



## Gas Technical Standard Committee Report 2010

### Scope

1. To advise the NSAI with regard to Irish Standards and Codes of Practice necessary for the transmission distribution and utilisation of Natural Gas and LP gas, with particular regard to safety and to make recommendations as required.
2. To draft appropriate documentation including Standards, Codes of Practice, Amendments and Safety Recommendations as necessary.
3. To ensure that interested parties are consulted in the drafting of these standards and codes of practice.
4. To liaise with similar bodies in other EU countries and in particular CEN (European Committee for Standardisation) and ISO (International Organisation for Standardisation).
5. To advise NSAI on how to vote on draft European and International Standards.

## Gas Technical Standards Committee

### 1. Highlights from 2010

The GTSC is active on many arenas within the Natural Gas and LPG industries.

#### 1.1. Gas cooker safety:

The NCA<sup>1</sup>, CER<sup>2</sup> and NSAI continued their combined efforts this year with gas cooker manufacturers BEKO and Glen Dimplex to locate and make safe over 5,000 LPG cookers in the Irish market to minimise the risk of injury from carbon monoxide. The TC2 proposed amendment to the gas cookers standard EN 30-1-1 was published requiring cookers to be tested with the grill door closed in a bid to prevent future incidents with gas cookers. A mailshot safety alert was delivered to all homes in Ireland in an attempt to locate the remaining cookers. To date 80% of the cookers have been located.

#### 1.2. Carbon Monoxide Alarms

TC2 drafted a proposed amendment to the Carbon Monoxide Alarms European Standard EN 50291-1:2010 requiring the display of a declaration on the packaging of the apparatus that an end-of-life indicator is included. Such alarms could be recommended for use in Ireland if required.

In addition to the amendment a revision to the standard was drafted for CLC/TC 216 making the end-of-life indicator a requirement in EN 50291-1. This will result in all alarms conforming to the standard being fitted with an end-of-life indicator. The end-of-life indicator alerts the user that the CO sensor is no longer functioning.

#### 1.3. CEN/TC 155 - Plastic piping systems

The EN 1555 series of European standards utilised by the gas industry in Ireland was revised and published in 2010. The revision included the addition of PE peelable pipe which is now being used extensively in Ireland. Irish experts participated at Working Group level and Plenary level to ensure that the revision was successful.

#### 1.4. Retirement of the Chairman

Liam Ó hAlmhain, Chairman of the GTSC since 1982 retired from the chair in 2010. He has given 29 years of service to NSAI and continues to participate as an expert on the GTSC Technical Committees.

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<sup>1</sup> National Consumer Agency

<sup>2</sup> Commission for Energy Regulation

## 2. Technical Committees Membership 2010

### CENTRAL COMMITTEE

The Central Committee oversees the activities of the each Technical Committee.

**Mr. L. Ó hAlmhain, Chairman**, Gas Consultant  
**Mr. L. Hearne, Deputy Chairman**, Gaslink  
**Mr. L. Nolan**, Bord Gáis Networks  
**Mr. B. Hanna**, Department of Communications, Energy and Natural Resources  
**Mr. W. Kearney**, Bord Gáis Networks  
**Mr. J. Colreavy**, Health and Safety Authority  
**Mr. E. McDonnell**, Irish L.P. Gas Association  
**Mr. J. Barry**, Department of Environment, Heritage and Local Government  
**Ms. E. Walsh**, Department of Communications, Energy and Natural Resources  
**Mr. M. Molloy**, Department of Communications, Energy and Natural Resources  
**Mr. B. Cunningham**, NSAI  
**Mr. F. Finn, Technical Secretary**, NSAI  
**Dr. I. Cowan, Shadow Secretary** NSAI

### TC1 - Distribution

TC1 draws up standards in the areas of services, distribution, PE pipe and fittings, and regulators up to 16 bar.

**Mr. D. Hughes, Chairman**, Bord Gáis Networks  
**Mr. L. Ó hAlmhain**, Gas Consultant  
**Mr. D. Burke**, Bord Gáis Networks  
**Mr. L. Doyle**, Irish LP Gas Association  
**Mr. R. Somers**, Bord Gáis Networks  
**Mr. P. McKee**, Phoenix Energy Services, Northern Ireland  
**Ms. S. Corrigan**, Bord Gáis Networks  
**Mr. P. Moore**, Wavin Ireland Ltd  
**Mr. C. Manning**, Quality Plastics Ltd  
**Mr. S. Douglas**, Radius Plastics  
**Mr. A. Toher**, Bord Gáis Networks  
**Mr. F. Finn, Technical Secretary**, NSAI  
**Dr. I. Cowan, Shadow Secretary** NSAI

### TC2 - Installation and Appliances

TC2 draws up standards for natural gas and LP Gas installations in domestic and non-domestic premises. It also drafts standards for gas appliances.

