

## Certificate of Acceptance

Certificate No:

PA05/05085

Issue: 2

Valid from:

13/04/2012

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<b>Product</b>	RSS MAGNETIC HANDRAIL SYSTEM
<b>Manufacturer</b>	Rail Safety Systems B.V.

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

**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.**

**This certificate can only be amended by Network Rail Engineering directorate. Any alterations made by a different person will invalidate the entire certificate.**

### Scope of Acceptance

Acceptance of the Magnetic Handrail System for use in protection of a work site near an open line.

### Specific conditions

Refer to the pages which follow for the product configuration and detailed conditions of use.

### Authorised by

  
Chris Hext  
Head of Occupational Health & Safety

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### SPECIFIC CONDITIONS

#### 1) Manufacturer

The Manufacturer shall:

- 1) Ensure that all products supplied under this certificate 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 this 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.

#### 2) 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 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 agents.
- 8) For use on all types of rail (including UIC60)
- 9) The Magnetic Handrail System may only be erected by trained persons who are suitably



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protected from risk associated with moving trains and electrification systems via a Safe System of Work.

- 10) The Magnetic Handrail System shall not be used, between two lines, where adjacent live conductor rails are located in the 6ft space between the lines.
- 11) The barrier clamp must not encroach within 2.5m of any metalwork, which is not bonded to the rail when it is being used in areas using the 25kV AC overhead line system.
- 12) When the barrier is erected and a limited clearance situation is created suitable Limited Clearance Signage must be erected in accordance with Railway Group Standard GI/RT7033.
- 13) The assembling of the barrier on the conductor rail side with conductor rail energised must only be carried out after suitable safe method of working has been agreed and implemented.
- 14) Should the safety barrier be left in place at the cessation of work when the line is to be reopened to traffic, care must be taken to confirm that the gauge and position of safety is not compromised.
- 15) All authorised personnel needing to have access to the open line whilst the fence is in situ must be briefed in how to reach a position of safety.
- 16) Whilst being transported, erected or dismantled in AC electrified line areas, the instructions relating to working in such areas contained in the AC Electrified Lines Instructions must be complied with.
- 17) Should it be necessary to pass or operate Engineering Trains, On-Track maintenance machines or other rail-mounted equipment, a gauging assessment which also takes account of the availability of a position of safety for staff on or about the line must take place.
- 18) The Magnetic Handrail System must only be used in compliance with the instructions contained in the Rule Book relating to Safety Fencing.
- 19) Any incident relating to the use of the Magnetic Handrail System must be reported to Network Technology Introduction Group.
- 20) The Magnetic Handrail System must be erected in accordance with the manufacturer's instructions.
- 21) The barrier must be a minimum of 1m high.
- 22) When fitted in axle counter areas it is required that the head of the magnet is placed at least 100mm minimum distance either side of any trackside or rail mounted signalling equipment (e.g. magnets are no closer than 100mm from any axle counter head.) This requirement is to avoid any potential magnetic interference, touching or accidental attaching to any specialised equipment and potentially causing damage during the installation or removal of the magnet.

### 3) 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:
  - 1) All rail vehicle types that have access rights over the area affected by the change

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- 2) Infrastructure managed by others
- 3) 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.

## 4) Supply Chain Arrangements

- 1) This certificate of authority does not imply any particular quantity of supply nor any exclusivity of supply.
- 2) The product 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.

## 5) Product Configuration

### System or Complete Assembly

Part No.	Description	PADS No.
RSS 500	RSS Stanchion/Magnet	094/018991
RSS 600	RSS Rail Tube Aluminium 300 cm	094/018992
RSS 610	RSS Rail Tube Aluminium 400 cm	094/018993
RSS 620	RSS Rail tube fiberglass 300 cm full color	094/018994
RSS 630	RSS Rail tube fiberglass 400 cm full color	094/018995
RSS 640	RSS Rail tube fiberglass 400 cm striped red/white	094/018996
RSS 650	RSS Rail tube fiberglass 300 cm striped red/white	094/018997
RSS 700	RSS Transport Cradle	094/018998
RSS 800	RSS Rail magnet housing	094/018999
RSS 801	RSS Handrail clamping brackets	094/019000

## 6) Assessed Documentation

Reference	Title	Date and Applies to Cert. issue No.	
----	Link-up confirmation	26/10/2011	1
----	EMC confirmation	26/10/2011	1
----	Magnetic Safety Barrier Axle Counter test	14/10/2012	1
----	Magnetic Safety Barrier supporting information	20/06/2011	1



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### 7) Certificate History

Issue Number	Date	Issue History
1	22/02/2012	First accepted for use.
2	13/04/2012	Re-issued to amend scope.

### 8) DISTRIBUTION

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