

Certificate No. S-03-1422-158

Approval date 28 January 2015
Approved by Review Panel
Report no. TAS-03-1411-SI158
Report date 9 September 2014

This certificate is issued to

Supplier Siemens

In respect of

Manufacturer Siemens
380 Docklands Drive
Docklands VIC 3008

Product description Control System Gateway 'CSG'

Item identification See approved item list

Application Protocol Conversion and Panel Processor

Relevant Standards SPS02 Environmental Conditions
SPS05 Electrical & Electronic Components (Ratings & Construction Requirements)

Conditions of Approval

1. For use in accordance with manufacturer's User Guide
2. For use to interface WESTLOCK CBI equipment requiring protocol conversion to communicate with the ARTC Control Centre NCCS
3. SIEMENS to provide ITF (Inspection & Test Form) for testing records for the Enfield commissioning work package for the Control System Gateway (CSG)
4. Plug-n-Play shall not be used in set up of the configuration parameters for the CSG
5. The configuration parameters for the CSG shall be documented and issued to ARTC on completion of the commissioning
6. The system data for the specific use of the CSG shall be recorded in a sheet within the Circuit Book
7. Only the approved drivers to be used (refer to item approval list)
8. The configuration settings to be saved as a reloadable file and managed under ARTC Configuration Management procedure

NEW EQUIPMENT AND SYSTEM APPROVAL CERTIFICATE

9. The supplier SIEMENS remains accredited to ISO9001.

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 29 January 2015 **Expiry date** N/A

Issued by John Furness 
ARTC Manager Standards

Approved Item List

The following lists the individual items 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.

Hardware:

Item	QTY	WRS� Part Number	Description
2U CPCI Chassis	1	611650102	2U (h) CPCI chassis with 4 slot CPCI backplane, 2 x 200W pluggable PSU's
Power Supply Unit	2	615990217	200W pluggable AC/DC PSU
Processor Card	1	610601107	Processor Card, Compact PCI, 1.6GHz Pentium M, 1024MB DRAM, quad Ethernet
Rear Transition Module	1	615380517	Transition Module with DVI-I connector plus 1.8" Hard Disk Drive
PMC Carrier Card	1	612530838	Enhanced CPCI Dual PMC Carrier Card
RS422 Serial Card	1	615380518	16 channel RS422 Serial Card
TC-2 Rear Transition Module	1	612530763	PCC CPCI Serial Rear Transition Module
Rack Mounted KVM unit	1	618511110	A KVM switch with integral (maintenance purposes only – fold away) keyboard, trackball and monitor

Software:

Title	Filename(s)	Version	Purpose
Westcad Lite	WESTCADLE.exe	1.0	Main executive
Mimic Basic Graphics	Mimic.dll	4.4.6	Provides communications between all other components. Provides some system logic processing. Provides graphical display

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Westlock Panel Processor	WestlockPanelProcessor.exe	1.1.0	Provides panel processing
PMUX Driver	PMUX.exe	1.3.4	Provides 1921A serial interface
Network Driver	NetworkDriver.exe WCLib.dll	2.2.1 2.0.7	Provides network interface to TW
WESTRACE Algorithm Driver	WA.exe	1.7	Provides ladder logic processing
Cadlock Driver	CadlockDriver.exe	2.8	Provides WESTLOCK CIP interface
Task Monitor	TaskMonitor.exe	1.0.1	Provides task monitoring function
Event Logger	NTLogger.exe	1.4.0	Provides event logging
KBHook	KBHook.exe KBHookLib.dll	1.0.0.1	Provides suppression of certain keyboard items
BR1922 Driver	BR1922.exe	1.04	Enable Train Descriptor (BR1922) data interface
IECC Driver	IECC.exe	1.1	Enables 17503 (IECC) data interface
Checksum	Checksum.exe	2.1	Data integrity check
Checksum	ChecksumData.bat	1.0	Run commands for Checksum
Checksum	ChecksumSW.bat	1.0	Run commands for Checksum