice traffic (Ex VQCX)	C	76	20	20.1	1.30	B1	s
			80					a,s
VQTY	Container flat (Ex VQCY)	A	76	20	20.1	1.30	B2	s
			80					r,a2,s
RRAY	5 pack articulated (12 axles)	A	228	53	73.1	1.80	B4	s,u
RRBY	5 pack articulated (12 axles)	A	228	51	65.8	1.80	B4	s,u
RRCY	5 unit well (20 axles)	A	380	95	94.4	1.80	B4	o
			420					r,o
RRDY	Containers	A	76	20	20.1	1.60	B2	s
			84					r,s
			92					b,s
RREY	Containers	A	76	18	20.1	2.20	B2	s
			84					r,s
			92					b,s
RRFY	3 unit well (12 axles)	A	228	56	55.6	1.80	B4	o
RRGY	5 pack articulated (12 axles)	A	228	55	73.1	1.80	B4	s,u
RRIY	Stand alone well wagon	A	76	20	12.3	1.8	B4	r
			84					
RRKY	Containers	A	76	22	20.1	1.30	B3	s,
			80					a,s

RRLX	Containers	C	76	16.2	14.9	1.30	B3	s
			80					a,s
RRQY	5 pack articulated (12 axles)	A	228	61	77	1.80	B4	o,v
			240					p,o,v
			252					r,o,v
RRRY	5 pack bogie well (20 axles)	A	420	103	106.3	1.80	B4	r
RRSY	Containers	A	78	23.5	20.1	1.30	B3	s
			80					a,s
RRTY	Containers	A	76	20	20.1	1.60	B2	s
			84					r,s
			92					b,s
RRWY	Well	A	76	20	19.4	1.80	B4	s
RRXY	5 pack bogie well (20 axles)	A	380	99	94.5	1.80	B4	o
			420					r,o
			460					b,o
RRYY	5 pack cartainer(12 axles)	A	200	59.6	88.1	1.80	B4	o,u
RRZY	5 unit bogie well (20 axles)	A	350	102	106.5	1.80	B4	
			380					#
			420					#

May operate to a gross mass of up to 420 tonnes. However a maximum speed of 100 km/h shall apply for a gross mass exceeding 380 tonnes, each RRZY vehicle having a gross mass exceeding 350 tonnes shall be treated as being equivalent to one 76 tonne vehicle air brake cut out and thus will be subject to the 10% air brake cut out rule specified in **General Instruction Pages – SECTION 8 – Disabled Trains and Defective Vehicles – Defective Air brake.**

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
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Trailerail

Rail compatible Road Trailer Transition bogies - Trailerail								
RATY	Terminal trailerail transition vehicle	A	--	8.7	14.2	0.90	B4	#
RASY	Intermediate trailerail transition vehicle	A	--	4.5	14.2	--	B4	#
Rail compatible Road Trailers – Trailerail								
RANA	Trailerail car carrier (No 1018)	A	38	11.5	--	0.65	B4	#
RTSC	Trailerail curtain sided (Nos 2030 – 2044)	A	38	10.1	--	0.65	B4	#
RTSR	Trailerail refrig pantech (Nos 2070 – 2079)	A	38	13	--	0.65	B4	#
RTSV	Trailerail pantech (Nos 2000 – 2012)	A	38	9.3	--	0.65	B4	#

Road N Rail

Rail compatible Road Trailer Transition bogies – Road N Rail								
RADY	Intermediate Road N Rail transition vehicle	A	--	5.3	15.0	--	B4	#
RAFY	Leading terminal Road N Rail transition vehicle	A	--	8.4	15.0	0.90	B4	#
RARY	Trailing terminal Road N Rail transition vehicle	A	--	8.4	16.8	0.90	B4	#
Rail compatible Road Trailers – Road N Rail								
RTSC	Road N Rail curtain sided (Nos 3100 – 3124)	A	38	12.25	--	0.90	B4	#
RTSR	Road N Rail refrig van (Nos 3200 – 3216)	A	38	11.15	--	0.90	B4	#
RTSV	Road N Rail pantech (Nos 3000 – 3012)	A	38	10.6	--	0.90	B4	#

These vehicles are permitted to operate to a gross mass between 38 and 40 tonnes on the following routes and speed as follows:

At A class speeds **

All tracks Class 1, 1C, and 1XC

At a maximum speed of 70 km/h

Gulgong – Merrygoen – Dubbo
 Dubbo – Narromine – Parkes
 Cootamundra – Stockinbingal – Parkes

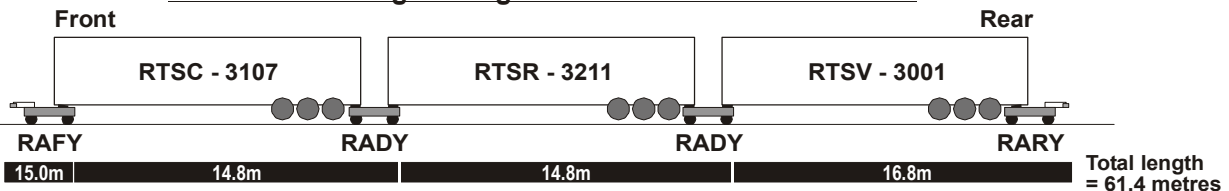
** These vehicles are only permitted to operate on the routes designated in Diagram 3 LOADING RESTRICTION SECTION Page 8. (They are not permitted to operate Unanderra – Moss Vale, Muswellbrook – Werris Creek).

