



BSI Standards Publication

Railway applications – Infrastructure – Rail mounted railway maintenance and inspection machines and associated equipment – Explanation of machine type and compliance, including acceptance processes

National foreword

This Published Document is the UK implementation of CEN/TR 17498:2020.

The UK participation in its preparation was entrusted to Technical Committee RAE/2, Railway Applications - Track.

A list of organizations represented on this committee can be obtained on request to its committee manager.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2020
Published by BSI Standards Limited 2020

ISBN 978 0 539 00565 3

ICS 93.100; 45.120

Compliance with a British Standard cannot confer immunity from legal obligations.

This Published Document was published under the authority of the Standards Policy and Strategy Committee on 31 July 2020.

Amendments/corrigenda issued since publication

Date	Text affected
------	---------------

English Version

**Railway applications - Infrastructure - Rail mounted
railway maintenance and inspection machines and
associated equipment - Explanation of machine type and
compliance, including acceptance processes**

Applications ferroviaires - Infrastructure - Machines
ferroviaires de maintenance et d'inspection
- Explication du type de machine et de leur
conformité, y compris les processus d'autorisation

Bahnanwendungen - Infrastruktur -
Schienengebundene Instandhaltungs- und
Inspektionsmaschinen - Erläuterung des
Maschinentyps und der Konformität,
einschließlich der Zulassungsverfahren

This Technical Report was approved by CEN on 15 June 2020. It has been drawn up by the Technical Committee CEN/TC 256.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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

Contents

Page

European foreword	iii
Introduction	iv
1 Scope	5
2 Normative references	5
3 Terms and definitions	6
4 Modes of operation	7
4.1 Introduction	7
4.2 Working mode	7
4.3 Travelling mode	8
4.4 Running mode	9
5 Generic types of machine	10
5.1 Introduction	10
5.1.1 Classification — general	10
5.1.2 Railbound machines	11
5.1.3 Road-rail machines	11
5.1.4 Demountable machines and trailers	12
5.1.5 Trolleys and portable machines	12
5.1.6 Demountable modules	12
5.1.7 Attachments	12
5.1.8 Machines without rail wheels	13
5.2 Classification of rail mounted machines	13
5.2.1 Classification method	13
5.2.2 Machines with a running mode	13
5.2.3 Machines with a road mode	13
5.2.4 How does the machine move along the track	13
5.2.5 Combination of questions	13
6 Assessment of machines	14
6.1 Introduction	14
6.2 Machinery Directive	14
6.3 European Railway Package	15
6.3.1 Interoperability Directive	15
6.3.2 Safety Directive (2004/49/EC as amended by 2016/798/EU)	16
6.4 Common elements of design review processes	17
6.5 Acceptance to work on the railway	18
7 Composition of standards for machines	19
7.1 Introduction	19
7.2 Series of standards	19
8 Special national conditions	19
8.1 Introduction	19
Annex A (informative) Examples of machine types	20
Bibliography	35