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An: Member of SFGas Infrastructure

Betreff: CEN/SFGas new JWG Gas Quality
Anlagen: 20160125_Project proposal to CEN SFGas WG_final.pdf; 20160125_SFGas WG on Gas quality_Member consultation_final.pdf

Dear Member,

As you know, EN 16726 does not cover all provisions along the terms of Mandate M/400, particularly the Wobble-index. Therefore DG Energy asked CEN to conduct supplementary standardisation activities accordingly.

A recent brainstorming session at the past CEN/TC 234 Convenor meeting aimed at re-launching the previous "5 Countries Pilot" by enlarging to the whole European gas industry concerned. (see attached documents)

Consequently proposal is made to set up a **joint group "Gas Quality" SFGas Utilisation/Infrastructure** to perform pre-normative activities.

Please, let us know as soon as possible if you agree, and possibly send your comments.

Regards

F. Dupin
Secretary to CEN/SFG_I

Dear members of Sector Forum Gas Infrastructure and Sector Forum Gas Utilization,

EN 16726 "Gas infrastructure – Quality of gas – Group H" (developed under Mandate M/400) has been published by CCMC in 12/2015; it is available for national publication and implementation. As you might know, this standard has been published without requirements on the Wobbe index, one of the major gas quality parameter and requested by M/400. The take-out had been caused by lack of consensus and by a lack of available experiences and technical findings with changing Wobbe index ranges and variations. Also other parameters such as total sulfur for distributed gases remain subject to discussion.

Therefore, M/400 is not completely fulfilled and further development of the gas quality requirements is requested; the formalities with view to the continuation of M/400 are in process between CEN and EU COM.

Before definition of further normative requirements is possible, pre-normative work with broad involvement of stakeholders is necessary. It is proposed to place this pre-normative work in a Working Group under the umbrella of the Sector Fora Gas Infrastructure and Utilization. The normative work will be carried out – later on – in CEN/TC 234 on the basis of the results of the pre-normative work. Details on proposed objectives, scope and structure are described in the attached document.

In your function as members of the Sector Fora we kindly ask you to consider the proposal and to reply to the following questions:

- **Do you agree with the installation of a Sector Forum Gas Working Group "Pre-normative study of H-gas quality parameters" under the umbrella of the Sector Fora Gas Infrastructure and Utilization?**
(agree with/without comments, disagree with comments, abstain)
- **Do you generally agree with the proposals on objectives scope and structure?**
(agree with/without comments, disagree with comments, abstain)

Please send your feedback including comments to stephane.rossato@afgaz.fr and dupin@dvgw.de **within the next 4 weeks, by February 25th, 2016** at the latest.

Presumed that the installation of the SFGas WG will be confirmed, it is intended to address a call for experts to the Sector Fora and further identified stakeholders. Please be prepared to reply to the nomination of experts. A kick-off meeting would be envisaged in April or May 2016 in the CCMC meeting facilities.

For any kind of question and contributions please do not hesitate to contact us.

We would appreciate your support for the placement of the WG within the Sector Fora.

Best regards

for SFGas Utilisation

for SFGas Infrastructure

Annex to consultation in CEN Sector Fora Gas Infrastructure and Utilisation (2016-01-25)

Continuation of M/400 Gas quality for completion of the full requirements of the mandate Proposal of creation of a joint WG under the umbrella of SFGas Infrastructure and SFGas Utilisation

Background

EN 16726 "Gas infrastructure – Quality of gas – Group H" elaborated within CEN/TC 234 is approved and is available for national publication and implementation since December 2015. As it has been published without Wobbe index solutions, the EU Mandate M/400 Gas quality is not completely fulfilled. Also other parameters remain subject to discussion.

Therefore, CEN is asked by the EU Commission DG Energy to provide full realization of the M/400 by enabling a consensus on the open issues and by providing a revised EN 16726 (Letter from EC DG Energy to CEN, 2015-01-20 /MF Conclusion 2015-10-14-15).

Therefore, the stakeholders had been invited to a "Brainstorming session on the launch of a Gas Quality Harmonization Pilot II"¹ which took place on 2015-11-18 in Brussels. It was aiming at the exchange of visions, ideas and needs regarding the next steps and to reflect possible approaches. This proposal takes the session results into account. (For details consult the session report distributed in parallel.)

The key factors for further harmonization of the gas quality are involvement of stakeholders from all parts of the gas chain, the respect of one another's concerns, the definition of clear objectives and methods to achieve these.

Proposal for the continuation of M/400

CEN is requesting to EC the formal continuation of M/400 proposing the following two phases:

1. Pre-normative phase in a common WG within SFGas Infrastructure + Utilization: preparation of the further development of EN 16726:2015 including elaboration of Wobbe index aspects and verification on requirements of sulfur (and others) (in the following called: Pre-normative phase)

Note: Sector Forum is open to all stakeholders; it is not allowed to carry out standardisation.

2. Normative phase within CEN/TC 234 WG 11: Revision of EN 16726:2015 **on the basis of the pre-normative work within the SFGas WG** (in the following called "Normative phase")

Note: Since the revision will take place according to the CEN/CENELEC standardisation rules and procedures in CEN/TC 234 WG 11 Gas quality, it is not subject to this document.