**Mr. L. Doyle, Chairman**, Calor Teoranta  
**Mr. W. Wilson**, RGII  
**Mr. L. Nolan**, Bord Gáis Networks  
**Mr. E. McDonnell**, Irish L.P. Gas Association  
**Mr. C. Costelloe**, Flogas Ireland Ltd  
**Mr. L. Ó hAlmhain**, Gas Consultant  
**Mr. P. Walshe**, Formally, Bord Gáis Éireann  
**Ms. P. Iverson**, Department of Enterprise Trade and Employment  
**Mr. K. Collins**, Bord Gáis Energy Services  
**Mr. D. Hughes**, Bord Gáis Networks  
**Mr. Kevin Kellett**, Bord Gáis Networks  
**Mr. P. O'Shaughnessy**, Gas Consultant  
**Mr. C. Ahearne**, Installer Review Panel  
**Mr. F. Finn, Technical Secretary**, NSAI  
**Dr. I. Cowan, Shadow Secretary** NSAI

## **TC5 - Transmission**

TC5 has drafted a two-part standard dealing with the design, construction and operation of transmission pipelines and installations from 16 bar upwards.

**Mr. P.J. Rudden, Chairman**, RPS Group Ltd  
**Mr. B. Hanna**, Department of Communications, Energy and Natural Resources  
**Mr. L. Hearne**, Gaslink  
**Mr. L. Ó hAlmhain**, Gas Consultant  
**Mr. P. Clarke**, Bord Gáis Networks  
**Mr. Conor Ahern**, Bord Gáis Networks  
**Mr. P. Lennon**, Bord Gáis Networks  
**Mr. T. McMahon**, Consultant  
**Mr. W. Kearney**, Bord Gáis Networks  
**Mr. F. Finn, Technical Secretary**, NSAI  
**Dr. I. Cowan, Shadow Secretary** NSAI

## **TC6 - Use of CNG in Vehicles**

TC6 has drafted a standard for CNG (Compressed Natural Gas) systems in vehicles.

**Mr. L. Ó hAlmhain, Chairman**, Gas Consultant  
**Mr. T. McHale**, RSA  
**Mr. S. Lee**, Bord Gáis Networks  
**Mr. P. Callanan**, Bord Gáis Networks  
**Mr. F. Marron**, Opel  
**Mr. F. Finn, Technical Secretary**, NSAI  
**Dr. I. Cowan, Shadow Secretary** NSAI

## **TC8 - Fixed bulk storage of LP Gas and LP Gas refuelling stations**

TC8 has drafted a two-part standard dealing with the bulk storage of LP Gas covering vehicle fuelling facilities and other sites.

**Dr. D. Kennedy, Chairman**, Dublin Institute of Technology  
**Mr. J. Colreavy**, Health and Safety Authority  
**Mr. L. Doyle**, Calor Teoranta  
**Mr. E. McDonnell**, Irish LP Gas Association  
**Mr. A. McCarthy**, Chief Fire Officers Association  
**Mr. P. Daughen**, Dublin Fire Brigade  
**Mr. C. Costelloe**, Flogas Ireland Ltd  
**Mr. J. Barry**, Department of Environment, Heritage and Local Government  
**Mr. F. Finn, Technical Secretary**, NSAI  
**Dr. I. Cowan, Shadow Secretary** NSAI

## **TC9 - LPG Equipment and Accessories**

This committee monitors Irish participation in the pressure vessel and the Transport of Dangerous Goods area at CEN (particularly CEN/TC 286) and ISO meetings. It will not produce draft standards of its own.

**Mr. P. O'Connell, Chairman**, Flogas Ireland Ltd  
**Mr. S. McGarry**, Health and Safety Authority  
**Mr. E. McDonnell**, Irish L.P. Gas Association  
**Mr. P. Murphy**, Flogas Ireland Ltd  
**Mr. M. Davitt**, Department of Enterprise Trade and Employment  
**Mr. F. Finn, Technical Secretary**, NSAI  
**Mr. D. Bridges, Shadow Secretary**, NSAI (out going)

### 3. National Standards Development

**3.1. I.S. 820 – Non-Domestic Gas Installations:**

The enquiry comments were addressed and a draft completed by the committee. The standard was edited by NSAI and published in 2010. An environmental Annex has been added in line with the 2009-2011 NSAI Strategy Document.

