

Certificate of Acceptance

PA05/03492

Manufacturer:
Hima-Sella Ltd

Issue : 5
Valid From : 22/10/2014

Track Link II system

Product Description

Tracklink II System

Product Image



Scope of Acceptance

This certificate allows the use of the Tracklink II system in connection with selective door opening on class 377 units. It utilises equipment secured to the sleepers.

This acceptance permits the system to be powered from DNO/E&P or signalling power supplies

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:

Steven Rennolds
Process & Change Specialist (Asset Management Services)

Jerry Morling BEng MSc CEng MIET, MIRSE
Professional Head Signalling

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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) N/A

User

- 1) Not to infringe gauge.
- 2) Not to be fitted higher than the rail to avoid contact with vehicles on the track.
- 3) A site survey is required for new fitments, to ensure that the system is fitted clear of other equipment wherever possible.
- 4) Where the Track Link II system is to derive its power from a signalling power supply, only one Hima Sella power converter (LWR 1601-6, PADS reference 062/075447) may be connected per 110V AC Signalling power supply busbar (see commentary page 4 for more details).

Commentary

The reason for the restriction is to minimise the earth leakage current from the power supply (Converter) hence only one power supply to be used per signalling busbar.

More than one converter may be installed at a location only if they can be connected to separate 110V AC busbars fed from independent transformers giving effective isolation of earth leakage current paths.

Product Configuration

Hardware (Maintenance Spares and Line Replaceable Units)

Part No.	Description	Catalogue No.
Type C3 2-Core 2.5mm Cable	2-Core Plus Earth Drain Wire, Type C3, 2x2.5 SQMM, Flexible bunched, TAC conductor, Type GP4 insulated, taped screened with drain wire and heavy duty RS2 sheath, 650/1100V. TPWS. NR/PS/SIG/00005	006/160086
LSZH Type E3	2-Core Plus Earth Drain wire, Type E3, 2x2.5 SQMM, Flexible bunched, TAC conductor, ZHLS insulated, taped screened with drain wire and ZHLS sheath, 650/1100V. NR/PS/SIG/00005	006/160090
BI035590/1	Charger and Mains lead for use with Tracklink II Beacon Tester, used on class 377 SDO	062/025000
LWR 1601-6	24.7V 5A O/P 125W AC-DC DIN Rail Converter, W Series	062/075447
BI009585/6	Portable Tracklink II Track Beacon Tester and charger, HSD2008	062/098985
BI040984/2	Tracklink II Transmitter Power Supply Unit - HSD2000/046/02	062/098986
BI034451/3	Tracklink II Coding plug - HSD2000/43 (to be ordered as a pair and Platform data to be provided with order) (previously 2000/046/03)	062/098987
BI034478/3	White illuminated Pushbutton for Tracklink II cabinet, HSD2000/046/04	062/098988
BI034454/3	Blue illuminated Pushbutton for Tracklink II cabinet, HSD2000/046/05	062/098989

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Part No.	Description	Catalogue No.
BI034456/3	Anti-condensation Heater for Tracklink II cabinet, HSD2000/046/06	062/098990
BI034453/3	Panel Thermostat for Tracklink II cabinet, HSD2000/046/07	062/098991
BI035001/2	Tracklink II Transmitter Termination rail, HSD2000/046/08	062/098992
BI035002/2	Tracklink II Transmitter Cabinet labels, HSD2000/046/09 (Label details to be provided with order)	062/098993
BI034450/4	Tracklink II Transmitter Control unit - HSD2000/046/01	062/098994
BI034449/4	Tracklink II Trackside Transmitter Cabinet - HSD2000/046	062/098995
HSD2000/066	Tracklink II Track Beacon	062/098996
HSD2000/016	Beacon Disconnection Box	062/098997
HSD2000/026	Tracklink II Receiver	062/098998
HSD2000/007	Tracklink II Antenna	062/098999

Assessed Documentation

Reference	Title	Doc. Rev.	Date and Applies to Cert. issue No.	
SRP/061 Issue 5	Previous Test Certificate	-	24/11/06	1
AES092/031	Letter Hoare (Aegis Engineering)/Barnatt	-	16/08/07	1
AES023/108	Request for Technical Acceptance	-	12/10/07	1
PA05/061	Certificate of Acceptance	-	15/11/07	2
Email Turner/Wood	Tracklink II SDO Acceptance for Thameslink	-	03/12/08	3
Email Brewer/Wood	Tracklink II for Class 377 SDO	-	24/10/08	3
---	LWR datasheets	-	Sept 2005	4
---	Tracklink II data sheet	-	--	4
---	Acceptance Requirements Response	-	29/09/11	4
QAA025394/2	Hima-Sella Tracklink II Transmitter Spares quotation	-	22/10/14	5
NR/L2/SIG/30010 Issue 1	Tracklink 2/HSD2000 Platform Identification Beacon System (PIBS) for Selective Dorr Operation (SDO)	1	05/12/09	5

Certificate History

Issue	Date	Issue History
1	15/11/2007	First accepted for use.
2	10/12/2007	Second acceptance certificate in order to correct the certificate number
3	03/12/2008	Third acceptance certificate in order to clarify the conditions of use.
4	18/10/2011	Fourth issue of the acceptance certificate in order to allow the tracklink II to be connected to the Railway signalling power supply.
5	22/10/2014	Certificate updated to add spares to the product configuration list that were omitted in error from earlier issues but documented in NR/L2/SIG/30010.

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Contact Details

Manufacturer

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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.