# საქართველოს სტანდარტი

სარკინიგზო მოთხოვნები - ლიანდაგი -ჩანაცვლებადი მისაბმელი და მათთან დაკავშირებული მოწყობილობა - ნაწილი 2: უსაფრთხოების ზოგადი მოთხოვნები

საქართველოს სტანდარტებისა და მეტროლოგიის ეროვნული სააგენტო თბილისი

## საინფორმაციო მონაცემები

- 1 **შემუშავებულია** საქართველოს სტანდარტების და მეტროლოგიის ეროვნული სააგენტოს სტანდარტების დეპარტამენტის მიერ
- 2 დამტკიცებულია და შემოღებულია სამოქმედოდ საქართველოს სტანდარტების და მეტროლოგიის ეროვნული სააგენტოს 2019 წლის 6 დეკემბრის № 98 განკარგულებით
- 3 მიღებულია გარეკანის თარგმნის მეთოდით სტანდარტიზაციის ევროპული კომიტეტის სტანდარტი ენ 15954-5:2013 "სარკინიგზო მოთხოვნები ლიანდაგი ჩანაცვლებადი მისაბმელი და მათთან დაკავშირებული მოწყობილობა ნაწილი 2: უსაფრთხოების ზოგადი მოთხოვნები"

## 4 პირველად

**5 რეგისტრირებულია** საქართველოს სტანდარტების და მეტროლოგიის ეროვნული სააგენტოს რეესტრში: 2019 წლის 6 დეკემბერი №268-1.3-016404

დაუშვებელია წინამდებარე სტანდარტის სრული ან ნაწილობრივი კვლავწარმოება, ტირაჟირება და გავრცელება სსიპ საქართველოს სტანდარტებისა და მეტროლოგიის ეროვნული სააგენტოს ნებართვის გარეშე

# EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

EN 15955-2

April 2013

ICS 45.060.20; 45.120

#### **English Version**

# Railway applications - Track - Demountable machines and associated equipment - Part 2: General safety requirements

Applications ferroviaires - Voie - Machines déraillables et éléments associés - Partie 2 : Prescriptions générales de sécurité Bahnanwendungen - Oberbau - Ausgleisbare Maschinen und zugehörige Ausstattung - Teil 2: Allgemeine Sicherheitsanforderungen

This European Standard was approved by CEN on 10 February 2013.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of 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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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

Management Centre: Avenue Marnix 17, B-1000 Brussels

Cont	<b>Contents</b> Pag	
Foreword4		
Introduction		5
1	Scope	_
•	•	
2	Normative references	7
3	Terms and definitions	11
4	List of significant hazards	11
5	General safety requirements and/or measures	12
5.1 5.2	General	
5.2 5.3	Access and egress to and from working places  Ergonomics	
5.3 5.4	Requirements for cabs	
5.5	Seats	
5.6	Standing places	
5.7	Edges and corners	
5.8	Pipes and hoses	
5.9	Communications between work positions	
5.10	Prevention of derailment	
5.11	Stability and measures preventing overturning	
5.12	Emergency stopping devices	
5.13	Moving parts and materials	
5.14	Operator's controls and indicators	24
5.15	Thermal hazards	
5.16	Electrical system	
5.17	Machine safety requirements related to electromagnetic compatibility	
5.18	Emission of gas and particles	
5.19	Pressurised systems	
5.20	Fuel tanks and hydraulic tanks	
5.21	Noise reduction	
5.22	Vibration	
5.23	Protection from the risks of fire	
5.24	Braking systems	
5.25	Lighting	
5.26	Warning systems	
5.27	Maintenance	
5.28	Safe handling	36
6	Additional safety requirements or measures for specific machine functions	36
6.1	Conveyors	
6.2	Cranes and lifting devices fixed on the machine	37
6.3	Transport of loads by machines used for lifting	
6.4	Elevating work platforms	
7	Verification of the conformity to the requirements and/or particular safety measures	32
7.1	GeneralGeneral	
7.1	Methods of examination	
8	Information for use	
8.1	General	
8.2	Instruction handbook	
8.3	Warning signs and written warnings	
84	Marking	44

Annex	x A (normative) List of significant hazards	46
Annex	B (normative) Check list for conformity	49
Annex	C (normative) Noise test code (grade of accuracy 2)	54
C.1	Scope	
C.2	Terms and definitions	
C.3	Determination of the emission sound pressure level at the work station or other specified positions	54
C.4	Sound power level determination	
C.5	Installation and mounting conditions	
C.6	Operating conditions	
C.7	Measurement uncertainties	
C.8	Information to be recorded	
C.9	Information to be reported	
C.10	Declaration and verification of noise emission values	
Annex	D (informative) Structure of European standards for track construction and maintenance machines	60
Annex	ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 2006/42/EC	62
Biblio	graphy	63
;	J. ~F J	

#### **Foreword**

This document (EN 15955-2:2013) 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 October 2013, and conflicting national standards shall be withdrawn at the latest by October 2013.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] 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(s).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

EN 15955, Railway applications — Track — Demountable machines and associated equipment, consists of the following parts:

- Part 1: Technical requirements for running and working;
- Part 2: General safety requirements (the present 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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

## Introduction

This European Standard is a type C standard as stated in EN ISO 12100.

The machinery concerned and the extent to which hazards, hazardous situations and hazardous events are covered are indicated in the scope of this European Standard.

When provisions of this type C standard are different from those which are stated in type B standards, the provisions of this type C standard take precedence over the provisions of the other standards, for machines that have been designed and built according to the provisions of this type C standard.