

Certificate No. S-01-1405-165

Approval date 28 January 2015
Approved by Review Panel
Report no. TAR-01-1405-SI165
Report date 2 December 2014

This certificate is issued to

Supplier Siemens

In respect of

Manufacturer Siemens
 380 Docklands Drive
 Docklands VIC 3008

Product description Westlock Computer Based Interlocking

Item identification See approved item list

Application Control of interlockings

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

SDS25 Signalling Circuit Design Standards

Conditions of Approval

1. For use in accordance with ARTC specifications SPS05, SDS25 and standard typical circuits only
2. Only components from approved items list to be utilised
3. Any new version changes shall require ARTC approval prior to use
4. Circuit and data design must ensure a healthy communications link status is proved against **all** down proved contacts before outputs can be driven
5. Type Approved 24Vdc power supplies (-15% to +10%) must be used
6. SIEMENS will document a Design Guide for the Westlock system data design (including typical data structures for ARTC network requirements) which is consistent with existing ARTC standards and practices. The document will be finalised and submitted to ARTC upon commissioning of the first implementation of the WESTLOCK system

NEW EQUIPMENT AND SYSTEM APPROVAL CERTIFICATE

7. SIEMENS will document a Design Guide for the WESTLOCK circuit design (including typical circuits for ARTC network requirements) which is consistent with existing ARTC standards and practices. The document will be finalised and submitted to ARTC upon commissioning of the Westlock system
8. No other works incorporating WESTLOCK shall commence prior to the completion of the design guidelines for data and circuits
9. Any individual working with or designing a WESTLOCK system must complete the respective training course and have this documented in their SOC.

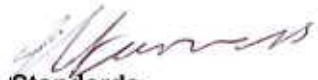
A general condition of approval is that the supplier remains accredited to ISO 9001 specifically for these products and ARTC is advised on a 12 monthly basis that accreditation is current. ARTC reserves the right to conduct its own audit of the manufacture and supply of these components to AS 19011.

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.

Part #	Function	Description	Version
-	CIP	Central Interlocking Processor	-
E25635/1	MP	Main Processor Module	A
C50587/1	MP baseplate	Main Processor Baseplate	-
E25636/1	CM	Communications Module	A
C50578/1	CM baseplate	Communications module Baseplate	-
E25638/1	DI	Direct Input Module	A
C50584/1	DI baseplate	Direct Input Module baseplate	-
E25637/1	SCM	SSI Communications Module	B
C50588/1	SCM baseplate	SSI Communications Module baseplate	-
-	CSG	Control Systems Gateway	-
-	TIF	Trackside Interface	-
E19043/1 (SPEC 130333)	PM	SSI Points Module	U
E19042/1 (SPEC 130325)	SM	SSI Signal Module	W
E19010/1 (SPEC 130323)	DLM	Data Link Module	D
-	TW	Technician's Workstation	-
SL68/G	Surge Arrestor	Novaris SL Signal Line Protection	-

