

STN	Železnice Údržba koľajových vozidiel Vytváranie a úpravy plánov na údržbu	STN EN 17023 28 7401
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Railway applications - Railway vehicle maintenance - Creation and modification of maintenance plan

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 05/19

Obsahuje: EN 17023:2018

128797

EUROPEAN STANDARD

EN 17023

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2018

ICS 45.060.01

English Version

Railway applications - Railway vehicle maintenance - Creation and modification of maintenance plan

Applications ferroviaires - Maintenance des véhicules
ferroviaires - Création et modification du plan de
maintenance

Bahnanwendungen - Instandhaltung von
Eisenbahnfahrzeugen - Erstellung und Änderung von
Instandhaltungsplänen

This European Standard was approved by CEN on 12 October 2018.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN 17023:2018 (E)

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EN 17023:2018 (E)**European foreword**

This document (EN 17023:2018) has been prepared by Technical Committee CEN/TC 256 “Railway applications”, the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by June 2019, and conflicting national standards shall be withdrawn at the latest by June 2019.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive 2008/57/EC.

For relationship with EU Directive 2008/57/EC, see informative Annex ZA, which is an integral part of this document.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Introduction

In the field of railway maintenance, the purpose of this document is to define key processes to create and modify the maintenance plan for railway vehicles.

Each railway vehicle has to be in a safe state of running and achieve performance targets when in service. This is achieved by operating the vehicle under defined conditions, and performing a maintenance system, including corrective and preventive maintenance on certain components/functions at certain periodicities at a maintenance facility.

The maintenance plan is a part of the maintenance system, contains the descriptions of the activities, quality criteria, procedures and intervals to be undertaken during scheduled maintenance with the objective to ensure the vehicle complies with the target condition.

The construction of new vehicles is accompanied by an appropriate set of technical, maintenance and operating documents to support the vehicles along their life cycle.

EN 17023:2018 (E)**1 Scope**

This document describes the methodology and the elements to be considered for the creation and modification of a vehicle maintenance plan, up to the validation. This document describes general requirements (list of input data, structure and content) of a maintenance plan.

For the creation and modification of a maintenance plan, this document lists:

- preparation and selection of documents and input data;
- analysis of input data and development of the maintenance plan up to its validation;
- process to be followed to create a maintenance plan;
- reasons to check a current maintenance plan;
- risk assessment and process to be followed to modify the maintenance plan;
- monitoring conditions (e.g. justification methods, verification, validation, documentation, roles, skills and knowledge).

This document applies only to preventive maintenance.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 17018, *Railway applications — Rolling stock maintenance — Terms and definitions*

EN 31010, *Risk management — Risk assessment techniques (IEC/ISO 31010)*

EN 50126 (all parts), *Railway Applications — The Specification and Demonstration of Reliability, Availability, Maintainability and Safety (RAMS)*

EN 50128, *Railway applications — Communication, signalling and processing systems — Software for railway control and protection systems*

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