



BSI Standards Publication

**Railway applications — Vehicle Maintenance —
Guide for identification and management of
Safety Critical Components for railway vehicles**

National foreword

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Railway applications - Vehicle Maintenance - Guide for identification and management of Safety Critical Components for railway vehicles

Applications Ferroviaires - Maintenance des véhicules -
Guide pour l'identification et le management des
Composants Critiques de Sécurité pour les véhicules
ferroviaires

Bahnwendungen - Fahrzeuginstandhaltung -
Leitfaden zur Identifizierung und dem Management
von Sicherheitskritischen Komponenten für
Schienenfahrzeuge

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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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Foreword

This document (CEN/TR 17696:2021) has been prepared by Technical Committee CEN/TC 256 “Railway applications”, the secretariat of which is held by DIN.

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Introduction

The following document is focused on the new concept of Safety Critical Component (SCC) introduced in the recent framework of the European legislation.

1 Scope

The objective of this document is to provide an overview of the SCCs requirements captured from the current legislation and the actors involved in their fulfilment.

In addition, this document aims to promote a common understanding of those requirements together with practical arrangements to fulfil them in a proper way and giving guidance for the SCCs identification and management.

The objective of the document is neither to produce an applicable list of SCCs nor to provide for examples of SCCs.

This document is applicable to vehicles only. The definition of “vehicle” is as in Art. 3(21) of the Safety Directive [3].

2 Normative references

There are no normative references in this document.

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

renewal

any major substitution work on a subsystem or part subsystem which does not change the overall performance of the subsystem

3.2

upgrade

upgrading

any major modification work on a subsystem or part subsystem which improves the overall performance of the subsystem

3.3

refurbishment

programme of interior/exterior work, other than routine maintenance or repair, undertaken on a railway vehicle to restore or enhance the level of design and performance

3.4

engineering change

change to a railway vehicle, including control software, in the area of design, construction or maintenance which affects, or potentially affects, conformity to applicable requirements