**3.2. I.S. 3216 – Code of practice for the bulk storage of LPG:**

The enquiry comments were addressed and a draft completed by the committee. The standard was edited by NSAI and published in 2010. I.S. 3216:2010 was the first Irish Standard published with an environmental Annex in line with the 2009-2011 NSAI Strategy Document.

**3.3. I.S. 328 – Transmission pipelines**

The Central Committee approved the revision of I.S. 328. The standard for transmission pipelines is being modernised with international standards and codes of practice by TC5.

**3.4. I.S. 265 – Service Lines**

The Central Committee approved the revision of I.S. 265. The standard for gas service line is being modernised with international standards and codes of practice by TC1. The work is being carried out in parallel with CEN/TC 234/WG10.

**3.5. I.S. 329 – Distribution pipelines**

The Central Committee approved the revision of I.S. 329. The standard for gas distribution pipelines is being modernised with international standards and codes of practice by TC1.

**3.6. I.S. 813 – Domestic gas installations**

The Central Committee approved the revision of I.S. 813. A special emphasis is being put on electrical and Carbon Monoxide issues. I.S. 813 is referenced in SI 225 of 2009 and is one of NSAI's best selling national standards.

### 4. GTSC Meetings

The GTSC held 28 meetings in 2010

GTSC Central Committee held 4 meetings

GTSC TC1 held 3 meetings

GTSC TC2 held 7 meetings

GTSC TC5 held 4 meetings

GTSC TC6 held 2 meetings

GTSC TC8 held 3 meeting

GTSC TC9 held 5 meetings

### 5. International meetings

Members of the GTSC represented Ireland at the following meetings in 2010:

CEN/TC 49 - Gas cooking appliances

CEN/TC 49/WG1 - Amendment of EN 30

CEN/TC 155 - Plastics piping systems and ducting systems

CEN/TC 155/WG12 - Pressure systems of polyolefin material for gas supply, water supply and drainage and sewerage

CEN/TC 234 – Gas infrastructure

CEN/TC 234/WG2 – Distribution

CEN/TC 234/WG3 - Transmission

CEN/TC 234/WG10 – Service lines

CEN/TC 237 – Gas meters

CEN/TC 237/WG5 - General requirements

CEN/TC 286 – LPG equipment and accessories

CEN/TC 286/WG2 - Design and manufacture of accessories (valves, gauges, fittings) for LPG pressure vessels designed in WG1

CEN/TC 286/WG7 - Operational requirements - Transportable LPG cylinders and static LPG tanks

CEN/TC 286/WG9 - LPG propulsion systems for recreational craft

## **6. National Mirror Committee, GTSC TC9**

### **CEN/TC 286 - LPG Equipment and accessories**

#### **6.1. National work in Europe**

GTSC TC9 represents Ireland's position on the European Standard Committee CEN/TC 286. The members of GTSC TC9 monitor the work being done by the Technical Committee, participate on the Working Groups and represent Ireland's position at the annual Plenary meetings.

#### **6.2. Work items**

GTSC TC9 are monitoring 22 active work items in CEN/TC 286. There are currently 22 European Standards in the process of being revised, amended or being developed.

Published Standards:

There were 6 European Standards published in 2010 by CEN/TC 286. GTSC TC9 was involved in the development of each of the standards.

Enquiry stage

There were 8 European Standards sent to enquiry in 2010. The draft standards were reviewed by GTSC TC9 and comments submitted to CEN by NSAI.

Formal Vote and UAP

There were 5 European Standards sent to Formal Vote and UAP in 2010. Ireland voted and commented on these draft documents as advised by GTSC TC9

Resolutions:

There were 22 Resolutions taken at the 26th CEN/TC 286 Plenary in 2010.

There has been 9 Resolutions by Correspondence taken in 2010 by CEN/TC 286.

GTSC TC9 advised NSAI on how to vote for each Resolution.

### **6.3. Environment**

All European Standards being developed or revised by CEN/TC 286 are having an environmental assessment and an Environmental Annex being added to each standard where appropriate. CEN/TC 286 is being used as a model for other CEN Technical Committees by the CEN Environmental Helpdesk. The GTSC has adopted this approach in the development of gas industry national standards.

A presentation was given to SABE, the CEN Strategic Advisory Body on Environment, highlighting the environmental contribution CEN/TC 286 is making in standardisation and also the contribution NSAI is making, as Ireland's National Standards Body, in the area of standardisation. Ireland's contributions were applauded by SABE.