

NEW EQUIPMENT AND SYSTEM APPROVAL CERTIFICATE

Certificate No. NESA-T104

Approval date 02/11/2017

Approved by Review Panel

Report no. 17/34965

This certificate is issued to

Supplier Rhomberg Rail Australia Pty Ltd
9 Mcllwraith Street
Wetherill Park NSW 2164

In respect of

Manufacturer Rhomberg Rail Australia Pty Ltd
9 Mcllwraith Street
Wetherill Park NSW 2164

Product description IVES Ballastless Track Slab System
V-TRAS Transition module

Item identification

Application 'IVES Ballastless Track Slab System' and 'V-TRAS Transition module' is to be type approved to be installed at following location:

- Site: Weighbridge at Branxton (~215.800km)

Relevant Standards

Conditions of Approval

Supplier:

1. All relevant Rail Safety and WHS requirement must be complied with.
2. Recommendation made from Lindsay Dynan's independent Engineering Review should be complied with.
3. Provide technical support on installation and maintenance if required.
4. Supplier to provide 1 & 2 year performance report.

ARTC Project Manager:

1. All relevant Rail Safety and WHS requirement must be complied with.
2. IVES and V-TRAS to be install jointly for this project.
3. All drawings to meet ARTC requirements in EGP-04-01 Engineering Drawings and Documentation.
4. Installation as per manufacturer's instructions.

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5. Recommendation made from Lindsay Dynan's independent Engineering Review should be complied with.
6. Treatment required by risk assessment shall be implemented and completed in the timeframe as per risk assessment report.
7. Ensure formal handover and sign off to ARTC Area Manager. The handover to include all relevant quality records, maintenance guide and MST.

ARTC Area Manager:

1. All relevant Rail Safety and WHS requirement must be complied with.
2. Maintenance as per manufacturer's instructions.
3. Formal acceptance of infrastructure.

A general condition of approval is that the supplier remains accredited to ISO 9001 specifically for these products and ARTC is advised on a 12 monthly basis that accreditation is current. ARTC reserves the right to conduct its own audit of the manufacture and supply of these components to AS 19011.

Any subsequent change to the design, materials or manufacturing process is not covered by this approval. The manufacturer should notify ARTC of any modification or changes in order to obtain a valid certificate.

Note/Comments

Issue date 02/11/2017

Expiry date 2 years after installation

Issued by



John Furness

ARTC Manager Standards

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Supporting Document:

Product description:

1. IVES System description
2. VTRAS Description

Independent Review (tests and standards compliance included):

3. ARTC Weighbridge IVES/V-TRAS System Independent Engineering Review

Risk Assessment:

4. Risk Assessment Report
- 4.a Risk Assessment form

Manuals:

IVES:

5. IVES_11-10.001_Install Manual Sheet
6. IVES Repairing concept_Rev0
7. Vossloh DFF304 Installation Manual
8. Manual DFF 304 RTE_EN_2016-05_draft

VTRAS:

9. V-TRAS_1-12 001_Install_Method_10 EN_20170419-01
10. V-TRAS_1-12 001_Maintenance EN_20170419-01

Quality Assurance:

11. ISO Certificate Rh Rail Australia EN

Others:

12. Noise Impact Analysis Branxton
13. LD-RTS-01 - Safety in Design Report
14. SharePoint Consultation
15. Review Panel Sign off
16. Supplier's acceptance

Drawings:

Drawing	Rev	Title
Sheet 1	C	BRANXTON IVES BLOCKS [SCI]
Sheet 2	C	BRANXTON IVES BLOCKS [SCI]
Sheet 3	B	BRANXTON IVES BLOCKS [SCI]
10292-IVES SLAB-01	0	BRANXTON IVES SLABS [SCI]
BNX-B0006	A	BRANXTON - MAIN NORTH 215.700 TO 216.050km TRACK RECONDITIONING FOR WEIGHBRIDGE HORIZONTAL ALIGNMENT & SETTING OUT DETAILS
BNX-B0007	A	BRANXTON - MAIN NORTH 215.700 TO 216.050km TRACK RECONDITIONING FOR WEIGHBRIDGE VERTICAL ALIGNMENT - UP MAIN

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BNX-B0008	A	BRANXTON - MAIN NORTH 215.700 TO 216.050km TRACK RECONDITIONING FOR WEIGHBRIDGE VERTICAL ALIGNMENT - DOWN MAIN
BNX-B0009	A	BRANXTON - MAIN NORTH 215.700 TO 216.050km TRACK RECONDITIONING FOR WEIGHBRIDGE SCOPE OF WORKS
BNX-B0010	A	BRANXTON - MAIN NORTH 215.700 TO 216.050km TRACK RECONDITIONING FOR WEIGHBRIDGE CROSS SECTIONS - 215.750km TO 215.880km
BNX-B0011	A	BRANXTON - MAIN NORTH 215.700 TO 216.050km TRACK RECONDITIONING FOR WEIGHBRIDGE CROSS SECTIONS - 215.900km TO 215.970km
BNX-B0012	A	BRANXTON - MAIN NORTH 215.700 TO 216.050km TRACK RECONDITIONING FOR WEIGHBRIDGE GENERAL ARRANGEMENT
BNX-B0017	A	BRANXTON - MAIN NORTH 215.700 TO 216.970km STAGE 2 FINAL TRACK LAYOUT SETTING OUT DETAILS
BNX-B0016	1	BRANXTON - MAIN NORTH 215.700 TO 216.970km STAGE 1, BALLAST TRACK LAYOUT SETTING OUT DETAILS
		BRANXTON - MAIN NORTH 215.700 TO 216.050km TRACK RECONDITIONING FOR WEIGHBRIDGE