



Workshop Biomethane Trade

CEN/TC 408 Project
committee : Biomethane
for transport and injection
Mandate M/475

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afnor
NORMALISATION



- **M/475 Mandate given to CEN for standards for biomethane for use in transport and injection in natural gas pipelines**
 - ◆ Object : Biomethane for use in transport and injection in natural gas pipelines
 - ◆ Directive : [2009/28/CE](#) Promotion of the use of energy from renewable sources
 - ◆ Aim : Development of the use of biomethane
 - ◆ Needs : Specifications (parameters and values) for the biomethane
 - ◆ Origin : European Commission – DG Energy (Dr. Kyriakos Maniatis)
 - ◆ Text of the mandate :
http://ec.europa.eu/enterprise/standards_policy/mandates/database/index.cfm?fuseaction=search.detail&id=459

Set up of a dedicated CEN/PC : Why ?



The proposed agreement between :

- **CEN/TC 19 Fuels** and
- **CEN/TC 234 Gas infrastructure** (which had a dedicated WG for injection of biogas into natural gas networks since 2007)

would have led to distinct (and therefore diverging) requirements depending on use.

- Many comments during the CEN/BT consultation on the acceptance of the Mandate.
- Second CEN/BT Consultation resulted in the set up of **CEN/TC 408 (Project Committee)**
- **Chairman : Erik BÜthker (NL)**
- **Secretary : Charles-Pierre Bazin de Caix (AFNOR, FR)**



- **Scope :**

- ◆ *In the frame of mandate M/475, **standardisation in the field of biomethane specifications**, for use as a **fuel for vehicle engines and injection in natural gas grid**. CEN/TC 408 does not focus on its production process or source nor the origin of the source. This excludes the specification on other gases than biomethane*

- **Work programme:**

- ◆ Mandated :
 - WI 00408001 prEN Biomethane - Specifications for use as a fuel for vehicle engines and injection into the natural gas grid.
 - WI 00408002 prEN Biomethane – Determination of the concentration of biomethane in natural gas pipelines.
- ◆ According the needs :
 - WI 00408003 prEN Biomethane – Determination methods

CEN/TC 408

Participation



- **18 Countries :**

- ◆ Austria (ASI), Belgium (NBN), Bulgaria (BDS), Czech Republic (UNMZ), Denmark (DS), Finland (SFS), France (AFNOR), Germany (DIN), Great Britain (BSI), Greece (ELOT), Italy (UNI), Latvia (LVS), Norway (SN), Slovenia (SIST), Slovakia (SUTN), Spain (AENOR), Sweden (SIS), United-Kingdom (BSI)

