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Rail Industry Standard for Engineering Certification of Railborne Plant
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Rail Industry Standard

Rail Industry Standard for Engineering Certification of Railborne Plant

Issue record

Issue	Date	Comments
One	December 2015	Original document Requirements for assessment process for railborne plant, amended from previously published Engineering Acceptance in RIS-1530-PLT.

Superseded or replaced documents

The following Rail Industry Standard is superseded or replaced, either in whole or in part as indicated:

Superseded documents	Sections superseded	Date when sections are superseded
RIS-1530-PLT issue five Rail Industry Standard for Engineering Acceptance of On-Track Plant and Associated Equipment	Part 3	05 December 2015

RIS-1530-PLT issue five Rail Industry Standard for Engineering Acceptance of On-Track Plant and Associated Equipment, ceases to be in force and is withdrawn as of 05 December 2015.

Supply

The authoritative version of this document is available at www.rssb.co.uk/railway-group-standards. Enquiries on this document can be forwarded to enquirydesk@rssb.co.uk.

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Part 1 Introduction

1.1 Purpose of this document

- 1.1.1 This document is a standard on the engineering certification process for items of railborne plant, for members of RSSB to use if they so choose.
- 1.1.2 This document provides a voluntary standard on engineering assessment of railborne plant and associated equipment for use on any rail network, for the rail industry to use.

1.2 Application of this document

- 1.2.1 A member of RSSB may choose to adopt all or part of this document through internal procedures or contract conditions. Where this is the case the member of RSSB will specify the nature and extent of application.
- 1.2.2 Compliance requirements and dates have not been specified since these will be the subject of internal procedures or contract conditions.

1.3 Health and safety responsibilities

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1.4 The structure of this document

- 1.4.1 This document is set out as a series of requirements, in some cases followed by relevant guidance. The guidance is indicated by prefixing the paragraph number with the letter 'G'.

1.5 Copyright

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1.6 Approval and authorisation of this document

- 1.6.1 The content of this document was approved by PLT Standards Committee on 15 October 2015.
- 1.6.2 This document was authorised by RSSB on 28 October 2015.

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Part 2 Document Specific Information

2.1 Scope of this document

2.1.1 This document applies to all On-track Plant (OTP) and trolleys that are in use, or to be used, on GB railway.

2.1.2 This document applies to all On-track Machines (OTM) in travelling and working modes and to OTM in running mode for use on railways which are not in scope of the Interoperability Directive.

G 2.1.2.1 Railway infrastructure not part of the Interoperability Directive is declared by the Department for Transport in GB and by the Member State in other European countries.

G 2.1.2.2 Assessment of new OTM in running mode and modifications for existing OTM in running mode will be carried out in accordance with the requirements of the Interoperability Directive and associated TSIs and the Safety Management System of the railway undertaking concerned.

2.1.3 The clauses in this document contain requirements that relate to, and could be mandated by any infrastructure manager to be complied with by, the following industry parties:

- a) Manufacturers of railborne plant.
- b) Plant assessment bodies (PABs).
- c) Asset Managers of railborne plant.
- d) Operators of railborne plant.
- e) Maintainers of railborne plant.

2.2 Relevant legislation

2.2.1 Compliance with legislation is a statutory requirement and outside the scope of this standard. However, for information, regulations of particular relevance to this standard are:

- a) Supply of Machinery (Safety) Regulations 2008 – as amended by the Supply of Machinery (Safety) (Amendment) Regulations 2011.
- b) Provision and Use of Work Equipment Regulations 1998.
- c) Railways (Interoperability) Regulations 2011.
- d) All other relevant legislation such as Lifting Operations and Lifting Equipment Regulations 1998.

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2.3 Definitions

Asset Manager

For the purposes of this document the steward of an item of railborne plant is the entity that controls the use of the item of railborne plant.

Demountable Machine

Formerly known as Rail Mounted Maintenance Machine (RMMM) and is a railborne plant that can travel on rail under its own power system. Such railborne plant are not allowed to run, work, travel or operate outside possessions. Rail in this definition refers to permanent rails intended for use by normal rail vehicles.

Engineering assessment

The process whereby conformance of railborne plant to the mandatory requirements is confirmed and certificated.

Engineering Conformance Certificate (ECC)

For the purpose of this document, a certificate issued by a Plant assessment body confirming conformance of the design and construction of railborne plant and associated equipment, and its maintenance plan, with all relevant mandatory requirements of the standards set out in 3.1.4.

Instruction handbook

Text, drawing and pictorial information for an individual railborne plant as a controlled document. It is permissible for this to be one or more volumes, with or without supplements, appendices, loose sheets (test results etc).

Maintenance instruction

The document which details the standard of maintenance required for railborne plant and associated equipment.

Manufacturer

The company assembles the complete item of railborne plant or associated equipment, or converts a host vehicle to run on railway lines. This is the entity which completes the CE marking.

On-track Machine (OTM)

Any rail-mounted machine meeting the requirements of GM/RT2400 and permitted to be moved, either self-propelled or in train formation, outside a possession.

On-track Plant (OTP)

Collective term for RRV, Demountable Machine and their trailers.

Plant assessment body (PAB)

For the purpose of this document, a plant assessment body (PAB) is a body with authority to issue Engineering Conformance Certificates for railborne plant and associated equipment.

Railborne plant

On-track machines, on-track plant and manually propelled trolleys.

Rolling Stock Library

The national central database of rail vehicle design and operational data, which is maintained by the Network Rail's authorised agent.

Running mode

Railborne plant is considered to be in running mode when its suspension allows movement along the track, all parts stowed with everything within the applicable gauge, and the machine interrelates with the signalling and control systems for normal railway traffic.

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Road-rail vehicle (RRV)

A road-rail vehicle (RRV) is one that can travel on the ground and also travel on rail by virtue of a rail wheel guidance system under its own power system. Such vehicles are not allowed to run, work, travel or operate on rail outside possessions.

Trailer

A non-self-propelled, rail-mounted railborne plant capable of being towed or propelled by a machine (this includes attachments with two or more rail wheels).

Travelling mode

Railborne plant is considered to be in travelling mode when its suspension allows movement along the track, all moveable parts stowed with everything within the applicable gauge, the machine does not require to interact with the signalling and control systems (in this condition there is no need to ensure operation of signalling systems or for cab based signalling equipment).

Trolley

A manually propelled, rail-mounted device supported simultaneously on both running rails, as shown in RIS-1530-PLT.

Working mode

Railborne plant is considered to be in working mode when it is used to perform any of its permitted design tasks, as soon as an item of railborne plant is unstowed it is in working mode.