

Manufacturer:
SELLA Controls

Issue : 1
Valid From : 20-10-2017

TRACKLINK[®] SCADA

Product Description

TRACKLINK[®] SCADA is a Supervisory Control and Data Acquisition (SCADA) system which can be deployed for alarm monitoring and indication across the railway infrastructure. It can be used as a central system to gather alarm data from equipment installed at remote locations

TRACKLINK[®] SCADA has been specifically developed for SCADA applications, with a toolset developed using standard, commercially available software. This approach provides a flexible solution which facilitates on-going support and future expansion by the manufacturer as well as competent and licensed system integrators.

Product Image



Scope of Acceptance

Full Acceptance:

This certificate authorises the use of **TRACKLINK[®] SCADA** for alarm monitoring and indication functions associated with Level Crossings, Signalling Supply Points and other remotely located signalling-related assets **only**.

It shall interface to both new and legacy remote terminal units (RTUs) in operation on the railway using both serial and IP-based protocols.

Further testing will be required before **TRACKLINK[®] SCADA** can be deployed for control of traction power across the electrical power network.

Network Rail Acceptance Panel (NRAP) hereby authorises the product above for use and trial use on railway infrastructure for which Network Rail is the Infrastructure Manager under the ROGS regulations.

Reviewed by:

Authorised by:



Tom Riley
Product Acceptance Coordinator



Nigel Edwards
Professional Head of Power Distribution (HV/LV)

Certificate of Acceptance

PA05/06720

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Specific Conditions

The following Conditions are specific to the approved product/s contained within this Certificate. These conditions must be adhered to in addition to the Network Rail General Conditions contained within the "General Terms and Conditions" section.

Failure to adhere to these conditions may result in the withdrawal or suspension of Acceptance of some, or all of the items contained within the accepted configuration.

Manufacturer

1) For alarm monitoring and indication functions **only**.

User

1) For alarm monitoring and indication functions **only**.

Product Configuration

Hardware (Maintenance Spares and Line Replaceable Units)

Part No.	Description	Catalogue No.
P1G65EA#ABU	HP 800G2EOT (Touchscreen Workstation)	0055/162712
3043 i7	Amplicon 3U Impact-R (server Raid 1)	0055/162713
3093013000044	Moxa Nport 6650-32 Series 32 port RS232 to Ethernet Convertor	0055/162714
RKCONS1901GB	DuraView 19" Folding LCD Administrator Console	0055/162715
JG920A	HP Ethernet Switch Model HPE 1920-8G	0055/162716

Software

Part No.	Description	Version No.
-	Panorama E ²	6.5
-	Microsoft Windows Server 2012 R2	6.3
-	Microsoft Windows 10 Professional	1607
-	MT700 Master Driver (Legacy Protocol Driver)	1.0.3.1
-	Microsoft SQL Express	12.0.2008
-	HP Managed Switch Configuration	5.20.99 R113

Assessed Documentation

Reference	Title	Doc. Rev.	Date and Applies to Cert. issue No.	
TLSCADA - PAR	TRACKLINK [®] SCADA Product Acceptance Report	Rev 0	29/09/2017	1
C14663002R-001	Cover Sheet – Upminster IECC SCADA Renewal Network Rail	Rev 0	-	1
C14663002R-002	Drawing List – Upminster IECC SCADA Renewal Network Rail	Rev 0	-	1
C14663002R-005	System Architecture Diagram – Upminster IECC SCADA Renewal Network Rail	Rev 0	25/05/17	1
C14663002R-010	Bill of materials – Upminster IECC SCADA Renewal Network Rail	Rev 0	-	1

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Reference	Title	Doc. Rev.	Date and Applies to Cert. issue No.	
C14663002R-037	Power Distribution – Upminster IECC SCADA Renewal Network Rail	Rev 0	–	1
C14663002R-104	Room Layout – Upminster IECC SCADA Renewal Network Rail	Rev 0	–	1
C14663002R-105	Cabinet Layout – Upminster IECC SCADA Renewal Network Rail	Rev 0	–	1
C14663002R-FAT	Factory Acceptance Test Specification – Signed Results	Rev 0	08/02/2017	1
C14663002R-FDS	Functional Design Specification	Iss 1	25/05/2017	1
C14663002R	Operation & Maintenance Manual	Iss 0	26/05/2017	1
C14663002R-SAT	SAT Signed Results (Incl. NLL Sites)	Iss 0	28/04/2017	1
–	TRACKLINK® SCADA Event Log 070417-190917	–	–	1

Manuals and Training Materials

Reference	Title	Doc. Rev.	Date and Applies to Cert. issue No.	
C14663002R	Operation & Maintenance Manual	Iss 0	26/05/2017	1

Certificate History

Issue	Date	Issue History
T1	15/12/2016	First trial issue – acceptance for trial use to validate full acceptance criteria
1	20/10/2017	Full certificate issued after conclusion of successful three month trial to prove functionality

Contact Details

Manufacturer

SELLA Controls
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General Terms & Conditions

1) General

- 1) This certificate can only be amended by Network Rail Technology Introduction Group. Any alterations made by a different person will invalidate the entire certificate.
- 2) Failure to abide by the requirements in this Certificate of Acceptance may invalidate the certificate, thereby restricting the right to operate the product and / or limiting the future supply and deployment of the product on the infrastructure.
- 3) Upon the review date this certificate and the product it relates to is invalid and not accepted for use. Manufacturers are to make an application for a review prior to the review date.