CONDITIONS FOR TRAILERAIL

Trailerail freight vehicles consist of a road trailer mounted on transition vehicles (rail bogies). The terminal transition vehicle (rail bogie) at each end of a Trailerail consist is fitted with an automatic coupler.

No brake retention test is required to be carried out on these vehicles, as all Trailerail vehicles are fitted with spring parking brakes and these vehicles are examined and tested before departure to ensure that all spring parking brakes are operating.

Calculation of length and gross mass of a Trailerail consist



RAFY = 8.40T	RADY = 5.30T	RADY = 5.30T	RARY = 8.40T
RTSC 3107 Tare = 12.25T	RTSR 3211 Tare = 11.15T	RTSV 3001 Tare = 10.60T	
RTSC 3107 Payload = 10.00T	RTSR 3211 Payload = 12.00T	RTSV 3001 Payload = 8.00T	
Gross Mass = 27.55T	Gross Mass = 28.45T	Gross Mass = 27.00T	

The length of a trailer is included in the length of the transition vehicle (rail bogie) at the rear of the trailer. The consist length is calculated by adding the lengths of all transition vehicles. Due to the variation in the various trailer types, the length of the front transition vehicle is overestimated at 14.2 for Trailerail and 15.0 metres for Road N Rail consists.

The gross mass of a trailer includes the mass of the transition vehicle at the rear of the trailer, the tare mass of the trailer and the payload. The gross mass of a consist is calculated by adding the mass of the front transition vehicle and the gross mass of all the trailers.

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Rail compatible trailers are to be entered on train consist forms showing the transition vehicle code and the number listed in the left-hand columns and the trailer code and number in the right-hand remarks column.

When assisting a disabled train containing Trailerrail vehicles a speed restriction of **80 km/h** applies if hauling the train from the rear. No speed restrictions apply when hauling from the front of the train.

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Tank Wagons								
NTOF	Oil tanker	C	76	22.6	14.5	0.90	B2	
VTBX	Tank bitumen	C	76	31	14.0	0.90	B1	
VTQX	Tank white spirit	C	76	27	16.4	1.30	B1	
VTQY	Tank	A	74.8	27.3	15.5	1.30	B2	

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Brakevans								
NVKF		A	30	24	14.5	0.90	B1	

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Well Wagons								
NWLF	Well wagon, 50 tonne capacity (<i>Must not traverse curves of less than 120m radius.</i>)	C	74	24	14.9	0.75	B1	

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Special Purpose vehicles								
BTC	Brake Test Car	A	27	27	12.1	1.80	••B3	
L	Sand carrying vehicles Nos 562, 566, 569, 570 and 578	C	76	25.7	11.9	0.75	B2	
DOT	Bogie Tank wagon	C	76	28	18.1	0.75	B1	
NZAF	Flat	C	45	14	13.1	0.75	B2	
NZCF	Containers	C	57	16	14.6	0.75	B2	
NZMF	Containers	C	45	16	13.1	0.75	B2	
NZTF	Cover	C	76	22	15.0	0.75	B2	
			80					a
NZWF	Wheel sets	C	61	19	13.1	0.75	B2	
NZZA	Special loads, 16 wheels NZZA 530	D	183	60	22.2	0.75	B1	#
NZZA	Special loads, 24 wheels NZZA 600	D	309	99	28.4	0.75	B1	#
	# When two or more NZZA vehicles are marshalled on a train, a bogie flat vehicle of at least 13.7 metres in length must be marshalled between each NZZA vehicle.							
RZAY	Relay van	A	50	48	23.9	1.30	B3	
RZBY	Relay van	A	49	47	23.9	1.30	B1	
RZCY	Open	A	78	28	20.1	1.80	B3	
			80					a
RZXY	Wheel sets	A	76	30	23.7	1.30	B3	
			84					r
			92					b
VPAY	Crew car (Ex Commonwealth car AVDP)	A	48	46	23.7	1.30		

Special Purpose – 120 tonne Accident crane

CODE	DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	MAX LOADED MASS (tonne)	PASSENGER CAPACITY	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	REMARKS
	120 tonne Accident crane	50	124.9	N/A	10.7	--	To operate in conjunction with L668 and L452
L688	Jib truck	50	26.8	N/A	13.0	--	
L452	Weight truck	50	35.5	N/A	7.9	--	
FAM	Crew Accom.	115	49	18 berths	23.8	0.50	No 2389
MHN	Equipment van	115	46	24 tonnes	23.4	0.50	No 2365
PHN	Power Van	115	52	6 tonne	23.4	0.50	No 2362

Pacific Power – Freight Rolling Stock

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
NZZA	Special loads, 48 wheels NZZA 800 * Loaded % Unloaded	D	600	215	48.9*	1.80	B2	#
					36.1%	1.80	B2	#
	# When two or more NZZA vehicles are marshalled on a train, a bogie flat vehicle of at least 13.7 metres in length must be marshalled between each NZZA vehicle.							

