

Railway Group Standard

GE/RT8408

Issue One

Date March 2012

ERTMS/ETCS National Values

Synopsis

This document mandates requirements for a process to determine or revise a set of values of ERTMS/ETCS National Values.

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Issue record

Issue	Date	Comments
One	March 2012	Original document Supports national deployment of the European Rail Traffic Management System (ERTMS)

Superseded documents

This Railway Group Standard does not supersede any other Railway Group documents.

Supply

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Part 1 Purpose and Introduction

1.1 Purpose

- 1.1.1 This document mandates requirements for a process to determine or revise a set of values of European Rail Traffic Management System (ERTMS)/European Train Control System (ETCS) National Values.

1.2 Introduction

1.2.1 Background

- 1.2.1.1 The application of ERTMS/ETCS can be configured to suit certain specific safety and operational performance objectives. The ERTMS/ETCS System Requirements Specification, Subset-026, sets out several ERTMS/ETCS National Values that can be varied for particular configurations. These ERTMS/ETCS National Values cover many aspects of ERTMS/ETCS operation, including, for example, the maximum speeds permitted under different modes of operation.
- 1.2.1.2 A set of ERTMS/ETCS National Values applies to a National Area. A National Area is a geographic region and does not necessarily align to political borders. GE/RT8072 sets out requirements for National Areas.

1.2.2 Scope

- 1.2.2.1 A set of ERTMS/ETCS National Values is only relevant to ERTMS-fitted trains operating on ERTMS-fitted infrastructure.
- 1.2.2.2 The process set out in this document is applicable to ERTMS-fitted infrastructure irrespective of whether or not ERTMS-fitted trains operate on that infrastructure.
- 1.2.2.3 GE/RT8270 requires railway undertakings and infrastructure managers to maintain, update and make freely available to relevant parties the available data that describes asset characteristics relevant to compatibility.
- 1.2.2.4 The set of ERTMS/ETCS National Values, determined in accordance with the process set out in this document describes asset characteristics that are relevant to compatibility between ERTMS-fitted infrastructure and ERTMS-fitted trains.
- 1.2.2.5 The ERTMS/ETCS National Values set comprises the following:
- a) Q_NVDRIVER_ADHES – Qualifier for the modification of trackside adhesion factor by driver.
 - b) V_NVSHUNT – Shunting mode (permitted) speed limit.
 - c) V_NVSTFF – Staff Responsible mode (permitted) speed limit.
 - d) V_NVONSIGHT – On Sight mode (permitted) speed limit.
 - e) V_NVUNFIT – Unfitted mode (permitted) speed limit.
 - f) V_NVREL – Release Speed (permitted) speed limit.
 - g) D_NVROLL – Roll away distance limit.
 - h) Q_NVSRBKTRG – Permission to use service brake when braking to a target is supervised.
 - i) Q_NVEMRRLS – Qualifier Emergency Brake Release.