

## Certificate of Acceptance

Certificate No: PA05/03898

Issue: 2

Valid from: 27/10/2011

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<b>Product</b>	ZKL 3000 T-COD
<b>Manufacturer</b>	Dual Inventive Bervelt 8, 5071 Te Udenhaut, Netherlands

**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

Accepted for national use as a T-COD. This T-COD must not be used in 4<sup>th</sup> rail areas.

### Specific conditions

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

### Authorised by



Eur. Ing. Steve Hailes MA, CEng, MIET, FIRSE  
Professional Head, Signals & Telecommunications

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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

The T-COD must not be used in 4<sup>th</sup> rail areas.

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.

#### 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 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.

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### 5) Product Configuration

Part No.	Description	PADS No.
ZKL 3000	Track Circuit Operating Device (T-COD)	057/052993

### 6) Assessed Documentation

Reference	Title	Date and Applies to Cert. issue No.	
----	Field Test on WRQR Track Circuit	05/10/10	1
LD15982/RP/01 Issue 2	ISA assessment letter	01/04/10	1
T-COD 3000 2.2 UK	Delta Rail Assessment Matrix	31/10/10	1
----	T-COD Safety Case File including supporting reports	-	1
20110707 V4.00	200A Test Report	12/07/11	2
B27	B27 Change Log	July 2010	2
-	Letter regarding product changes	22/07/11	2
-	Email Trevor Webb & Martin Biggin Re. Training	21/10/11	2

### 7) Certificate History

Issue Number	Date	Issue History
1	14/10/2010	First accepted for use.
2	27/10/2011	Second issue to permit use in 3 <sup>rd</sup> rail electrification areas

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### 8) DISTRIBUTION

#### **Manufacturer**

John Gower  
Dual Inventive  
Bervelt 8,  
5071 Te Udenhout,  
The Netherlands  
[john.gower@dualinventive.com](mailto:john.gower@dualinventive.com)

#### **Sponsor**

John Jones  
Health & Safety Systems Manager  
Network Rail

[john.jones3@networkrail.co.uk](mailto:john.jones3@networkrail.co.uk)

#### **Applicant**

Trevor Webb  
Maintenance Improvement Specialist  
Network Rail

[trevor.webb2@networkrail.co.uk](mailto:trevor.webb2@networkrail.co.uk)

#### **Project Manager**

Jeremy Jackson  
Project Engineering Manager [Asset]  
Network Rail  
Infrastructure Investment  
[jeremy.jackson@networkrail.co.uk](mailto:jeremy.jackson@networkrail.co.uk)

Simon Pears  
Project Engineering Manager [Asset]  
Network Rail  
Infrastructure Investment  
[simon.pears@networkrail.co.uk](mailto:simon.pears@networkrail.co.uk)

Orry King  
Project Engineering Manager [Asset]  
Network Rail  
Infrastructure Investment  
[Orry.king@networkrail.co.uk](mailto:Orry.king@networkrail.co.uk)

Andy Free  
Project Engineering Manager  
(Investment Projects S&E Western)  
Network Rail  
[Andrew.free@networkrail.co.uk](mailto:Andrew.free@networkrail.co.uk)

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#### **For PADS records**

URL  
[acceptancecert@unipartrail.com](mailto:acceptancecert@unipartrail.com)

DHL Ltd,  
Blackpole Trading Estate  
Blackpole  
Worcester  
WR3 8SG  
[transport.inventory@dhl.com](mailto:transport.inventory@dhl.com)

Mark Coley  
Nigel Draper  
Serco Raildata Ltd,  
[Mark.Coley@serco.com](mailto:Mark.Coley@serco.com)  
[nigel.draper@serco.com](mailto:nigel.draper@serco.com)

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#### **For Information/briefing**

Nigel Beecroft  
(Programme Manager (Telecoms))  
Network Rail  
[nigel.beecroft@networkrail.co.uk](mailto:nigel.beecroft@networkrail.co.uk)

Mick Turner  
Senior Signalling Design Engineer  
Signalling System Design  
[Mick.turner2@networkrail.co.uk](mailto:Mick.turner2@networkrail.co.uk)

Ron Checkman  
Principal Engineer (Signalling)  
Technology Team  
[ron.checkman@networkrail.co.uk](mailto:ron.checkman@networkrail.co.uk)

Darren Nock  
Project Engineering Manager (South)  
SP&C Asset Management  
[Darren.nock@networkrail.co.uk](mailto:Darren.nock@networkrail.co.uk)