

# **WORK OF OTHER ISO TECHNICAL COMMITTEES**

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G.Trican, Perth, February 2009



# ISO STANDARDS FOR OIL AND GAS INDUSTRY

Several ISO technical committees cover “energy” (and related) sectors.

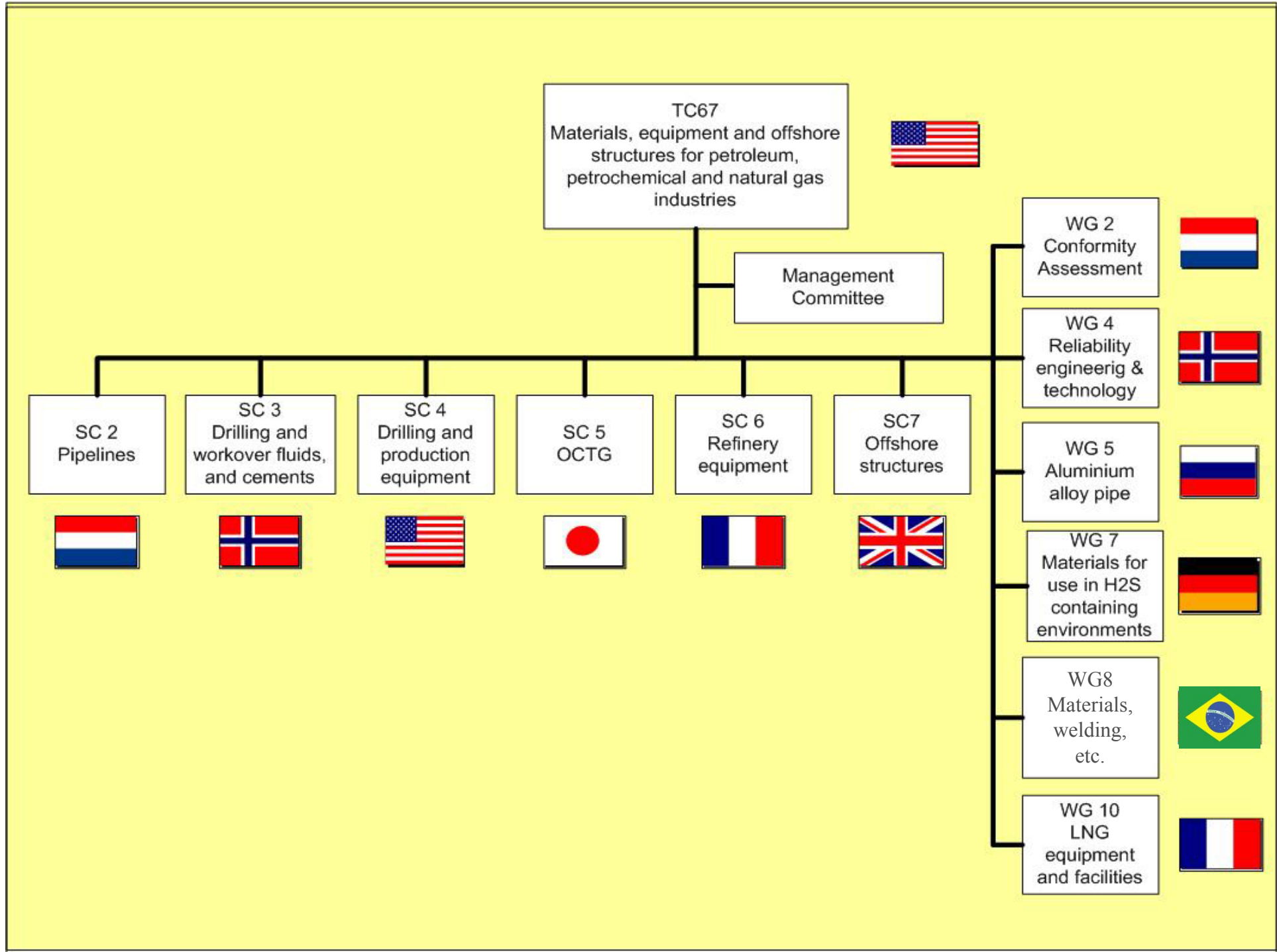
- ▶ **ISO/TC 67** (*was presented yesterday*)

