



AUSTRALIAN RAIL TRACK CORPORATION

Certificate No.: **S-03-10-108**

NEW EQUIPMENT & SYSTEM APPROVAL CERTIFICATE

Approval date: 11 October 2010

Approved by: ARTC Risk & Safety Committee

Report no.: TAS 03-1008-IR108

Report date: 27 September 2010

This certificate is issued to:

Supplier: **Invensys Rail Pty Ltd**

In respect of:

Manufacturer: Invensys Rail Pty Ltd
179-185 Normanby Rd
South Melbourne
Victoria 3205

Product description: **WESTRACE PROTOCOL CONVERTOR CNA1000**

Item identification: See approved item list for certificate S-03-10-108

Application: Protocol Convertor for Westrace to Phoenix

Relevant Standards: SPS 02 Environmental Conditions

Conditions of Approval:

1. For use in accordance with manufacturer's User Guide and data sheet.
2. For use to interface Westrace to Phoenix Genisys.
3. Invensys Rail to provide details of System Test results including system communications latency.
4. Invensys Rail to verify during design that the system meets communications latency requirements for the SSFL configuration of the protocol converter.
5. Invensys Rail to provide ITF (inspection & Test Form) for testing records for the SSFL commissioning work package for the protocol converter.
6. Only components from the list in **Approved Item List** may be utilised.
7. Invensys Rail to include all system configuration details of the protocol converter in the signalling circuit book.

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.

Issue date: 30/11/2010

Expiry date:

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Issued by:

John Furness
ARTC Manager Standards

NEW EQUIPMENT & SYSTEM APPROVAL - APPROVED ITEM LIST

Reference no.: TAS 03-1008-IR108
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The following lists the individual items (by catalogue number) are approved for use on ARTC infrastructure under the above referenced New Equipment & System Approval Certificate number, subject to any conditions shown on that Certificate and the Conditions of Use shown against individual items.

| Catalogue No. | Item Type | Description | Conditions of Use |
|---------------|-----------------------------------|--|-----------------------|
| CNA1000 | Communications Network Adaptor | Westrace to Genisys Protocol Convertor | Firmware version 2.02 |

*** New part number being introduced by Invensys Rail.**