



NSAI
Standards

Irish Standard
I.S. EN 16652-1:2016

LPG equipment and accessories - Automotive LPG vehicles workshops - Part 1: Working areas and procedures

I.S. EN 16652-1:2016

Incorporating amendments/corrigenda/National Annexes issued since publication:

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I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

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National Foreword

I.S. EN 16652-1:2016 is the adopted Irish version of the European Document EN 16652-1:2016, LPG equipment and accessories - Automotive LPG vehicles workshops - Part 1: Working areas and procedures

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

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In line with international standards practice the decimal point is shown as a comma (,) throughout this document.

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EUROPEAN STANDARD

EN 16652-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2016

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English Version

LPG equipment and accessories - Automotive LPG vehicles workshops - Part 1: Working areas and procedures

Équipements GPL et leurs accessoires - Ateliers pour
véhicules automobiles fonctionnant au GPL - Partie 1:
Zones de travail et modes opératoires

Flüssiggas-Geräte und Ausrüstungsteile - Werkstätten
für Autogas-Nachrüstsysteme - Teil 1: Arbeitsbereiche
und Verfahren

This European Standard was approved by CEN on 13 February 2016.

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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.

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European foreword

This document (EN 16652-1:2016) has been prepared by Technical Committee CEN/TC 286 “Liquefied petroleum gas equipment and accessories”, the secretariat of which is held by NSAI.

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of an identical text or by endorsement, at the latest by November 2016, and conflicting national standards shall be withdrawn at the latest by November 2016.

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.

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EN 16652-1:2016 (E)

Introduction

This European Standard does not purport to address all of the health and safety risks, if any, associated with its use. It is the responsibility of the user to establish appropriate health and safety practices and to ensure compliance with any national legislative and regulatory obligations.

Users should perform their own full risk assessment to address all of the health and safety risks, as required by national legislation.

Training and competency requirements for personnel involved in the activities are not included in the scope of this standard but are planned to be addressed in a second part to this European Standard.

This European Standard specifies the requirements for working areas and the procedures for the installation of LPG systems on vehicles and for the repairing and maintenance of vehicles equipped with LPG systems.

This European Standard should be used for aspects not covered by the manuals provided by the manufacturers of LPG vehicles and/or retrofit systems.

Protection of the environment is a key political issue in Europe and elsewhere, for CEN/TC 286 this is covered in CEN/TS 16765 [2] *LPG equipment and accessories - Environmental considerations for CEN/TC 286 standards*, and this Technical Specification should be read in conjunction with this standard.

It is recommended that users develop an environmental management policy. For guidance see EN ISO 14021[3], EN ISO 14024 [4] and EN ISO 14025 [5]. It has been assumed in the drafting of this European Standard that execution of its provisions is entrusted to appropriately qualified and experienced people.

1 Scope

This European Standard sets out the requirements for automotive LPG working areas and procedures, aimed at reducing the risk of fire and explosion of LPG when the following types of work or activity are carried out:

- a) equipping vehicles with an LPG system to use LPG for propulsion purposes;
- b) maintenance, servicing and repairs to the LPG system;
- c) any other LPG vehicle maintenance, servicing or repairs not involving the LPG system.

The operations described in items a) and b) above are undertaken in dedicated LPG working areas, whereas item c) is undertaken in general service working areas.

This Standard does not address how to equip a vehicle with an LPG retrofit system or how to repair or maintain an LPG vehicle.

NOTE Such provisions are normally provided in the instruction manuals issued by the relevant manufacturers.

2 Normative references

Not applicable.

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

liquefied petroleum gas

LPG

low pressure liquefied gas composed of one or more light hydrocarbons which are assigned to UN 1011, UN 1075, UN 1965, UN 1969 or UN 1978 only and which consists mainly of propane, propene, butane, butane isomers, butene with traces of other hydrocarbon gases

Note 1 to entry: For automotive LPG specification, see EN 589 [6].

3.2

competent person

person which by combination of appropriate qualification, training, experience, and resources, is able to make objective judgments on the subject

3.3

contents gauge

device to indicate the liquid level or contents in a pressure vessel

3.4

remote-controlled service valve

device that allows or interrupts the LPG supply to the vaporizer/pressure regulator

3.5

service valve

valve for fluid off-take which is manually operated to provide a leak-tight seal

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