



NSAI
Standards

Irish Standard
I.S. 813:2014+A1:2017

Domestic gas installations (Edition 3) and Amendment 1:2017

I.S. 813:2014+A1:2017

<i>Incorporating amendments/corrigenda issued since publication:</i>		Published	Withdrawn
Amends	I.S. 813:2014	28/01/2014	07/03/2017
Corrected by	I.S. 813:2014+A1:2017/AC:2017	07/04/2017	

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

S.R. xxx: Standard Recommendation - recommendation based on the consensus of an expert panel and subject to public consultation.

SWIFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

<i>This document is based on:</i> I.S. 813:2014+A1:2017	<i>Published:</i> 7 March, 2017
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Údarás um Chaighdeáin Náisiúnta na hÉireann

I.S. 813:2014+A1:2017 – Domestic gas installations (Edition 3) and Amendment 1:2017

Corrigendum to I.S. 813:2014+A1:2017

I.S. 813:2014+A1:2017 incorporates corrigenda 1 and 2 from I.S. 813:2014 and are marked with AC₁ and AC₂

To distinguish this new corrigendum when consolidated in the main text, it is marked with the symbols AC₃ AC₃ in the consolidated I.S. 813:2014+A1:2017

This corrigendum becomes effective on 2017-04-07.

Figure 6 Key

In item 2 change:

from "C and D" to "Y and Z".

and in item Z change to:

"If Y is less than 1 500 mm as measured horizontally then Z shall be 600 mm or greater"

Figure 7a Key

In keys 1, 2 and 3 add the degree symbol after 45 and 60 where they occur, e.g.:

45° and 60°

12.3.7

Change:

"hall" to "shall"

Table A.A.1

Change:

"Table A.A.1" to "Table A.1"

Figure B.1 Key

Change S, U, V and W of the key to read:

S	1 m to flue terminal
U	3 m to un-trapped drain or un-sealed gully or manhole cover Bulk flammable liquid storage, Opening to cellar / basement, Corrosive, toxic or oxidising materials
V	1,5 m to electrical/meter distribution box
W	6 m to mechanical air in-take

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Figure B.2

Change the key to read:

Key

S	1 m to flue terminal	U	3 m to un-trapped drain or un-sealed gully or manhole cover Bulk flammable liquid storage, Opening to cellar / basement, Corrosive, toxic or oxidising materials
V	1,5 m to refuse bin, flammable/combustible materials (e.g. solid fuels)	W	6 m to mechanical air in-take

E.3.3

In last sentence change:

"Table E.E.2" to "Table E.2"

Table E.E.1

Change:

"Table E.E.1" to "Table E.1"

Table E.E.2

Change:

"Table E.E.2" to "Table E.2"

Table E.3 title

Change to:

"Table E.3 Soundness test for existing gas installations only (pipework only)"

Table E.E.4

Change:

"Table E.E.4" to "Table E.4"

E.3.6

Change:

"Table E.E.4" to "Table E.4"

Table H.H.1

Change:

"Table H.H.1" to "Table H.1"

Annex K,

Change designation from:

"normative" to "informative"

DECLARATION

OF

SPECIFICATION

DOMESTIC GAS INSTALLATIONS (EDITION 3) AND AMENDMENT 1:2017

AS

THE IRISH STANDARD SPECIFICATION FOR

DOMESTIC GAS INSTALLATIONS (EDITION 3) INCLUDING AMENDMENT 1:2017

NSAI in exercise of the power conferred by section 16 (5) of the National Standards Authority of Ireland Act, 1996 (No. 28 of 1996) and with the consent of the Minister for Jobs, Enterprise and Innovation, hereby declare as follows:

1. This instrument may be cited as the Standard Specification (Domestic gas installations (Edition 3) and Amendment 1:2017) Declaration, 2017.








2. (1) The Specification set forth in the Schedule to this declaration is hereby declared to be the standard specification for Domestic gas installations (Edition 3) and Amendment 1:2017.

(2) The said standard specification may be cited as Irish Standard 813:2014+A1:2017 or as I.S. 813:2014+A1:2017.

3. (1) The Standard Specification (Domestic gas installations (Edition 3)) Declaration 2014 is hereby revoked.

