



## AUSTRALIAN RAIL TRACK CORPORATION

### STANDARDS & SYSTEMS

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#### **Engineering Standards and Documents**

The following recommendation, together with attached supporting documentation, has been considered by the Manager Standards & Systems on 11<sup>th</sup> April 2008.

#### *Documents:*

Ref No:	<b>08-08-10-091</b> - Systems & Equipment Approval
Subject:	'SAFETRAN' updated GCP4000 development system software (DT)
Dated:	18 <sup>th</sup> March 2008.

Prepared By: Arthur Haberlin, Signal Engineer - Equipment

Endorsed by: Trevor Moore, Signal Standards Engineer

#### *Items Considered for Approval:*

Manufacturer:	SAFETRAN Systems (Invensys).
Product:	GEO and GCP4000 development system software.(GCS and DT)
Item Identification:	See list Ref. No: <b>09-0803-069a</b>

The items in the form they were presented at the review date were approved for System & Equipment Approval to be used on all ARTC jurisdictions in accordance with the manufacturers published performance criteria and subject to the following.

#### *Relevant ARTC Specifications:*

Ref. No.	Title	Status	Date
SPS 02	Environmental Conditions	Issue 1 Revision 2	March '05
SCP 17	Computer-Based Interlocking Requirements	Issue 1 Revision 3	October '05

### ***Specific Conditions of Approval:***

- i. Office version of the GCS or DT software must be loaded and used only on a desktop PC with data transfer by removable storage media only to a portable (laptop) PC which may be connected to not more than a single GEO or GCP4000 equipment.
- ii. Only the latest approved version of this software may be utilised for preparation of site data for new works. Type approval for earlier versions of the software remain valid for maintenance use with installations carried out using equipment approved under the relevant ARTC Systems & Equipment acceptance certificate however the latest version of DT software is capable of maintenance use at existing GCP 4000 installations having modules with earlier software versions installed.
- iii. When the software or site data in any module at a site is updated, the software and all site data for every module at the site (included in the same circuit book) shall be re-compiled using the same version of the GCS or DT software as that used for the data for the updated module. The re-compiled files shall be compared with the existing files and any discrepancies shall be identified and explained to the satisfaction of the commissioning engineer.
- iv. Only components from list **09-0803-069a** may be utilised.


### ***Certificate Issued to:***

Westinghouse Rail Systems  
Australia.  
179-185 Normanby Road  
South Melbourne  
Victoria 3205

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 19011:2003.

Any subsequent change to the design, materials or manufacturing process is not covered by this approval.

Approved for use in the ARTC.

  
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John Furness

**APPROVAL No: 08-08-10-091**

Manager Standards

Approval Date: **11th April 2008**

**This certificate Supersedes Supplements Suspends prior approval number 08-08-10-067 which will be retained on file for record purposes.**



**AUSTRALIAN RAIL TRACK CORPORATION LTD**

**Ref No: 09-0803-069a**

**Date: 18<sup>th</sup> March 2008**

**Equipment Type Approval**

**Subject: ‘SAFETRAN’ development system software (DT) upgrade**

The following lists the individual types (by catalogue number) of development system “Diagnostic Terminal (DT)” and “GEO Configuration Suite (GCS)” software manufactured by SAFETRAN which are type approved for use in signalling circuits on ARTC infrastructure under Type Approval Certificate **08-08-10-091** subject only to any conditions shown on that Certificate and the Conditions of Use shown against individual types.

<b>Catalogue No.</b>	<b>Version No.</b>	<b>Item Type</b>	<b>Conditions of Use</b>
Diagnostic Terminal			For GCP4000 and GEO equipment.
9V774-A01V	4.3.2 ¶	Maintenance software DT.	CD for laptop PC, w/o UCN generator.
9V774-A01W	4.6.0 §		
9V774-A01Y	4.7.5		
9V874-A01E	4.3.2 ¶	Office software DTUCN.	CD for PC, includes UCN generator.
9V874-A01F	4.6.0 §		
9V874-A01H	4.7.5		
GEO Configuration Suite			For GEO equipment.
9V887-A01J	2.3.0	Testing GCS version.	CD for laptop PC, w/o UCN generator.
9V888-A01J		Office GCS version	♣ CD for PC, includes UCN generator.
9V889-A01J		With GOL complier	♣ For manufacturer’s use only.
9V885-A01Y	GOL F028	Object library	
9V701-A01W	n/a	Auxiliary files	

- ¶ Approved for maintenance of equipment commissioned before 13<sup>th</sup> February 2007.
- § Approved for maintenance of equipment commissioned before 5<sup>th</sup> May 2008.
- ♣: Generated files are transferred to field devices using removable media.