¹ EU GQ Harmonization Implementation Pilot I, installed by the EU Commission and convened by Marcogaz and EASEEGas reflected Wobbe index aspects with involvement of the five EU Member States Belgium, Denmark, France, Germany, Spain

"EU GQ Harmonization Pilot II", initiated by the EU Commission to be carried out by CEN, reflecting Wobbe index solutions and other gas quality issues open for all stakeholders in Europe

Pre-normative phase – Proposal

Title of the phase (and of SFGas WG)	"Pre-normative study of H-gas quality parameters"
Objective and scope	Support of completion of M/400 by <ul style="list-style-type: none"> • provision of an objective evaluation basis for deduction of commonly accepted requirements for gas composition parameters not yet covered or insufficiently covered in EN 16726, at least on Wobbe index aspects and sulfur • provision of fact based recommendations for the revision of EN 16726, especially for a harmonized range in Wobbe index suitable that is acceptable to all CEN countries • identification of further action need, if any
Methodology (the given items might be tackled in parallel)	(a) Clear agreement on the objectives, subjects and method (and expectations) within the scope of this project (b) Alignment and definition of the understanding of safety and performance of appliances (c) Identification of the necessities of the different parts of the chain (d) Mapping of and analysis of technical experiences and study results for the defined subjects at least <ul style="list-style-type: none"> • Wobbe index related to infrastructure and all appliance types (range/variations/speed of change/impact of renewables etc) • Total Sulfur, (e) Mapping of national legal and technical framework (legislation, regulation, practice, appliances/applications) (f) Elaboration of recommendations for requirements on the specified subjects for inclusion in EN 16726 in the normative phase (g) identification of lack of information/elaboration of work program for further needs of R&D
Subjects to be treated	<ul style="list-style-type: none"> • Wobbe index • Total sulfur in distributed gas Others to be defined (see above)
Expected deliverables	Reports summarizing the evaluation of the technical problems and indicating recommendations for requirements in EN 16726 revision
Stakeholders	<ul style="list-style-type: none"> • CEN Members (NSB)/subject related CEN/TCs • (European) organisations/experts of: <ul style="list-style-type: none"> – gas producers (natural gas, biomethane, H2, other renewables...) – shippers/traders – operators (grid, storage and LNG) – appliance manufacturers (domestic/industrial) – appliance operators (especially industrial operators; for domestic it is necessary to involve national authorities to collect opinions)

	<p>of residential customers)</p> <ul style="list-style-type: none"> – EU bodies EC, ACER, ENTSOG – national authorities: Regulatory authorities, Ministries in charge of safety – third party organisations (service companies, maintenance organisations....) – metrology authorities – research institutes – end user organisations <p><i>Support by EU Commission for identification/actual involvement of stakeholders might be needed.</i></p>
Working methods	<ul style="list-style-type: none"> • Experts meeting/telcons • Experts and/or consultants analysis of study results/experiences from national and European stakeholders /interviews with national/European project leaders • Workshops, also with a broader stakeholder group (possibly resulting in CEN Workshop Agreements) • Documentations/reporting • Electronic document management (appropriateness of DIN Livelink in verification)

Structure to carry out the pre-normative phase:

Structure	Functions:
<p>Sector Forum Gas Working Group (SFGas WG) = Representatives of the stakeholders</p>	<ul style="list-style-type: none"> • Steering and coordination of the work program • Definition of working methods and priorities within the project • Monitoring of Task Groups • Decision taking <p>A broad call for experts will be launched as soon as the installation of the WG is confirmed by SFGas (Infrastructure + Utilization).</p>
<p>Chairman Advisory Group (CAG) = Representatives of the different stakeholder groups (about 10 persons)</p>	<ul style="list-style-type: none"> • Advising the WG, Chair and Secretariat related to the work program, project issues and meetings • Preparation of draft reports/documents on the basis of the WG and TG results and input for communication to the EC (to be approved by WG) with support of third party consultancy. <p><i>This CAG aims at actively and appropriately involve the different parts of the chain in the work and to include them into the responsibility for the processes and results.</i></p>
<p>External Consultancy (JRC involvement is in verification)</p>	<ul style="list-style-type: none"> • Provision of evaluation and analysis of available technical documentations and study results (e.g. national, from the parts of the chain); • Support in reporting and project management
Task Groups	<ul style="list-style-type: none"> • Treatment of specific project subjects (to be defined)

	<ul style="list-style-type: none"> • Drafting reports • Reporting to the WG <p>Note: For convenorship/secretariat a call for candidates will be launched once the WG exists.</p>
Secretariat (WG + CAG):	<ul style="list-style-type: none"> • Administration <p><i>DIN Secretariat (Hiltrud Schülken, DVGW) is proposed.</i></p>
Chair (WG + CAG)	<ul style="list-style-type: none"> • Moderation of the process/project <p><i>NBN Chair (Kris De Wit, ARGB) is proposed</i></p>
Budget:	<p>The request for funding is in process according to the CEN Rules; funding of the external consultancy, the workshops and administration (Secretariats) of the WG, CAG and TGs is expected.</p> <p>According to EC DG Energy, financing of tests and R&D are not foreseen.</p>
Duration of the pre-normative phase	<p>3 years (evaluation in co-operation with EC is necessary before starting the normative phase)</p>

The efficient work of the SFGas WG relies on the contributions of the stakeholders. Therefore, national coordination involving all national interested parties (including national authorities) as well as coordination of the involvement of stakeholder groups – via European associations or others – are of crucial significance. This is in the responsibility of the stakeholders.

Continuous support by EC in the process is confirmed by DG Energy.