(2) Reference in any other standard specification to the Instruments hereby revoked and to Irish Standard 813:2014 thereby prescribed, shall be construed, respectively, as references to this Instrument and to Irish Standard 813:2014+A1:2017.

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Foreword

This Standard was drafted by the Technical Committee 2 (TC2) of the Gas Technical Standards Committee.

This Standard represents a standard of good practice but compliance with it does not confer immunity from relevant legal requirements, regulations and local by-laws.

All persons engaged in "Gas Work" as defined by the Energy (miscellaneous provisions) Act 2006 and the definition for the scope of "Gas Works" under Commission for Energy Regulation document CER/09/032 should be registered with the Gas Safety Supervisory Body (GSSB) and be aware of their duties under the Electricity Regulation Act 1999 and the subsequent Regulations set out in S.I. No. 225 of 2009 and S.I. No. 299 of 2011.

All persons engaged in gas installation work should be aware of their duties under the current Building Regulations and the Local Government (Multi-Storey Buildings) Regulations, 1988 (S.I. No. 286 of 1988).

Nothing in this document prevents the use of technical development.

A1 Amendments are indicated by the TAGs **A1** **A1** and corrigenda are indicated with **AC1** **AC1** **A1**

On publication, this Standard updates and supersedes I.S. 813:2014. **A1**

The safe operation and maintenance of the installation downstream of the point of delivery is, from the time of commissioning, the responsibility of the **A1** owner/occupier/landlord(s) **A1** of the premises supplied.

Attention is drawn to the requirements of the European Council Directive on the approximation of the laws of the Member States relating to appliances burning gaseous fuels (90/396/EEC) and S.I. No. 101 of 1992, European Communities (Appliance Burning Gaseous Fuels) Regulations, as amended.

Reference has been made to I.S. EN 1775 in compiling this Standard.

A1 The final consolidated text, I.S. 813:2014+A1:2017 includes a number of minor editorial corrections which are not detailed in this document. This also includes a new corrigendum marked with **AC3** **AC3**.

The term "owner/occupiers(s)." has been replaced by "owner/occupier/landlord(s)" throughout the document. **A1**

In line with international standards practice the following representation of numbers and numerical values apply.

The decimal point is shown as a comma (,) throughout this Irish Standard.

Each group of three digits reading to the left or to the right of a decimal sign are separated by a space from preceding digits or following digits respectively.

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Schedule

Ⓐ1 Domestic gas installations (Edition 3) and Amendment 1:2017 Ⓐ1

1. Scope

This Standard provides a Code of Practice for the installation of natural gas or liquefied petroleum gas, in Ⓐ1 permanent domestic dwellings Ⓐ1, from the point of delivery to the gas appliance.

Included are requirements for the:

- installation of appliances and associated pipework in single and multi-occupancy dwellings, and domestic-type appliances in non-domestic buildings;
- installation of LPG cylinders and intermediate pressure LPG systems from the point of delivery;
- design, construction and testing of pipework, pipework ancillaries and meters for new installations as well as to replaced parts of, or extensions to, existing installation pipework;
- purging of air from, and the admission of gas to, pipework installations and their hand over to the operator;
- installation and commissioning of appliances;
- safe operation and maintenance of installations in use.

For guidance on the installation of meters see Annex D. For the definitive text, refer to Ⓐ1 S.R. 12007- 5 Ⓐ1.

The requirements relating to installations of non-domestic appliances or pipe systems are not included in this Standard. The requirements for installations to non-domestic buildings are set out in I.S. 820.

The requirements relating to the installation or maintenance of industrial process equipment, be it either an appliance or a pipe system, in an industrial premises are not included in this Standard.

The requirements for the construction of gas service pipes which supply gas from a natural gas main or an LPG distribution system to the point of delivery are set out in Ⓐ1 S.R. 12007-5 Ⓐ1.

2. Normative references

The following referenced documents are indispensable for the application 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.

Ⓐ1 S.R. 12007-5, Ⓐ1 *Installation of Gas Service Pipes – Parts 1 and 2*

I.S. 820, *Non-domestic gas installation*

I.S. 3213, *Code of Practice for the storage of LPG cylinders and cartridges*

I.S. 3216, *Code of Practice - Bulk storage of liquefied petroleum gas (LPG)*

ET 101 Ⓐ1, *National rules for electrical installations* Ⓐ1

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