

**Gas Industry Liaison Group  
Notes and Actions  
Tuesday 3<sup>rd</sup> November at 10.00am  
Friars Gate, 1011 Stratford Road, Shirley, B90 4BN.**

**1. Attendance/Apologies.**

Ian Moss	EU Skills
Martin Lyth	EU Skills
Bruce Bennett	Gas Safe Register
Wim Rutyas	OPGO
Mike Walton	OPGO
Simon Fisher	National Grid Metering
John Forrest	GATC
Duncan Vallance	NICEIC
Michael Ovenden	Domestic Gas Services
Neill Ovenden	Domestic Gas Services
Andy Brewer	Cofely
Paul Smoker	Dixons Car Phone
Chris Longhurst	National Grid
Tony Hopton	Home Serve

**Apologies**

Reuben Smith	SWAT Gas
Ian Clarke	British Gas
Martin Garbutt	Home Serve
David Dumaresq-Lucas	Brookhouse Training
Paul Hudson	Cofely
Peter Winnett	Riello Burners

**2. Minutes from previous GILG meeting (06.08.15).**

The minutes from the previous meeting were reviewed and agreed.

**3. Standards Consultation Forum - update.**

**3.1. CD/068 (ISU 048) IGEM/UP/2**

**Standard: IGEM UP/2 Edition 3 – Installation pipework on industrial and commercial premises**

Factors potentially affecting ACS criteria:

- Covers gas installation pipework up to 60bar
- Covers steel, stainless steel, corrugated stainless steel tube (CSST), pliable corrugated tubing (PCT), copper and PE pipework.
- Greater clarification regarding limits to pressure drop.
- Quality system applied for MOP >5barThe most significant change is that Edition 3 applies to gas installation pipework with a MOP not exceeding 60 bar, whereas Edition 2 was limited to 2 bar.
- Technical file required for systems > 500mbar
- Requirements for hydrostatic testing
- Guidance regarding hot tapping
- Limitations to jointing methods dependent on operating pressure and size
- External buried pipework
- Entry and exit from a building
- Pipework in ducts

- Multi-occupancy and multi-story buildings
- Pipework support
- Flexible connections
- Manual valves
- Vents and breathers
- Compressors, boosters and pre-mix machines
- Installation and decommissioning procedures

Units listing IGEM UP/2 (Edition 2) as a normative document:

- ICAE1 LS: Non-domestic Appliances/Equipment (First Fix)
- ICPN1: Non-Domestic Pipework & Fittings
- ICPN1 LS: Non-domestic Pipework & Fittings Limited Scope
- Non-Domestic Core Generic Part A
- Changeover: Core Generic Part A
- CCCN1: Non-Domestic Core Catering Appliances
- CoDC1: Domestic to Non-Domestic Core Catering Changeover
- EFJLP1: Electro-fusion Jointing

**Proposal:** a representative from the SCF (Ian Smith) is to raise the suggestion that IGEM/UP/2 should be split into two parts due to the high pressures i.e. 60bar listed in the revised standard. Further to discussions with IGEM it appears that the likely outcome is to have a two tier approach to ACS i.e. high and low pressure versions.

The following update was received by the SCF regarding IGEM UP/2 Edition 3 via the following extract from IGEM Gas Utilisation Committee Draft Minutes 31/3/15:

As discussed at the last meeting, IGEM had received a request from the Standards Consultation Forum (SCF) to publish a 'low pressure' version of the Standard as the majority of the gas installers only work on installations that have an OP of 25 mbar. In addition, requirements to training and assess to pressures of 60 bar was considered a specialist area that would be a cost that was not able to be justified.

The Committee discussed the issue and it was proposed that a possible solution was to suggest scope of the work could be divided into three/four parts;

- Pipework with OP not exceeding 25 mbar
- Pipework with OP exceeding 25 mbar and not exceeding 0.5 bar
- Pipework with OP exceeding 0.5 bar and not exceeding 16 bar
- Pipework with OP exceeding 16 bar and not exceeding 60 bar.

Following discussions at the SCF (21/05/15), it is to be proposed that the criteria be split into two i.e. up to 5 bar and 5bar to 60 bar, with the upper tier including additional clauses included in edition 3 of the standard e.g. 'hot tapping'. Therefore, up to 5 bar will be covered by ACS, with 5 bar to 60 being covered by Training and Assessment programme, both programmes will be delivered via a Certification Body. Criteria for both will be available via the Standards Setting Body to all CB's.

Following further instruction from IGEM for the pressure limit to be raised from 5 bar to 16 bar it has been agreed by the SCF members to change the ACS upper limit to 16bar.