- **7 liaisons with EU organisation :**

- ◆ NGVA, AFECOR, FARECOGAZ, GIE, ENTSOG, MARCOGAZ, EBA

- **3 Liaisons with technical committees :**

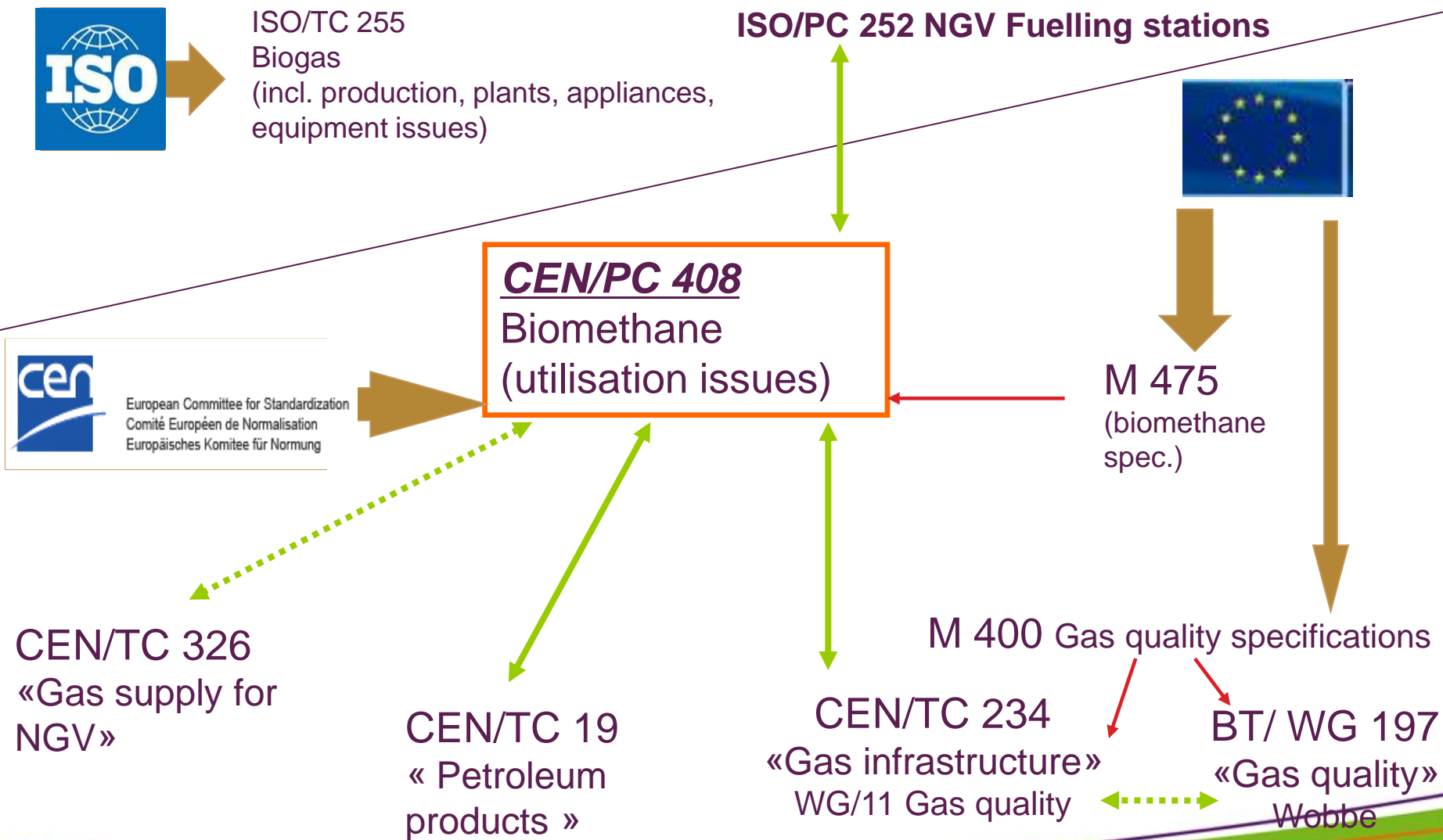
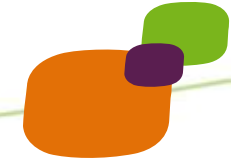
- ◆ CEN/TC 19, CEN/TC 234 and WG 11, ISO/PC 252

- **Stakeholders :**

- ◆ Car manufacturers, Grid operators, Biomethane producers, Fuel producers, Natural gas suppliers, Manufacturers of gas fuelling stations

CEN/TC 408 Environment

Biomethane Mapping Standardisation structures





- **The aim : To ease the development of the use of biomethane**

- **Biomethane specifications: which parameters? Which levels?**
 - ◆ One standard covering the different uses
 - 2011-09-16, 1st meeting : drafting the first list of parameters for transport and injection

 - 2011-12-07, 2nd meeting :
 - listing the necessary parameters
 - Identification of test methods,
 - Homework : first set of values, for a merging attempt at the March meeting



- Determination method of bio content
 - ◆ Problem: Required by European Commission, but instantaneous measurement technically meaningless
 - ◆ Alternative ? Certificates (as in electricity)

- Coordination with other structures
 - ◆ Liaisons, so as to avoid overlapping issues
 - ◆ Mandates M475 states:
 - « The specification shall exclude the definition of any parameters or substances that are addressed in M400.»
 - ☞ **Several characteristics will be defined by M400 (CEN/TC 234/WG 11) and not by M475 (CEN/TC 408).**



- Various political objectives and European Directives
 - ◆ Renewable (2009/28/EC), opening of the gas markets (2009/73/EC) and fuels (98/70/EC, 2005/55/EC).
 - ◆ Need for political arbitrage
- Avoid technical barriers to trade
 - ◆ Common language with a same standard in the 32 CEN Members (UE 27+5)
 - ◆ Parameters and levels are to be based on experience, technical and scientific evidence : present disposals in national regulations show a too wide spectrum

Contacts



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