Patrick – Freight Rolling Stock

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
NQFF	Containers	C	76	20	20.5	1.80	B3	s
			92					b,s

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CQMY	Container flat	A	76	22	25.7	2.20	••B3	s
			80					p,s
			84					r,s
			92					b,s,t
PQAY	Container flat	B	76	20.3	19.35	2.20	B3	s
			84					c,s
			92					b,s
PQZY	Container flat – 4 x 20' slots	A	76	22.5	25.7	1.8	B4	s
			80					p,s
			84					c,s
			92					b,s,t

QR National - Locomotives

CODE	CATEGORY		DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	LIVE WEIGHT (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	POWER (HP)	REMARKS	General Notes
	SPEED	LOAD								
423	S11	L12	Diesel	80#	95.1	16.0	1.00	1500	# to be revised subject to testing	
5000	S1#	NA	Diesel	80	180	22.0	5.35	4000	# speed category only applicable to ARTC tracks	
5020	S1#	L0	Diesel	80	180	22.0	5.35	4354	Nos 5021 - 5039 # speed category only applicable to ARTC tracks	
6000	S1	L1 ¹	Diesel	80	140	22.0	2.40	4270	Nos 6001-6012 Note 'o' applies – exception see Note 4	
	S2	L2 ²		100	136.2					
	S3	L2 ³		115	134					

Notes:

- 1 Loads can be 1.25 times L2 load (for loaded and empty coal trains only this may be increased to 1.4 times L2 subject to operator's concurrence and achievement of section run times). Speed category of S1 is for same area of operation as 90 & 5000 class locos.
- 2 Loads can be up to 1.32 times L2 load category subject to operator's concurrence and achievement of section run times. Speed category of S2 is for same area of operation as L & 31 class locos.
- 3 Loads can be up to 1.32 times L2 load category subject to operator's concurrence and achievement of section run times. Speed category of S3 is for same area of operation as C & Cs class locos.
- 4 Exception to Note 'o' applies – 92 class is authorised to run between Werris Creek and Narrabri.

QR National - Passenger Rolling Stock

CODE	DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	MAX LOADED MASS (tonne)	PASSENGER CAPACITY	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	REMARKS
QCAY	Crew car	115	56.6	12	23.9	1.56	Note 'o'
	Dining/ boutique car	100	34	22	16.6	0.50	
QHDB	Dining car	100	33	32	16.6	0.50	
QHDS	Deluxe Sleeper	100	35	8	16.6	0.50	
QHGC	Galley car	100	37	N/A	16.6	0.50	
QHLC	Lounge car	100	35	18	16.6	0.50	
QHLS	Luxury Sleeper	100	35	8	16.6	0.50	
QHOC	Observation car	100	33	24	16.6	0.50	
QHPB	Power/Baggage	100	40	N/A	16.6	0.50	
QHSC	Staff car	100	35	18	16.6	0.50	
QHSS	State car	100	33	4	16.6	0.50	

QR National – Freight Rolling Stock

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Hopper Wagons								
QHAH	*2 permanently coupled coal wagons	G	120	22.75	*33.2	2.5	ECP	
		C	Empty	22.75	*33.2	2.5	ECP	
QHBF	Coal	C	76	15.5	15.1	2.90	B3	
	# When loaded to above 76 tonne maximum speed 60 km/h. When loaded above 76 tonne and wagon is to be stabled, one cover vehicle is to accompany each QHBF wagon.		80					#
QHBH	*2 permanently coupled coal wagons	G	120	21.75	*33.4	2.45	ECP	
		C	Empty					

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Container flat wagons								
QQAY	Container flat	A	76	18.7	19.4	2.5	B3	
			80					a
QQCY	5 pack articulated container wagon (12 axles)	A	228	56.7	77.3	2.45	B4	o,s,u
			252					o,r,s,u
QQEY	Container flat with electrical cabling (Ex AQQY/AEQY)	B	76	23	20.1	1.30	B3	s
			80					a,s
QQFY	Containers (Ex RQMY)	A	76	22	20.1	1.30	B3	s
			84					r,s
			92					b,s
QQGY	Container flat (ex VQCY) – 30' container capability	A	76	20.0	20.1	1.30	B2	s
			80					a,s
QQJY	Containers (Ex RQKY/RRKY)	A	76	22	20.1	1.30	B3	s
			80					a,s
QQKY	Container flat	B	76	25	23.7	1.30	B2	
QQLY	5 pack artic – single centre well 12 axles (Ex AQLY/RQLY)	A	228	52	67.4	1.80	B4	s,u
			252					r,s,u

		276					b,s,u
QQMY	Containers (Ex RQWW)	A	78	25	25.6	1.80	B3
QGOY	2 pack artic container – 6 axles (Ex AQEY)	B	112	32	27.6	1.80	B2
QOPY	2 pack artic container – 6 axles (Ex AQKY)	B	112	30	25.8	1.80	B2
QQQY	Containers (Ex AQQY)	B	76	23	20.1	1.30	B3
			80				a,s
QQRV	Containers (Ex WQCY/AQCY)	B	76	22	20.1	1.30	B3
			80				a,o,s
QQTY	Containers (ex VQCY)	A	76	20.0	20.1	1.30	B2
			80				a,s
QQXY	Containers (Ex RQXY)	B	76	25	23.7	1.30	B3
			84				r
			92				b

