

ANSI/OPEI Z130.1-2020

American National Standard

*for Golf Cars –
Safety and Performance Specifications*



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**ANSI/OPEI
Z130.1-2020**
Revision and
redesignation of
(ANSI/ILTVA Z130.1-2012)

American National Standard
for Golf Cars –
Safety and Performance Specifications

Sponsor

Outdoor Power Equipment Institute

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American National Standard

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Foreword (This foreword is not part of American National Standard ANSI/OPEI Z130.1-2020.)

This is the seventh edition (sixth revision) of *American National Standard for Golf Cars - Safety and Performance Specifications*, ANSI/ILTVA Z130.1-2012. The first edition of the standard was published in 1979. The first through sixth editions were developed under the auspices of the International Light Transportation Vehicle Association (ILTVA). This revision was prepared by the OPEI Z130.1 / Z135 Golf Car and PTV Committee, as part of OPEI's continuing work on standards.

A summary of the principal changes included in this revision follows:

- Several definitions were added or revised;
- The vehicle identification number requirements were revised;
- Safety warnings were revised to specify warnings for both occupants and operators;
- Previous fuel system requirements were replaced with the requirement to comply with ANSI/OPEI B71.10.

The standard contains no normative annex and one informative annex.

Suggestions for improvement of the standard are welcome. They should be sent to the Outdoor Power Equipment Institute, 1605 King Street, Alexandria, VA, 22314, or via e-mail to info@opei.org.

Consensus for this standard was developed by use of the Canvass Method, as well as through public consultation in *ANSI Standards Action*.

The persons listed below were recognized as having an interest in the standardization of golf cars and were included on the consensus body. Additional stakeholders were recognized as having an interest, however OPEI was unable to make contact with these stakeholders, or they declined to participate. Inclusion in this list does not necessarily imply that all organizations concurred with the submittal of the proposed standard to ANSI.

Geoff Stewart, P.E., C.R.E., Chairman
(Club Car, LLC)

Z130.1-2020 Consensus Body

User Interest Category

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Dennis Hurst
Zach Lee (PGA Tour)

Producer Interest Category

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Steve Nissen (Club Car, LLC)
Dan Ostroksy (Yamaha Motor Company)
Chris Spencer (Textron Specialized Vehicles)

General Interest Category

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Gary Heydinger (SEA)
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American National Standard

for Golf Cars – Safety and Performance Specifications

PART I INTRODUCTION

1 Scope and purpose

1.1 Scope

This standard provides safety and performance specifications relating to golf cars, driven by electric motors or internal combustion engines specifically intended for and used on golf courses for transporting golfers and their equipment.

This standard does not apply to:

- Personal Transport Vehicles (PTVs), which are covered by ANSI/OPEI Z135 (formerly ANSI/ILTVA Z135);
- autonomous vehicles;
- hybrid electric vehicles (powered by a combination of an internal combustion engine and a battery with an electric motor);
- vehicles designed for the transportation of persons with disabilities.

The effective implementation date of this standard shall be two (2) years after the publication date and shall apply to all products built after that date. Newly manufactured golf cars may also comply with the requirements of this standards any time after the publication date.

NOTE – The units in this standard are given in metric. English units are included in parentheses for information only.

1.2 Purpose

The purpose of this standard is to promote safety in the design, manufacture, maintenance and operation of golf cars. This standard may be used as a guide by regulatory authorities desiring to formulate safety rules and regulations. This standard is also intended for voluntary use by others associated with manufacturing, maintaining or utilizing golf cars.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this American National Standard. At the time of publication of this standard, the editions indicated were valid. However, all publications and standards are subject to revision and obsolescence. Accordingly, users are encouraged to investigate the possibility of applying the most recent editions of the standards referenced herein.

ANSI Z535.1, *Safety Colors*

ANSI Z535.3, *Criteria for Safety Symbols*

ANSI Z535.4, *Product Safety Signs and Labels*

ANSI/NFPA 30, *Flammable and Combustible Liquids Code*