*Today we will introduce 2 “product” TCs :*

- ▶ **ISO/TC 193** – Natural gas
- ▶ **ISO/TC 28** – Petroleum Products

*and also for illustration 2 “equipment” TCs :*

- ▶ ISO/TC 118/SC 1 - Compressors
- ▶ ISO/TC 153/SC 1 - Valves



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# ISO/TC 193      NATURAL GAS

created in 1988

**Scope:** standardization of terminology, quality specifications, methods of measurement, sampling, analysis and test for natural gas and natural gas substitutes (gaseous fuel), in all its facets from production to delivery to all possible end users

**Vision:**

- Global standards used locally worldwide

**Mission:**

- to create value-added International standards for Natural Gas to support the liberalization of the gas markets, the energy efficiency, the environment protection and safety

**Key Values:**

- Harmonization of quality requirements: clear agreements about the measurements of volume and quality (e.g. calorific value) of the gas; accuracy of measurements
- The development and maintenance of the standards for allocation of the presence of solids and liquids in the gas (for the upstream industry)
- ISO/TC 193 standards - supporting tools for delivery contracts of natural gas.
- ISO/TC 193 standards - supporting tools for regulations in the field of natural gas.

# Members of ISO/TC193 Natural Gas

## 24 Participating (P) Members:

Austria (ON), Belgium (NBN), China (SAC), Czech Republic (CNI), Egypt (EOS), France (AFNOR), Germany (DIN), Hungary (MSZT), India (BIS), Italy (UNI), Kazakhstan (KAZMEMST), Kenya (KEBS), Korea (KATS), Norway (SN), Qatar (QS), Poland (PKN), Russian Federation (Rostechregulirovanie), Spain (AENOR), Thailand (TISI), Trinidad and Tobago (TTBS), USA (ANSI), Ukraine (DSSU), United Kingdom (BSI)

## 29 Observer (O) Members:

Argentina (IRAM), Bosnia and Herzegovina (BAS), Brazil (ABNT), Canada (SCC), Chile (INN), Croatia (HZN), Cuba (NC), Côte-d'Ivoire (CODINORM), Denmark (DS), Finland (SFS), Hong Kong, China (ITCHKSAR), Iraq (COSQC), Ireland (NSAI), Japan (JISC), Lithuania (LST), Malaysia (DSM), Moldova, Republic of (MOLDST), Mongolia (MASM), New Zealand (SNZ), Oman (DGSM), Portugal (IPQ), Serbia (ISS), Singapore (SPRING SG), Slovakia (SUTN), Sweden (SIS), Switzerland (SNV), Tunisia (INNORPI), Turkey (TSE)

