

# Route Access Condition Notice

## 18-00015

<b>Distributed To:</b>	ARTC Website
<b>Distribution Date:</b>	16/04/18
<b>Requested By:</b>	ARTC
<b>Subject:</b>	Additional wording to allow application of variation to axle spacing's.
<b>Effective Period:</b>	Until Published
<b>Amendment Type:</b>	Permanent (to be added to RAS)

*Note: Permanent Route Access Condition Notices (RACN) are periodically updated in the ARTC Route Access Standard (RAS), at which time the relevant RACN is withdrawn.*

<b><u>RAS Reference:</u></b>		
<b>Section:</b>	2.5.2 / 2.5.3 General Information	<b>Version No.:</b> 1.7 <b>Page/s:</b> 27/28
<b><u>ARTC Network Location:</u></b>		
<b>s &amp; Kms:</b>	All	

**Details:**      Wording added as per below:

Table 2.5.2 Locomotive Configuration – Bridge Interface Minimum Axle Spacing for Specified Axle Load

INFRASTRUCTURE LIMITS EQUIVALENT TO METRIC COOPER M RATING DESIGN LOAD (REFER FIG 2.5.1)	LOCOMOTIVE MAXIMUM INDIVIDUAL AXLE LOAD (TONNES)	LOCOMOTIVE MAXIMUM OVERALL MASS (TONNES)	LOCOMOTIVE CONFIGURATION - DISTANCE BETWEEN AXLES (MM)							OVERALL LENGTH OF LOCOMOTIVE
			A	B	C	D	E	F	G	
RAS 270 (M270)	29.5	177	1800	1800	1800	8200	1800	1800	1800	19000
RAS 210 (M210)	23.0	138	1800	1800	1800	8000	1800	1800	1800	18800
RAS 180 (M180)	20.3	123	2300	1700	1700	7240	1700	1700	2300	18640

Notes:

- Any locomotive's Load Effects on any bridge span must not exceed applicable RAS 270 / RAS 210 / RAS 180 Infrastructure Limit.
- Where a Locomotive is designed with another axle configuration or load, the axle spacing / load must be adjusted accordingly to comply to the above RAS 270 / 210 / 180 Loading.
- For any locomotive configurations outside the above, refer to ARTC.
- Variations to the above table can be applied for and sent to ARTC for review

Table 2.5.3 – Wagon Configuration – Bridge Interface Minimum Allowable Axle Spacings for Wagon configurations

INFRASTRUCTURE LIMITS EQUIVALENT TO METRIC COOPER M RATING DESIGN LOAD (REFER FIG 2.5.1)	WAGON MAXIMUM INDIVIDUAL AXLE LOAD (TONNES)	WAGON CONFIGURATION - DISTANCE BETWEEN AXLES (MM)					OVERALL LENGTH (SUM OF INDIVIDUAL SPACING)
		A	B	C	D	E	
RAS 270 (M270)	30	825	1780	10490	1780	825	15700
RAS 210 (M210)	25	1050	1720	8400	1720	1050	13940
RAS 210 (M210)	23	980	1720	6150	1720	980	11550
RAS 180 (M180)	20	1040	1720	8000	1720	1040	13520

Note:

1. Any Wagon Load Effects on any bridge span must not exceed applicable RAS 270 / RAS 210 / RAS 180 Loading.
2. Where a Wagon is designed with another axle configuration or load, the axle spacing / load must be adjusted accordingly to comply to the above RAS 270 / 210 / 180 Loading.
3. For any Wagon configurations outside the above, refer to ARTC.
4. Variations to the above table can be applied for and sent to ARTC for review

Issued By: *Richard Potts*  
 Australian Rail Track Corporation

Approved By: Minor - Manager Standards