RailCorp - Locomotives

CODE	CATEGORY		DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	LIVE WEIGHT (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	POWER (HP)	REMARKS	General Notes
	SPEED	LOAD								
48	S13	L13	Diesel	100	75.2	14.800	0.90	900	Ex SRA Locos – 4819 & 4827 scrubber exhaust equipped for tunnel working	

RailCorp - Rail Cars

CODE	DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	MAX LOADED MASS (tonne)	PASSENGER CAPACITY	COUPLED LENGTH (m)	WIDTH (m)	REMARKS
HM	Hunter rail car	145	61.0	#	25.2	2.93	Nos 2701 – 2707 # 77 seats + 2 x wheelchairs + 60 standing
HMT	Hunter rail car with toilet	145	61.5	#	25.2	2.93	Nos 2751 - 2757 # 69 seats + 2 x wheelchairs + 60 standing
LE	Endeavour motor (luggage)	145	56.6	95	25.2	2.92	Nos 2851 - 2864
TE	Endeavour motor (toilet)	145	57.8	82	25.2	2.92	Nos 2801 - 2814

RailCorp – Freight Rolling Stock

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Track Maintenance Vehicles								
NALF	Robel train generator/compressor wagon	C	46.7	19.8	15.0	0.75	B3	
NDBF	Spoil wagon (ex NDCH) with crew work platform	C	51.3	17.3	11.7	0.75	B2	
NDCF	Spoil	C	71.4	22	13.1	0.75	B1	
NDCH	Spoil	C	73	22	15.0	0.75	B2	
NDDF	DESEC carrying wagon	C	76	22	19.3	2.2	B2	
NDEF	Robel train clamp wagon	C	60	31	20.1	1.80	B3	
NDFF	Ballast air operated discharge door	C	74	20	11.9	1.80	••B3	
	OPERATION OF NDDF WAGONS OUTSIDE A WORKSITE WHEN UNEVENLY LOADED							
	<i>The NDDF ballast wagons shall not leave a worksite with an excessive load imbalance. This can result in a derailment of the vehicle. An excessive load imbalance can result when more ballast is discharged from the outer doors on one side of the wagon than that of the other side. Under exceptional circumstances, the worksite supervisor may arrange for an excessively unbalanced wagon to be taken to the nearest siding for detachment from the train in order to clear the section. In this case, the following operating conditions shall apply:</i>							
	1. <i>The unbalanced wagon is not to exceed a maximum speed of 25 km/h.</i>							
	2. <i>The unbalanced wagon must not pass another unbalanced NDDF wagon (whether stationary or in motion), on parallel lines where the load imbalance causes both wagons to lean towards one another.</i>							
	3. <i>The driver of the train conveying the unbalanced wagon must be informed of the load imbalance.</i>							
	4. <i>Personnel on or about the track must remain a safe distance from the unbalanced wagon during its movement, and they shall be warned that there is danger of derailment.</i>							
	5. <i>The unbalanced wagon is not to travel further than the nearest practical location in order to clear the section.</i>							
NDGF	Concrete sleepers	C	75	20.5	14.6	0.75	B3	
NDHF	Concrete sleepers (ex NDGF)	C	75	19.6	14.6	0.75	B3	
NDIF	Robel Rail Train Chute Wagon	C	53.75	36.11	23.8	2.2	B3	
	<i>Must be transferred in the loaded condition, that is with the gantry anchored on the vehicle.</i>							
NDJF	Robel Rail Train Compensation Wagon	C	48.72	22.61	15.0	2.2	B3	
NDKF	Robel Rail Train Clamp Wagon	C	52.80	26.69	15.0	2.2	B3	
NDLF	Robel Rail Train Standard Wagon	C	47.23	21.12	15.0	2.2	B3	
NDMX	Ex NOBX wagons	C	76	22	15.0	0.75	B3	
			80					a
NDNF	Spoil wagon (ex NDCH)	C	54.3	17.3	11.7	0.75	B2	
NDOF	Ballast plough	C	37	30	14.0	2.2	••B4	
NDRF	Welded rail	C	67	22	14.6	0.75	B2	#
	# Specific Nos: 1951, 2333, 2321, 2337, 2337, 2330, 2334, 1972, 1918, 1959, 2331, 1967, 2305, 2323, 1976, 2340							
NDRF	Welded rail (numbered 2301 to 2347 only)							
	8 Permanently coupled rail sets (32 axles)	C	512	152	116.8	0.90	B2	
	9 Permanently coupled rail sets (36 axles)	C	576	171	131.4	0.90	B2	
	16 Permanently coupled rail sets (64 axles)	C	1024	304	233.6	0.90	B2	
NDUF	Flat track panel transport wagon	C	60	30	29.0	1.0	B4	
NDVF	Container wagon	C	76	19.1	15.0	2.2	B4	
NDWF	Container wagon for transport of sleepers	C	76	20.3	15.0	0.75	B4	
NDXF	Ex NOBX concrete sleeper wagons	C	76	21	15.0	0.75	B2	
NDYF	Container – fitted with gantry rail (Ex NDXF)	C	76	21	15.0	0.75	B2	
NDFZ	Track panel wagon	C	72	32	28.0	1.8	B4	
NFGF	Match wagon for NHMF wagon	C	20.4	20.4	12.5	0.75	B2	
NFNF	Match wagon for RM74 Ballast Cleaner	C	18	18	12.5	0.75	B2	