2) Manufacturer

The Manufacturer shall:

- 1) Ensure that all products supplied comply with the standards defined in the Acceptance Requirements or otherwise documented as part of the assessment, including meeting the reliability requirements included in the Acceptance Requirements and in any deed of warranty for the relevant certificate number.
- 2) Notify Network Rail Technology Introduction Group:
 - a. Within 48 hours, of any deficiencies affecting the quality, functionality or safety integrity of the product (including corrective action undertaken or proposed).
 - b. Of any intended change to the accepted product; changes include:
 - i. a change to the product configuration (to the actual product or its application);
 - ii. a variation to or addition of manufacturing locations or processes;
 - iii. a change in the name or ownership of the manufacturing company;
 - iv. any changes to the ability or intention to support with technical services, spares or repairs.
- 3) The Manufacturer shall provide Network Rail Technology Introduction Group at least 12 (twelve) months notice of its intention to discontinue supply or to provide such notice as is reasonable if such discontinuance is outside its control and will offer the opportunity of a Last Time Buy to Network Rail together with date for last order placement and supply of the parts affected. The introduction of proposed alternative products shall be communicated to the Network Rail Technology Introduction Group.
- 4) Provide further copies of operating and maintenance manuals to purchasers / users of the product as necessary (including certificates of conformance, calibration etc).
- 5) Provide further copies of training manuals and an appropriate level of training to purchasers or users of the product as necessary.
- 6) Where applicable, specialist technical support, repairs and servicing of the product shall be carried out by the Original Equipment Manufacturer (OEM) or authorised agent only.
- 7) Network Rail may request information from the manufacturer to prove product compliance with clauses 1 and 2 above and reserve the right to suspend and/or withdraw any application where information is not forthcoming within a reasonable timeframe.
- 8) In accordance with Network Rail's Quality Assurance Policy Statement 2011, where the specification and/or Product Acceptance Certificates specify quality assurance classifications (QA1 to QA5) for the products, the manufacturer shall comply with the specified level of quality assurance for each product and allow Network Rail access to carry out its quality assurance checks.
- 9) The manufacturer shall give Network Rail's representatives access at all reasonable times to its premises and allow them to inspect its quality systems and production methods and, if requested, to inspect, examine and test the products both during and after their manufacture and the materials being used in their manufacture.

3) Conditions of Use

Specifiers, installers, operators, maintainers, etc. using the product shall:

- 1) Comply with the certificate conditions. If a condition is not understood guidance must be sought from Network Rail Technology Introduction Group.
- 2) Check that the application of use complies with the relevant certificate's scope of acceptance.
- 3) Report any defect if it is a design or manufacturing fault likely to affect performance and/or the safe operation of the railway in writing to Network Rail Technology Introduction Group.
- 4) Inform Network Rail Technology Introduction Group in writing of a change to the product configuration (or to the actual product or its application).
- 5) Operate, maintain and service the product in accordance with Network Rail standards and Operation and Maintenance manuals as appropriate.
- 6) Be appropriately trained and authorised for the installation, maintenance and use of the product.
- 7) Only send products for repair or reconditioning to the Original Equipment Manufacturer (OEM) or authorised agent.
- 8) Users are to be aware that Product Acceptance is not a substitute for design approval.

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4) Compliance

Railways and Other Guided Systems (ROGS) Regulations

- 1) Where the product is to be used in areas where Network Rail is not the Infrastructure Manager (e.g. leased stations), the sponsor shall additionally obtain formal consent from the Infrastructure Manager for the locality where the equipment is to be installed. This may include a requirement for additional safety verification. The decision of that Infrastructure Manager is binding, and cannot be overridden by Network Rail except by the escalation processes established in the ROGS regulations
- 2) As required in Railway Group Standard GE/RT8270, at each use of this product the project or group responsible for installation and commissioning shall be required to demonstrate compatibility with:

- a. All rail vehicle types that have access rights over the area affected by the change
- b. Infrastructure managed by others
- c. Neighbours.

Railway Interoperability Regulations

- 3) For interoperable constituents of systems the project or group responsible for installation and commissioning shall be required to demonstrate compliance with the relevant Technical Specifications for Interoperability (TSI) where appropriate.
- 4) An authorisation from the national safety authority (i.e. the Railway Safety Directorate of the Office of Rail Regulation) is required before the equipment is to be used in revenue earning service.

5) Supply Chain Arrangements

- 1) Certificates of acceptance do not imply any particular quantity of supply nor any exclusivity of supply.
- 2) Products may be purchased by Network Rail or its agents, suppliers or contractors.
- 3) Manufacturers should note that it is not necessary to enter into any exclusive supply arrangements with resellers or other suppliers.