**The pressure limit for ACS assessments has been raised to 16bar.**

### 3.2. CMA1 proposal: Brook house training Ltd.

#### Overview:

The ACS Assessment category CMA1 has been chosen by industry as the preferred qualification for entry into industry within Smart Metering (accompanied by MET1). This qualification is being introduced not only into the Trailblazer Apprenticeships but also into approved Managed Learning Programmes as well as being a stand-alone entry qualification in its own right.

Currently, CMA1 contains a proportion of Non-Domestic questions which bear no relevance to Domestic installations, and this requires additional training and assessment which is irrelevant to the candidate.

#### Proposed Changes:

The CMA1 assessment is a prerequisite for MET1 which is limited to installation of U6 meters. In view of this, questions related to non-domestic pipework with welded, flanged and fittings up to and above 50mm, may not be connected to a U6 meter and therefore may not be encountered. In addition, questions relating to appliances connected to non-domestic flues, canopies and ventilation again may not be connected to a U6 meter.

Proposal: Circulate full proposal to SCF members for consideration by the full SCF members, decision to be made by the SCF at the next meeting.

Following on from discussions at the SCF (21/05/15), MAMCoP (21/05/15) and the Smart metering employee development group (20/05/15) meetings, therefore the proposal is to produce new limited scope criteria for domestic metering only e.g. CMA 3, with the current CMA1 being left as is.

A draft version of CMA3 has now been produced and commented and is to be finalised and circulated to the CB's by the end of September.

**CMA3 is now available to CBs should they wish to apply for UKAS accreditation and offer to clients if the demand warrants it.**

### 3.3. Installation of Sub-Meters

Existing ACS criteria for domestic meters i.e. MET1 includes secondary meters in the scope. This is not the case with non-domestic meters as MET4, CMET1 and CEMET2 excludes secondary meters from the scope. This decision was made by the previous scheme committee for ACS as it was deemed that secondary meters are not included in the scope of GM6 and GM8. After further discussions with IGEM it was suggested that sub-meters which include both secondary meters and check meters are covered in UP/2. However, where there is a clear definition for check meters in that their installation is part of the pipework, the definition for secondary meters is less clear.

Proposal: Ian Smith (National Grid) to discuss issues at the IGEM Gas Measurement committee to provide the SCF with a clear definition for secondary meters, therefore enable the SCF to establish whether installers will be required to prove their competence for meter work e.g. MET4, CMET1 etc.

The following response has been received by IGEM Gas Measurement Committee, draft minutes:

*At the last meeting, a question was raised at GILG concerning what should the assessment criteria be for the ACS assessment of secondary or check meters? It had been agreed to circulate the definition of primary, secondary and check meters to the Committee for further discussion and is shown in the referenced paper. The discussion concluded that fitting primary and secondary meters required the appropriate ACS qualification and fitting check meters was covered by the appropriate ACS for laying pipework, because a check meter is a pipework fitting.*

The SCF subsequently agreed that the installers installing primary meters and secondary meters (meters for billing purposes) would require the individual to prove their competence in the appropriate Matters of Gas Safety. Following discussions at the SMB (04/06/15) it was agreed that the chair of the SMB would request that this decision should be re-considered as the SMB did not see enough reasoning why the competencies for secondary meters and check meters should differ.

Following discussions at the SCF meeting (18/08/15) it was agreed that the decision regarding the necessary competencies would be put on hold and that further clarification would be requested from IGEM.

#### **3.4. CD/72 (ISU 052) BS EN 10239 2014 Small Craft LPG Systems**

Changes potentially affecting ACS:

Section 5: Pressure regulation devices

Section 6: LPG supply line

Section 7: Appliances

Section 10: Installation tightness tests

Section 13: Ducts and flues for air intake and combustion product discharge

ACS assessments:

CCLP1 and CCLP1 B

Look at Cylinder locations, supply pressures, tightness testing and flueing standards for appliances.

**Proposal: to assess the potential changes required for the existing Matters of Gas safety and implement by April 1st 2016.**

#### **3.5. CD/73 (ISU 053) BS 7967: 2015**

Guide for the use of electronic portable combustion gas analysers for the measurement of carbon monoxide in dwellings and the combustion performance of domestic gas-fired appliances.

The revision has attempted to make the process of the investigation more efficient by applying a logical work flow approach to reduce the time needed to eliminate appliances which are clearly not the source of CO production. A sweep test has been introduced to aid identification of likely sources of CO.