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NFPF	Match wagon for NHMF wagon	C	18	18	12.5	0.75	B2	
NHBF	Ballast	C	61	19	12.4	1.80	B3	
NHMF	Material handling	C	76	45	*22.6	2.2	B4	
		C	80					a
		C	92					b
		F	100					g
		G	120					
<p><i>These wagons must be marshalled with a match wagon containing a conveyor support coupled to the conveyor end of the vehicle. * The conveyor extends 4.3 metres past the vehicle coupler.</i></p>								
NHSF	Side dump wagons	C	76	38	12.6	1.80	••B3	
<p><i>These side dump vehicles are fitted with conveyers and must not be coupled directly to a locomotive. The vehicles marshalled between a side dump vehicle and a locomotive must be either an empty flat vehicle or a specially designed generator vehicle. The main reservoir hoses must be coupled throughout the train and all coupling cocks opened between the vehicles, the rear locomotive and the first vehicle, and between all other vehicles that have main reservoir hoses.</i></p>								
NLJF	Louvre van	C	50	20	14.6	0.75	B2	
NZBF	Ballast plough	C	33	33	11.6	0.75	B2	
NZNY	Profile wagon	A	32	32	23.8	1.30	B2	

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Container wagons								
NQAF	Container flat (ex NLJF)	C	74	18.4	14.6	0.75	B2	
NQJX	Container flat	C	76	16.5	15.0	1.3	B3	s
			80					a,s

Rail Experience - Passenger Rolling Stock

CODE	DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	MAX LOADED MASS (tonne)	PASSENGER CAPACITY	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	REMARKS
DF	Diner	115	48	48 Diners	23.8	0.90	Nos 295 and 935

Rail Motor Society – Rail Motors

CODE	DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	MAX LOADED MASS (tonne)	PASSENGER CAPACITY	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	REMARKS
CPH1	Rail Motor	80	25	43	13.6	Small Hook	Must be operated with No 2 end leading. Impact resistant windows fitted No 2 end.
CPH3	Rail Motor	80	25	43	13.6	Small Hook	Must be operated with either end leading. Impact resistant windows fitted both ends.
CPH7	Rail Motor	80	25	43	13.6	Small Hook	Must be operated with No 1 end leading. Impact resistant windows fitted No 1 end.
HPC	Rail Motor	115	34	27	16.3	Large Hook	No 402
NPF	Motor car	115	43	48	19.2	Small auto	No 621
NTC	Trailer car	115	35	54	19.2	Small auto	No 721

The above rail motors will operate track circuits correctly and **are not** required to be operated and worked as a block train.

Rail Power Pty Ltd - Locomotives

CODE	CATEGORY		DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	LIVE WEIGHT (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	POWER (HP)	REMARKS	General Notes
	SPEED	LOAD								
S	S8	L12	Diesel	115	123	16.0	0.9	1800	No 312	

Rothbury Riot Railway & Steam Museum Group Ltd. - Passenger Rolling Stock

CODE	DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	MAX LOADED MASS (tonne)	PASSENGER CAPACITY	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	REMARKS
MFA	Passenger	115	50	84	21.4	0.30	Nos 2724, 2714 Wooden body
MH	Passenger	115	50	64	21.4	0.30	No 2711 Wooden body
NDS	Passenger	115	41	60	21.5	0.50	
RDH	Passenger	115	45	30	20.3	0.50	No 2239

Seymour Rail Heritage Centre Inc. – Locomotives

CODE	CATEGORY		DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	LIVE WEIGHT (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	POWER (HP)	REMARKS	General Notes
	SPEED	LOAD								
B74	S6	L12	Diesel	115	123	17.8	0.90	1500		m

Seymour Rail Heritage Centre Inc. - Passenger Rolling Stock

CODE	DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	MAX LOADED MASS (tonne)	PASSENGER CAPACITY	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	REMARKS
BS	Radio Test car	115	47.3	--	22.8	0.50	