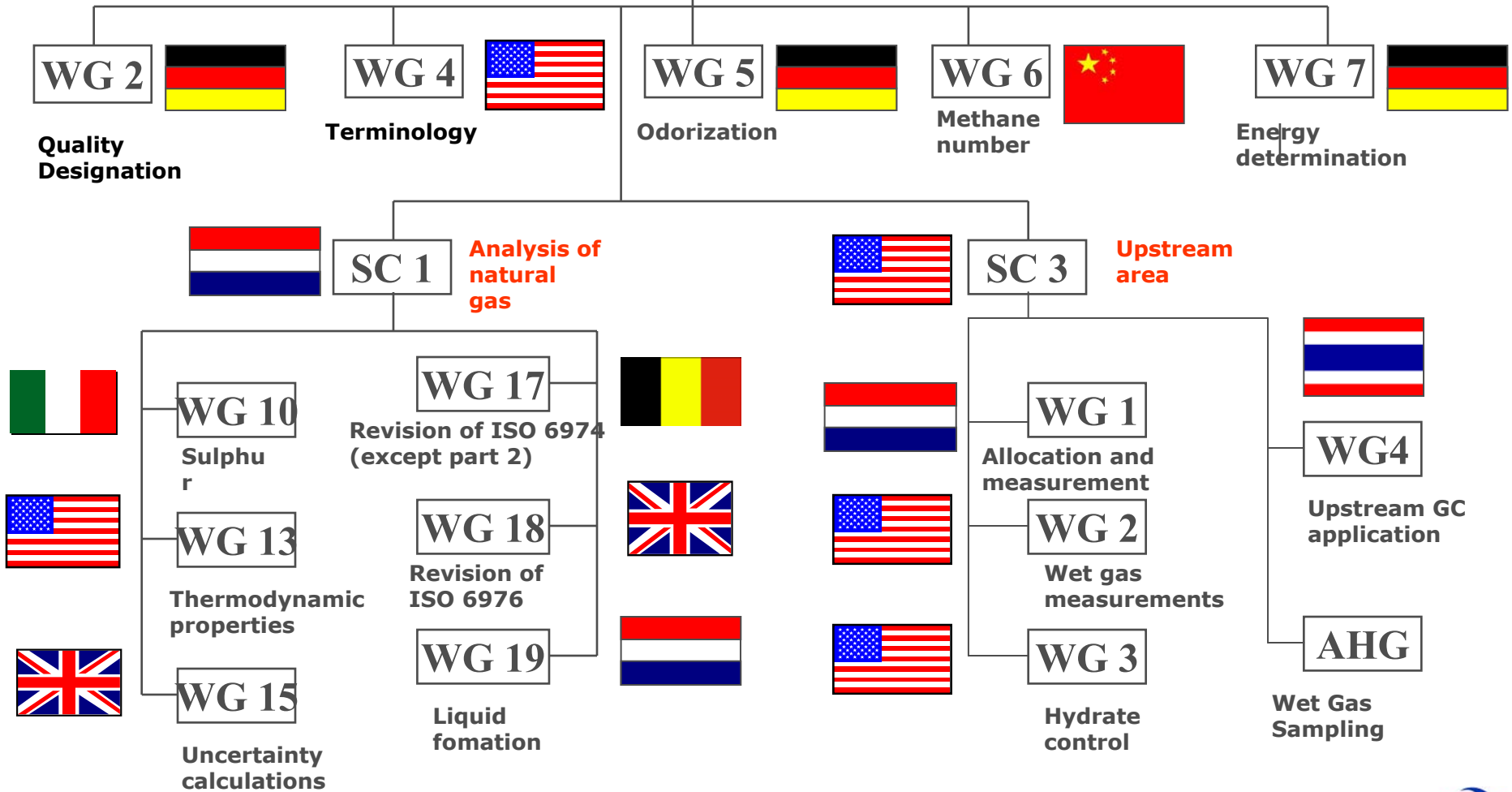
# ISO/TC193 Natural Gas



ISO/TC193

Chairman: Mr. Lex Scheers

Secretariat: Mr. Pim Bijl (NEN)



## ISO/TC 193 Standards **Work in Progress**

- **Total** number of published ISO/TC193 standards : **37**
- Number of published ISO standards under the direct responsibility of the ISO/TC193 Secretariat: **7**
- Number of published ISO standards under the responsibility of SC1  
Analysis of natural gas: **30**
- Number of published ISO standards under the responsibility of SC3  
Upstream area: **1**      Allocation of gas and condensate
- **Total** number of work-in-progress items (incl. “in-revision”): **27**
- Number of work-in-progress items (incl. “in-revision”) under the direct responsibility of ISO/TC 193: **8**
- Number of work-in-progress items (incl. “in-revision”) under the responsibility of SC1: **14**
- Number of work-in-progress items under the responsibility of SC3: **4**  
including wet gas measurements

