

## Certificate of Acceptance

Certificate No: PA05/04380

Issue: 2

Valid from: 9 November 2011

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<b>Product</b>	Audible Warning for use at level crossings
<b>Manufacturer</b>	E2s Warning Signals Impress House Mansell Road LONDON W37QH
<b>UK Distributor:</b>	Selectequip Ltd Unit 7 Britannia Way Britannia Business Park Litchfield Staffordshire WS14 9UY

*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.*

*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

The product shall be used as a warning for Another Train Coming scenarios, using the standard audible tones plus an enhanced verbal warning. The sounder is for use at level crossings that have a high pedestrian frequency and significant levels of abuse or misunderstanding.

Product may be used on new and current Automatic Half Barrier and Miniature Stop Light crossings that have Another Train Coming logic as a two stage warning device.

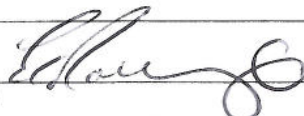
Product may be used for retro fit to Miniature Stop Light and Miniature Warning Light crossings that have no ATC logic and No audible alarms as a single stage warning device

### Specific conditions

- ORCC to approve the fitting of additional equipment to any Level Crossing. Manufacturer's instructions to be used.
- All units at the L.C to be changed at the same time.
- Operational Risk Control Co-ordinator must assess each site for suitability before installation.

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

Authorised by



Edward Rollings  
Professional Head, Signal & Telecommunications Engineering

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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) Provide further copies of operating and maintenance manuals to purchasers / users of the product as necessary (including certificates of conformance, calibration etc).
- 4) Provide further copies of training manuals and an appropriate level of training to purchasers or users of the product as necessary.
- 5) 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 agent.

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

### 4) Supply Chain Arrangements

- 1) This certificate of acceptance 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

#### Accepted Range

Part No.	Description	PADS No.
A105NAPPDC24S-NR	NR Appello Synchronised warning sounder	086/000596
VR16200101A	NR Appello Synchronised warning sounder regulator.	086/000587
BR16266001A	NR Appello Synchronised warning sounder adaptor bracket.	086/000588

### 6) Assessed Documentation

Reference	Title	Date and Applies to Cert. issue No.	
Nr/L3/SIG/30018	Level Crossing Design Technical Details. (NO CHANGES REQUIRED)	06/01/2011	1
RSSB T672	Investigation into the benefits of ATC warnings at Level Crossings	06/01/2011	1

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### 7) Certificate History

This is the second full acceptance certificate and supersedes the previous certificate

Issue Number	Date	Issue History
1	23 March 2011	First accepted for use.
2	9 Nov 2011	Second acceptance certificate in order to correct a mis allocated Catalogue Number, thus 086/000586 will be replaced by 086/000596.

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### 8) DISTRIBUTION

#### Manufacturer

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#### Sponsor

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#### For PADS records

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#### For Information/briefing

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