South Spur Rail Services – Locomotives

CODE	CATEGORY		DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	LIVE WEIGHT (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	POWER (HP)	REMARKS	General Notes
	SPEED	LOAD								
18	S7	L10	Diesel Electric	90	120	17.9	0.75	2000	Ex Westrail NB class – fuel 4000 litres No 1874	
44s --	S10	L12	Diesel	115	108	17.8	0.90	1600	Ex SAR 930-961 class	
45s --	S9	L12	Diesel	115	112	17.9	0.90	1800	Ex SRA 45 class	
48s --	S13	L13	Diesel	100	78	14.8	1.30	900		
48s --	S13	L13	Diesel	100	75.2	14.8	1.30	900	Nos 32 to 37 Ex SRA 48 class locomotive	
442s -	S8	L11	Diesel	115	115	18.7	1.80	2000	Ex SRA 442 class locomotive – Nos 1 to 6	
80s	S6	L9	Diesel	115	121	19.0	1.80	2000	Ex Pacific National 80 class	
Cs	S3	L8	Diesel	115	134	20.6	1.80	3000	Ex Pacific National C class	
D	S6	L11	Diesel Electric (Ex Westrail BHP K class)	100	122	17.6	1.80	1950	These locomotives can only operate in multiple units with each other. They are not compatible with other classes of locomotives.	
K	S9	L11	Diesel	110	110	17.6	1.80	1950	Ex Westrail K class. These locos can only operate in multiple with each other and the D class already listed under South Spur. The D and K class are not compatible with any other classes of locomotives.	
RL	S5	L4	Diesel	115	132	20.0	1.80	3800	No 301-310. These locos can operate under the same conditions in relation to line speeds as any other S5 loco eg 81,82,ALF,BL,CLF,CLP,G,GL & XR.	

South Spur Rail Services – Freight Rolling Stock

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Steel Product Wagons								
SKNF	Bulk steel	C	76	31	25.9	1.30	B3	

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Open Wagons								
SBAX	Open (ex WBAX)	C	76 80	25	18.0	1.30	B3	a
SOAX	Open (ex WOAX)	C	76 80	25	18.0	1.30	B3	a
SOCY	Open (ex NOCY/ROCY)	A	78 80	28	20.1	1.80	B3	a
SOGF	Open (ex AOGF/L) #	C	63	18.2	14.0	0.90	B1	
<i>These vehicles are not fitted with grade control valves or fixed exhaust chokes. Restrictions apply if operating on the Main West. Refer to Railcorp and CRN operating requirements on this line. If operating LOADED from Werris Creek to Murrurundi, Murrurundi to Werris Creek these vehicles must not exceed 50% of the train mass. If operating EMPTY no restrictions apply.</i>								

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Hopper Wagons								
SHQA	Hopper (ex NHLF)	D	62	19	11.9	0.75	B2	

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
Container Wagons								
NDQF	Containers (Ex NDXF)	C	74	19.0	14.1	0.75	B2	
NQAF	Containers (Ex NLJF)	C	74	18.4	14.6	0.75	B2	
SQBF	Container flat (ex RKBX/ROBX)	C	76 80	20.0	14.9	1.30	B1	a
SQGF	Containers (ex AOGF)	C	76	17	13.97	0.90	B1	s
SQKF	Container flat (ex RKQX)	C	76 80	18.2	18.0	0.90	B3	a
SQLY	Containers (ex AFSY,RFSY)	B	76 80	22	17.9	1.30	B1	s a,s
SQMY	Containers (ex RQOY) (Mass reduced SQOY).	B	76 80	22.2	23.7	1.30	B3	a
SQNY	Containers (ex AFCY)	B	76	19	15.2	1.30	B2	s
SQOY	Containers (ex RQOY).	B	76 80	24	23.7	1.30	B3	a
SQVF		C	76 80	25.0	23.2	0.90	B2	a
SQVX		C	76 80	25.0	23.2	0.90	B2	a

Southern Shorthaul Rail – Freight Rolling Stock

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
BQAY	Skeletal 40' container wagon (2 x TEU)	C	76	16.0	13.1	2.25	B4	o,s

Specialised Container Transport – Locomotives

CODE	CATEGORY		DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	LIVE WEIGHT (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	POWER (HP)	REMARKS	General Notes
	SPEED	LOAD								
G	S5	L4	Diesel	115	128	19.8	1.80	3000		
SCT	S5	L2#	Diesel	115	134	22.0	2.20	4500	Nos 001 to 015	
#Note	1		Load category on ARTC leased network can exceed L2 – up to 1.5 times L2 subject to operator's concurrence and achievement of section run times.							

Specialised Container Transport - Passenger Rolling Stock

CODE	DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	MAX LOADED MASS (tonne)	PASSENGER CAPACITY	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	REMARKS
PDAY	Accommodation	115	44.9	--	23.9	1.40	Ex 250 series Bluebird Rail Car

Specialised Container Transport - Freight Rolling Stock

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
ABSY	Box van	A	76	30	23.7	1.6	B3	
			80					a
			84					r
ARBY	Freezer van See NOTE ## below	A	76	30	23.7	1.6	B3	
			84					r
			92					
ARFY	Freezer van See NOTE ## below	A	76	30	23.7	1.6	B3	
			84					r
			92					
PBGY	Box wagon	A	76	27.1	23.5	1.8	B4	
			80					p
			84					r
			92					b
PBHY	Box wagon (high cube) See NOTE # below	A	76	29	22.6	2.8	B4	
			80					
			84					Note 1
			92					Note 2
PQDY	Container flat wagon	A	76	24	25.7	1.8	B3	
			80					p
			84					r
			92					b
PQCY	Containers	A	76	24	20.1	1.80	B1	
			84					s
			92					c,s
			92					b,s
PQFY	Tank containers	A	76	24	20.1	2.2	B3	
			84					r,s
			92					b,s
			92					
PQIY	Containers	A	76	10.2	25.5	2.8	B4	
			80					p
			84					r
			92					b
PQMY	Containers	A	76	22	20.1	1.3	B3	
			84					r,s
			92					b,s
			92					
PQTY	Timber	A	76	22	20.1	1.3	B3	
			84					r,s
			92					b,s
PWWY	Stand alone well wagon	A	76	23	21.5	2.2	B4	
			84					o
			92					r,o
VQCY	Container flat	A	76	20	20.1	1.3	B1	
			80					s
			80					a,s
VQDW	Container flat	C	76	23	25.7	1.3	B1	