Matters of gas safety criteria:

CMDDA1

- Identify potential sources of CO as appropriate
- Investigate 'suspect' gas appliances:

Proposal: to assess the potential changes required for the existing Matters of Gas safety and implement by January 1st 2016.

#### **3.6. CD/74 (ISU 054) IGEM/UP/19 (Amendment)**

Design and application of interlock devices and associated systems used with gas appliance installations in commercial catering establishments with amendment January 2015

Potential changes:

Section 6: Installation, commissioning and air quality testing

Figure 3 has been amended to consider the situation when the installation of a new/replacement appliance is to be installed in a naturally ventilated room or space.

**Amendment does not affect ACS Matters of Gas Safety Criteria**

**3.7. CD/75 (ISU 055) PD CEN/TR 1749: 2014**

European scheme for the classification of gas appliances according to the method of evacuation of the combustion products.

Although this document is referenced within LNIDL it is not an installation or product standard and has little impact on the work of Gas Safe Registered businesses or engineers.

**3.8. CD/76 (ISU 056) The building Regulations & (Amendment) regulations 2015**

The building Regulations & c (Amendment) Regulations 2015

No changes required

**3.9. CD/77 (ISU 057) IGEM/IG/2**

Engineer's guide to relevant sections of IGEM/UP/19 in catering establishments

Maintenance to Matters of Gas Safety criteria performed under IGEM/UP/19

**3.10. CD/001 (TB 001) The Gas Industry Unsafe Situations Procedure. Edition 7**

Not to Current Standards (NCS) classification has been removed as such situations are not unsafe.

Gas engineers will still treat unsafe situations as either ID or AR but the message to the user/responsible person is the same regardless of the category.

Proposed changes have been identified and will apply to all core modules and will be implemented by January 1st 2015.

**4. Trailblazer Apprenticeships**

The following Trailblazer apprenticeships are currently being developed by employers in the metering and domestic natural gas sectors respectively and have made progress as detailed in the following bullet points:

- Dual fuel Smart metering apprenticeship
  - Apprenticeship Standards approved by Government
  - Apprenticeship assessment plan approved by Government
  - Apprenticeship units complete, signed off by EDG group and available
  - First apprentice starts commenced at Gates Head college (October 2015)
- Gas service engineer (domestic gas)
  - Apprenticeship Standards approved by Government
  - Apprenticeship assessment plan submitted for approval (October 2015)
  - Coasting template submitted for approval (October 2015)
  - First starts planned for first quarter of 2016.

There are opportunities for Industry to identify other sectors for the development of additional trailblazer apprenticeships. Any such groups need to identify the area they wish to develop an apprenticeship standard by informing EU Skills and providing 10 letters of support from employers including at least one SME. All trailblazer apprenticeship are to be supported by a professional body, for the gas sector this is

usually IGEM, in addition to IGEM an apprenticeship standard can be supported by a Trade Body.

**5. Member's items.**

**5.1. GILG approach BSI in order to get notifications of drafts for those standards in GME/33 and GSE/24 are relevant to those who work within the LPG sector.**

A contact has now been received from UKLPG for the relevant BSI LPG groups, it was agreed by the group that EU Skills would write on their behalf to gain access to the meeting notes and standards etc.

BSI state that the GILG as an entity do not sit on any BSI committee and suggest that the best way to participate in the development of LPG standards is to respond to Drafts for Public Comments, the stage of the process when BSI encourages input from stakeholders outside the immediate committee structure.

**Action ML: to contact BSI LPG standard groups to request notification of LPG standards for public comment and circulate to GILG members.**

**5.2. Thermoelectric flame safety devices (Wim Rutjes)**

Wim Rutjes informed the group of a potential flaw in the operation of a thermos-electric FSD. He demonstrated that if the pilot valve was not fully engaged (on to the magnet) at the pilot ignition stage the user could then turn the valve to the on position resulting in gas flowing to the main burner unlit for a period of time until the device shut down. This was the experience of one of his customers who was very unnerved when attempting to re-light the pilot for a second time after gas had accumulated within the appliance due to the reasons explained above.

The group were of the opinion that thermos-electric gas safety controls have been in widespread use for many years without any incidents. The user instructions for thermos-electric FSDs generally state that a user should wait 3 minutes before attempting to make a second attempt at re-lighting the appliance to allow for any gas accumulated within the appliance to disperse.

**5.3. OPGO Queries**

Wim Rutjes raised concerns that some catering appliance manufacturers were refusing to supply engineer's instructions regarding their products. He has reported this to the CMA (Competition and Markets Authority) and will update the group regarding their reply.

