

საქართველოს სტანდარტი

სახმელეთო დამხმარე აღჭურვილობა საჰაერო ტრანსპორტისათვის -
ნაწილი 3: ვიზრაციის გაზომვის მეთოდები და შემცირება

საქართველოს სტანდარტებისა და მეტროლოგიის
ეროვნული სააგენტო
თბილისი

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4 პირველად

5 რეგისტრირებულია საქართველოს სტანდარტების და მეტროლოგიის ეროვნული სააგენტოს რეესტრში: 2019 წლის 6 დეკემბერი №268-1.3-016606

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English Version

Aircraft ground support equipment - General requirements - Part
3: Vibration measurement methods and reduction

Matériel au sol pour aéronefs - Exigences générales -
Partie 3: Vibrations, réduction et méthodes de mesure

Luftfahrt-Bodengeräte - Allgemeine Anforderungen - Teil 3:
Schwingungsmessverfahren und -minderung

This European Standard was approved by CEN on 12 August 2004 and includes Amendment 1 approved by CEN on 15 February 2009.

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 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 Management Centre has the same status as the official versions.

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



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Foreword

This document (EN 1915-3:2004+A1:2009) has been prepared by Technical Committee CEN/TC 274 "Aircraft ground support equipment", 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of an identical text or by endorsement, at the latest by September 2009, and conflicting national standards shall be withdrawn at the latest by December 2009.

This document includes Amendment 1, approved by CEN on 2009-02-15.

This document supersedes EN 1915-3:2004.

The start and finish of text introduced or altered by amendment is indicated in the text by tags A1 A1.

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).

A1 For relationship with EU Directive(s), see informative Annexes ZA and ZB, which are integral parts of this document. A1

EN 1915 "Aircraft ground support equipment — General requirements" consists of:

- Part 1: Basic safety requirements
- Part 2: Stability and strength requirements, calculations and test methods
- Part 3: Vibration measurement methods and reduction
- Part 4: Noise measurement methods and reduction

A further European Standard (EN 12312) in several parts covering specific requirements for different aircraft ground support equipment is in preparation.

The parts of EN 12312 "Aircraft ground support equipment — Specific requirements" are:

- Part 1: Passenger stairs
- Part 2: Catering vehicles
- Part 3: Conveyor belt vehicles
- Part 4: Passenger boarding bridges
- Part 5: Aircraft fuelling equipment
- Part 6: Deicers and deicing/antiicing equipment
- Part 7: Aircraft movement equipment
- Part 8: Maintenance stairs and platforms
- Part 9: Container/Pallet loaders
- Part 10: Container/Pallet transfer transporters
- Part 11: Container/Pallet dollies and loose load trailers
- Part 12: Potable water service equipment
- Part 13: Lavatory service equipment
- Part 14: Disabled/Incapacitated passenger boarding equipment
- Part 15: Baggage and equipment tractors
- Part 16: Air start equipment
- Part 17: Air conditioning equipment
- Part 18: Nitrogen or Oxygen units
- Part 19: Aircraft jacks, axle jacks and hydraulic tail stanchions
- Part 20: Ground power equipment

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

Introduction

The aim of this European Standard is to deal with vibration as a hazard and to provide methods for the measurement and reduction of vibration emission transmitted to the whole body of drivers of GSE, when driving. For determining whole body vibrations under stationary operating conditions and hand-arm vibrations EN 1032:2003 is used.

It is intended that the results obtained can also be used to compare GSE of the same category or a given GSE when equipped with different seats or tyres, etc.

Fitting different seats, changing the tyre specification, etc. can lead to different vibration values. Due to the specific operation of GSE, however, EN 1032:2003 cannot be applied directly for whole body vibration under driving conditions, and therefore, the preparation of this European Standard for GSE has become necessary.

This European Standard cannot be used for field measurements to determine the daily exposure of the driver to vibration.

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 events are covered are indicated in the scope of this document.

When provisions of this type C standard are different from those which are stated in type A or 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.

საინფორმაციო ნაწილი. სრული ტექსტის სახსრად შეიძლება სტენდარტი.