- Notes**
- # PBHY overall height is 5.6 metres - can only operate west of Parkes/Goobang
 - ## These vehicles may only operate on routes applicable to Diagram 3, LOADING RESTRICTION SECTION
 - 1 These vehicles may operate when loaded up to 84 tonne gross or 21 tonne per axle to a maximum speed of 115 km/h between Parkes/Goobang and Broken Hill only.
 - 2 These vehicles must operate between Parkes - Broken Hill only when loaded to 92 tonne (for 4 axles) gross or 23 tonne per axle at a maximum speed of 80 km/h. Wheel tread hollowing not to exceed 2 mm.

State Rail Authority Special Purpose Rolling Stock

CODE	DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	MAX LOADED MASS (tonne)	PASSENGER CAPACITY	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	REMARKS
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AAH	Commiss Car	115	46	5 Berths	23.4	0.50	No 9
AAH	Officers Car	115	46	6 Berths	22.7	0.50	No 8% End protection fitted. Wooden car
AAH	Officers Car	115	46	6 Berths	22.7	0.50	No 7% End protection fitted. Wooden car
AAH	Officers Car	115	46	4 Berths	22.7	0.50	No 19% End protection fitted. Wooden car
GG	Gov Gen Car	115	44	6 Berths	22.6	0.20	Wooden body. Restricted service
PAM	Premier Car	115	46	6 Berths	22.7	0.30	No 11 Wooden body. Restricted service
SG	State Gov Car	115	52	4 Berths	21.4	0.30	Wooden body. Restricted service

% Denotes wooden bodied vehicles fitted with end protection steel beams.

State Rail Authority Special Purpose – 110 tonne Accident crane

CODE	DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	MAX LOADED MASS (tonne)	CAPACITY	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	REMARKS
RC110-5	110 tonne Accident crane	115	118.67	N/A	11.2	1.80	To operate in conjunction with match truck NKDY 3000M
NDKY	110 tonne crane match truck	115	96	N/A	14.8	1.80	
MHN	Equipment van	115	46	24 tonnes	23.4	0.50	No 2364
NAM	Crew Accom.	115	46	20 berths	23.4	0.50	No 2332
PHN	Power Van	115	52	6 tonne	23.4	0.50	No 2363

T.N.T. – Freight Rolling Stock

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
TQCY	Container flat	A	76 80	20.0	20.1	1.30	B1	s s,a
TRAY	5 pack Cartainer. (12 axles) <i>The operation of these vehicles is limited to Class 1, 1C or 1XC lines, while loaded to 228 tonnes (19 tonne axleload) This vehicle may only operate on routes applicable to Diagram 3, LOADING RESTRICTION SECTION, page 7.</i>	A	228	55.0	84.8	1.80	B4	u

Tank Wagons - Miscellaneous – Freight Rolling Stock

CODE	DESCRIPTION – OWNER –	VEHICLE NUMBERS	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
NTAF	Ampol / Caltex Oil tankers See following table for wagons over 76 t	3129 – 4727	C	76 80	26	14.94	0.90	B1	k a

CODE	ROAD NUMBER	MAX GROSS (as stencilled)	TARE (tonne)	LENGTH (metre)
NTAF	3332	77.2	26.0	18.6
NTAF	3363	76.9	26.6	15.6
NTAF	4066	79.8	28.5	15.0
NTAF	4537	79.3	28.4	17.6
NTAF	4538	79.8	28.9	17.7
NTAF	4539	80.0	29.6	17.6
NTAF	4540	80.0	29.7	17.7