**6. IGEM/IG/1**

**6.1. Implementation Process**

Following feedback on Version 1, IM explained the high level changes to Version 2 of the implementation process for IGEM/IG/1 have now been introduced. The changes include the following high level changes:

- Mechanism introduced to take in to account organisations who have produced training provision that has been authorised by an independent third party
- Organisation authorising third priorities who authorise training provision on behalf of the SSB to be vetted by the SMB.
- SSB to use the Independent Service to authorise training on their behalf.
- Process signed to be off by SMB December 2015
- First starts 1st January 2016
- Specifications available for April 2016

After further discussion it was agreed that the members would read through the revised process and comment back to IM by the Tuesday 1st December 2015.

## 6.2. Clarification of ACS Category 2 Qualifications

Further to recent enquiries regarding the current situation regarding entry to the Gas Safe Register via the ACS pathway for those holding specific plumbing qualifications it has become apparent that:

- i. the current position is unhelpful and greater clarity is needed, and
- ii. the criteria for ACS entry via Category 2 need to be reviewed, agreed and implemented as soon as possible.

There are options available to the industry to update the Category 2 criteria, either to broaden entry to anyone holding any formal Plumbing qualification or alternatively to restrict Category 2 eligibility only to certain listed qualifications. The current situation is obviously unclear and therefore needs to be discussed by the SCF, with all the usual implications taken into account.

### Option 1

Continue to align the qualification to a fossil fuel:

Qualifications must have enabled competence to be demonstrated in the generic work activities associated with fossil fuelled appliances/equipment and/or pipework installation, including any of the following activities; installation of chimneys, flues and ventilation or the installation, maintenance or commissioning of such appliances.

### Option 2

Industry to clarify the situation in GN8 via SCF regarding plumbing qualifications that are not associated with a fossil fuel (e.g. renewable energy).

Following on from various discussions at the recent GILG and SCF meetings it has been agreed to continue to align qualifications using Option 1 i.e. use the Ofqual database to identify the gas content in specific qualifications and put together a sub-group to establish the requirements for category 1, 2 and 3 entrants into the scheme.

## 7. Job Practice Analysis (ACS scheme).

ML reported that good progress continues to be made regarding the LPG suite of documents, the core units have been worked through and work is continuing regarding pipework before progressing to appliances.

The work produced regarding domestic suite of documents has been evaluated by a SCF sub-group who were of the opinion that the re-assessment strategy was not close enough to current working practices and a more innovative approach was required.

## 8. Group Competence Scheme

IM updated the meeting regarding the Group Competence Scheme in that following the approval of the British Gas scheme by their Certification Body (Certsure) and the subsequent accreditation of their CB by UKAS, no further organisations have been added to the scheme, although several are working towards accreditation.

## 9. AOB

### 9.1 Cooker Hose Update

PS reported that the full suite of cooker hoses has now been approved to EN14800 and a dramatic improvement in the robustness and reliability has been observed since their utilisation. PS also stated that Gas Safe Register has sanctioned their use and that proposals are to be made for their inclusion in BS6172.

### 9.2 Risk Assessment: Domestic Appliance Installed in a Non-Domestic Environment

Domestic Gas Services made enquiries as to what has happened to the risk assessment produced for an engineer to use regarding domestic appliances installed in a non-domestic environment.

The group felt that the work produced was valid and should be placed on the SCF agenda for a second time.

**Action ML/IM: Put on upcoming SCF Agenda**

**9.2 Caravan Definitions**

PS enquired if there was any further development in categorising caravans/park homes for ACS purposes.

ML informed the group that The NCC had provided a proposal to the LPG JPA working group and would circulate this information to the GILG members.

**Action: ML circulate proposal to GILG members**

**9.3 ESP Paperwork**

PS reported that they were experiencing problems due to ESP not leaving paperwork following their visit making it hard to establish what the problem was when undertaking any necessary follow-up work.

**9.4 Work in Southern Ireland**

PS asked the group members if anyone was undertaking work in Southern Ireland and stated that in their experience it was hard to justify undertaking work here due to the extra cost incurred by the requirements to supply a CO alarm.

**9.5 Solid Fuel Ovens**

The concept of solid fuel ovens in catering establishments utilising the flue/extract provisions supplied for gas appliances was discussed. The consensus was that the responsible person/user bears the responsibility of utilising these appliances and should seek guidance from a body such as HETAS.

**Date of next meetings: to be held at EU Skills, Friars Gate, 1011, Stratford Road, Shirley, B90 4BN.**

**TBC**