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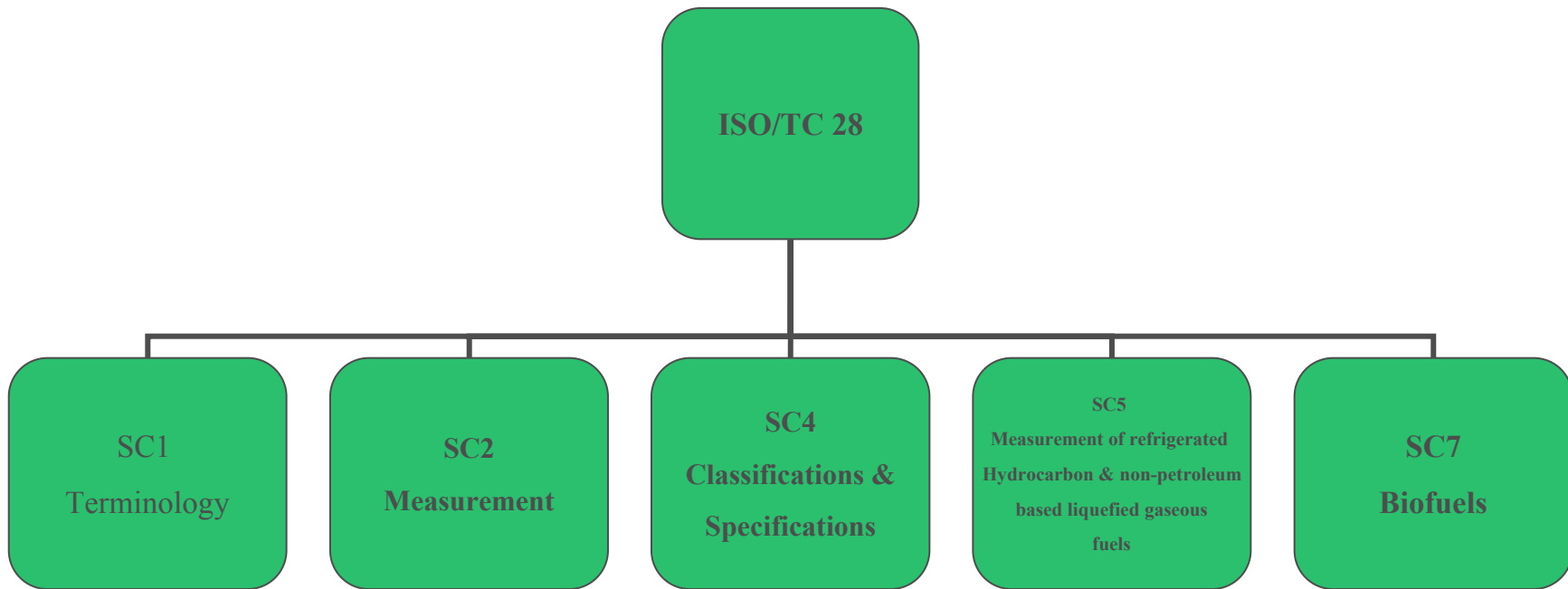
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# ISO/TC 28 : PETROLEUM PRODUCTS



# ISO/TC 28

## SCOPE :

Terminology, classification, specifications, methods of sampling, measurement, analysis and testing for :

- ▶ Petroleum
- ▶ Petroleum products
- ▶ Petroleum based lubricants and hydraulic fluids
- ▶ Non-petroleum based liquid fuels
- ▶ Non-petroleum based lubricants and hydraulic fluids.

# ISO/TC 28

## METRICS :

- ▶ **P- Members : 30 countries**
- ▶ **O- Members : 56 countries**
- ▶ **Number of ISO standards published : 232**  
(out of which 118 are under direct responsibility of TC)
- ▶ **6 active Working Groups reporting directly to TC**

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# OTHER ISO/TC AND SC : ISO/TC 118/SC 1

This sub-committee deals with **compressors** for the Petroleum and Natural Gas industries.

Work is performed jointly with **ISO/TC 67/SC 6** (Refinery equipment).

Published standards include positive-displacement compressors, reciprocating compressors, air compressors, etc.

Under development is ISO/NP 10439 on Centrifugal compressors

# OTHER ISO/TC AND SC : ISO/TC 153/SC 1

Within the **“Valves”** TC, Sub-Committee SC 1 scope relates to :  
design, manufacture, marking and testing.

Within TC 153/SC 1, a number of Working Groups are of particular interest for our Industry :

- ▶ **WG 1 : Valves for Petroleum industry**
- ▶ **WG 6 : Fire resistance test for valves**
- ▶ **WG 10 : Fugitive emissions**
- ▶ **WG 11 : Ball valves**
- ▶ **WG 13 : Valves for low temperature applications**

# CONCLUSION

**In addition to the “main” Technical committees where we are directly involved, it is important to keep informed of the work done in a number of other TCs, and also to participate in the development of standards through Joint-Working Groups (JWG).**

*Thank you for your attention*