NTBF	Ampol / Caltex Heavy Oil tankers	3275 - 4721	C	76	25	14.9	0.75	B1	j, k
NTBF	BHP Bitumen		C	76	28.8	14.6	0.75	B1	j,k
NTBF	BHP Bitumen		C	76	28.8	14.6	0.75	B1	k
NTCF	BHP Acid tankers		C	82.7	24	14.6	0.75	B1	
NTBF	Boral Bitumen	6637 – 6696	C	76	27	15.2	0.75	B1	j,k
NTHF	Boral Gas Tank wagons <i>Fitted with 6 wheel bogies, maximum permissible gross mass 111 tonnes and length 23.3m, are permitted to run on the following routes Woodville Jct - Brisbane, Islington Junction - Port Waratah, Woodville Jct - Werris Creek, Macarthur - Albury, Parkes - Broken Hill Maximum permissible speed is subject to lower speed restrictions and other conditions as prescribed herein and Local Appendices. Not permitted to travel on running lines laid with lighter than 40 kg/m rail or on sidings laid with lighter than 35 kg/m rail. On sidings with 35 kg /m rail maximum speed restricted to 15 km/h. Not to be unloaded in sidings used by the public or sidings adjacent to buildings or vehicles.</i>	6410 and 6411	C	111	56	23.3	0.75	B1	
NTAF	BP Oil tankers	7217 - 7317	C	76	25	14.0	0.90	B1	k
NTHX	Chemtrans Gas tankers	3480 – 3481	C	76	35	15.6	0.75	B2	k
NTBF	Emoleum Bitumen	3433 – 3436	C	76	26	13.7	0.75	B1	j,k
RTGX	Incitec Gas Tanker	008	C	76	35	18.0	0.75	B1	
VTGX	Incitec Gas Tanker	007,008	C	76	34	16.5	0.75	B1	
NTBX	Koppers Bitumen	3501 – 3517	C	76	27	16.1	0.75	B1	k
NTHF	McWilliams Wine tankers	3451 – 3461	C	76	23	14.6	0.75	B1	k
NTAF	Mobil Oil tankers	5020 – 7138	C	76	25	13.7	0.90	B1	k
NTBF	Mobil Heavy Oil tankers	5430	C	76	19	8.23	0.75	B1	j, k
NTAF	Shell Oil tankers	6015 – 8135	C	76	25	16.5	0.90	B1	k
NTBF	Shell Heavy Oil tankers	6041 – 6117	C	76	26	16.5	0.75	B1	j, k

Toll – Freight Rolling Stock

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
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TQCY	Container flat	C	76	20.0	20.1	1.30	B1	a
			80					

Vline – Locomotives

CODE	CATEGORY		DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	LIVE WEIGHT (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	POWER (HP)	REMARKS	General Notes
	SPEED	LOAD								
N	S5	L9	Diesel	115	128	20.0	2.20	2000	Operation between Wodonga & Albury only 10% rule applies when mixing this loco with any other type.	

Vline - Passenger Rolling Stock

CODE	DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	MAX LOADED MASS (tonne)	PASSENGER CAPACITY	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	REMARKS
ACN	1 st class coach	115	48.6	52 seats + 8 standees	22.8	2.20	Operation between Wodonga & Albury only
BDN	Economy coach	115	49.2	76	22.8	2.20	Operation between Wodonga & Albury only
BN	Economy coach	115	51.3	88 seats + 8 standees	22.8	2.20	Operation between Wodonga & Albury only
BRN	Economy buffet coach	115	50.2	66 seats + 8 standees	22.8	2.20	Operation between Wodonga & Albury only
PCJ	Power Van	115	71.7	Nil	23.9	2.20	Operation between Wodonga & Albury only

West Coast Railway – Locomotives

CODE	CATEGORY		DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	LIVE WEIGHT (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	POWER (HP)	REMARKS	General Notes
	SPEED	LOAD								
B80	S6	L12	Diesel	115	123	17.8	0.90	2000		

Whitehaven Coal Ltd – Locomotives

CODE	CATEGORY		DESCRIPTION OF VEHICLE	MAX SPEED (km/h)	LIVE WEIGHT (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	POWER (HP)	REMARKS	General Notes
	SPEED	LOAD								
WH	S5	L2# #	Diesel	115	134	22.0	2.20	4500	ECP brake capability Load category on ARTC leased network can exceed L2 – up to 1.4 times L2 subject to operator's concurrence and achievement of section run times..	

Whitehaven Coal Ltd – Freight Rolling Stock

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1	
PHWH	*2 permanently coupled coal wagons	G	120	21.3	*30.8	2.45	ECP		
		B	Empty						
		C	100						
#	For operation between Narrabri and Dartbrook Junction the following applies:								
	1. PHWH individual wagon load is 100 t gross allowing for 2% tolerance – maximum load 102 t as measured by certified weighing system.								
	2. Wagon to be uniformly loaded with maximum individual single end weight on a bogie 55 t – if the maximum on one end of the wagon is 55 t then the other end of the wagon is to be less than 45 t to be inside of the 100 t in 1 above.								
	3. Maximum wagon speed loaded at 100 t gross is 80 km/h.								
	4. Maximum speed over bridge at 416.270 km (near GAP) is 60 km per hour when the PHWH wagons are loaded at 100 t gross as above.								
	5. Maximum wagon speed empty - as per TOC for class of wagon.								
	6. Use of documented procedures for loading to ensure compliance with above for wagon loading.								
	7. Prior to each move confirmation from PNL that each loaded train complies with the above.								

Xstrata Rail (NSW) Ltd – Freight Rolling Stock

CODE	DESCRIPTION	CLASS	MAX GROSS MASS (tonne)	TARE (tonne)	COUPLED LENGTH (m)	DRAW CAPACITY (MN)	BRAKE TYPE	NOTES See page 1
PHEH	*4 permanently coupled coal wagons	G	120	21.9	*61.5	2.45	ECP	
		B	Empty					
PHYH	*4 permanently coupled coal wagons	G	120	21.9	*61.5	2.45	ECP	
		B	Empty					