



NSAI
Standards

Irish Standard
I.S. EN 16990:2020

Light motorized vehicles for the transportation of persons and goods and related facilities and not subject to type-approval for on-road use - Side by Side Vehicles - Safety requirements and test methods

I.S. EN 16990:2020

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This document is based on:

EN 16990:2020

Published:

2020-05-20

This document was published under the authority of the NSAI and comes into effect on:

2020-06-14

ICS number:

43.080.99

43.140

NOTE: If blank see CEN/CENELEC cover page

NSAI
1 Swift Square,
Northwood, Santry
Dublin 9

T +353 1 807 3800
F +353 1 807 3838
E standards@nsai.ie
W NSAI.ie

Sales:
T +353 1 857 6730
F +353 1 857 6729
W standards.ie

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National Foreword

I.S. EN 16990:2020 is the adopted Irish version of the European Document EN 16990:2020, Light motorized vehicles for the transportation of persons and goods and related facilities and not subject to type-approval for on-road use - Side by Side Vehicles - Safety requirements and test methods

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EUROPEAN STANDARD

EN 16990

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2020

ICS 43.080.99; 43.140

English Version

Light motorized vehicles for the transportation of persons and goods and related facilities and not subject to type-approval for on-road use - Side by Side Vehicles - Safety requirements and test methods

Véhicules motorisés légers non soumis à la réception par type pour le transport de personnes, de marchandises ainsi que d'autres équipements - Véhicules côte à côte - Exigences de sécurité et méthodes d'essai

Motorisierte (ride-on) Fahrzeuge ohne Zulassung für den öffentlichen Straßenverkehr, bestimmt für den Transport von Personen und Gütern - Side-by-Side-Fahrzeuge - Sicherheitstechnische Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 7 March 2020.

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, 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.



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COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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EN 16990:2020 (E)

European foreword

This document (EN 16990:2020) has been prepared by Technical Committee CEN/TC 354 “Non-type approved light motorized vehicles for the transportation of persons and goods and related facilities -”, the secretariat of which is held by AFNOR.

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 November 2020, and conflicting national standards shall be withdrawn at the latest by November 2020.

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 2006/42/EC.

For relationship with EU Directive 2006/42/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, 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 the United Kingdom.

Introduction

This document is of relevance, in particular, for the following stakeholder groups representing the market players with regard to machinery safety:

- machine manufacturers (small, medium and large enterprises);
- health and safety bodies (regulators, accident prevention organizations, market surveillance etc.)

Others can be affected by the level of machinery safety achieved with the means of the document by the above-mentioned stakeholder groups:

- machine users/employers (small, medium and large enterprises);
- machine users/employees (e.g. trade unions, organizations for people with special needs);
- service providers, e.g. for maintenance (small, medium and large enterprises);
- consumers (in case of machinery intended for use by consumers).

The above-mentioned stakeholder groups have been given the possibility to participate at the drafting process of this document.

This document is a type C standard as stated in EN ISO 12100:2010.

The vehicles concerned and the extent to which hazards, hazardous situations and hazardous 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 vehicles that have been designed and built according to the provisions of this type C standard.

EN 16990:2020 (E)**1 Scope**

This document applies to Side by Side vehicles propelled by internal combustion engines using liquid fuels (petrol, diesel, bio-fuels, lpg) and/or electric drive, intended to be used primarily on unpaved surfaces and not intended to be used on public roads¹⁾.

This document defines safety requirements relating to the elements of design, operation, and maintenance of Side by Side vehicles and deals with all significant hazards, hazardous situations and events relevant to Side by Side vehicles, when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer (see Annex M). It deals with the significant hazards during the whole lifecycle of the product as defined in 5.3 of EN ISO 12100:2010,

This document is not dealing with:

- Side by Side Vehicles exclusively intended for competition²⁾;
- Side by Side Vehicles fitted with side facing seats
- Side by Side Vehicles intended to be operated by persons under the age of 14 years;
- agricultural and forestry tractors coming under Regulation (EU)167/2013;
- 3 or 4 wheeled vehicles coming under Regulation (EU)168/2013;
- accessories for additional functions³⁾;
- the additional hazards due to the use of the Side by Side Vehicle on public roads;
- the additional hazards due to the use of remote control.

This document is not intended to cover all terrain vehicles (ATVs - Quads) as defined by EN 15997:2011.

This document is not applicable to Side by Side vehicles which are manufactured before the date of its publication as EN.

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.

CEN/TR 15172-1, *Whole-body vibration - Guidelines for vibration hazards reduction - Part 1: Engineering methods by design of machinery*

CR 1030-1, *Hand-arm vibration — Guidelines for vibration hazards reduction — Part 1: Engineering methods by design of machinery*

¹⁾ In general, vehicles intended for use on public roads have to fulfil specific requirements and/or require official "type-approval".

²⁾ The main criterion to be applied to judge whether vehicles are to be considered as exclusively intended for competition is whether they are designed according to the technical specifications laid down by one of the officially recognised racing associations.

³⁾ Towing hook and load carrying provisions remaining within the vertical projection onto the ground of the vehicle are not considered as accessories.

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