

European Gas Transmission Industry

Gas Infrastructure Standardization





Introduction

Providing information on the European natural gas transmission industry and their standardization

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Content

- CEN/TC 234 facts
- Pending projects





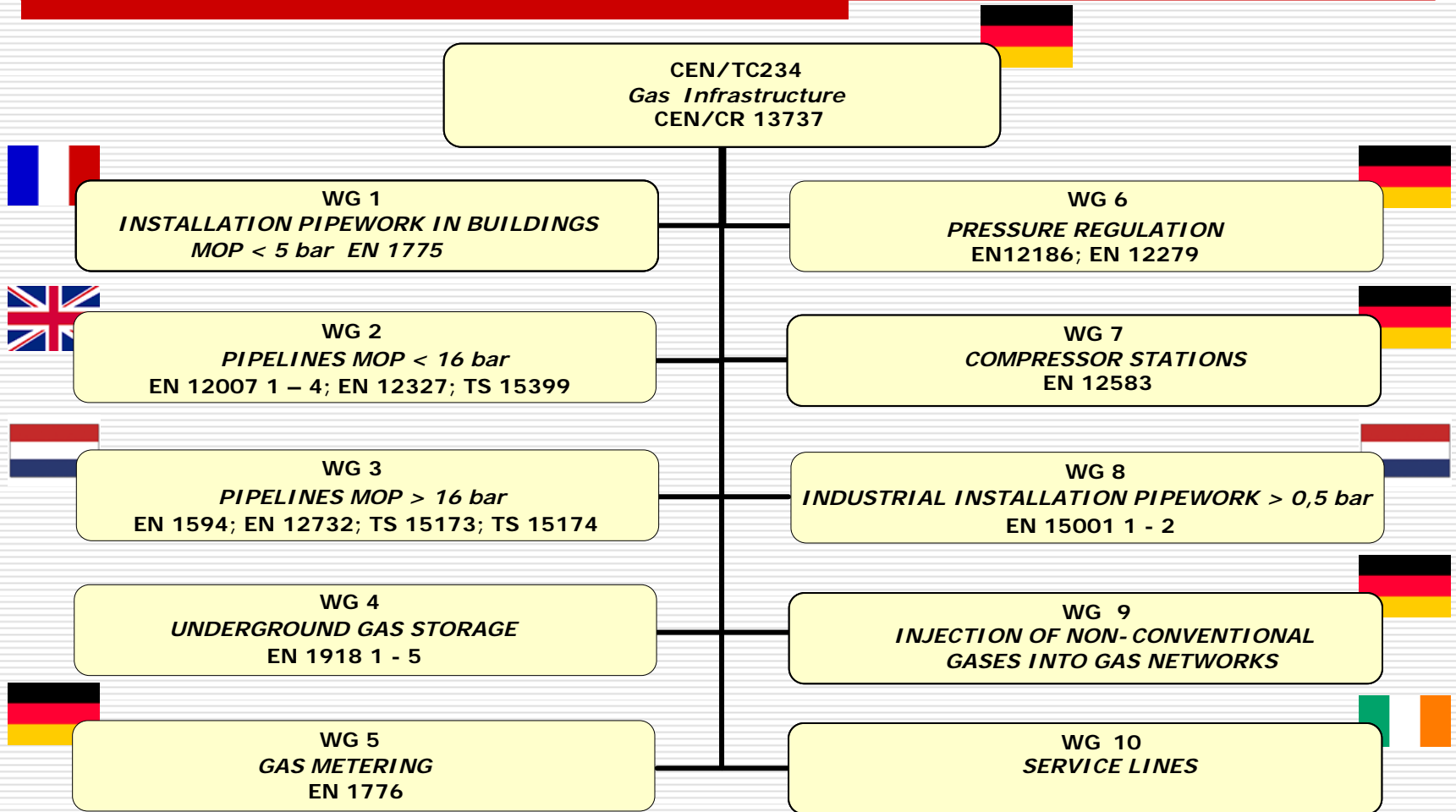
CEN/TC234 Scope

STANDARDIZATION OF FUNCTIONAL
REQUIREMENTS IN THE FIELD OF
GAS INFRASTRUCTURE FROM THE
INPUT OF GAS INTO THE ONSHORE
TRANSMISSION NETWORK UP TO
THE INLET CONNECTION OF THE
GAS APPLIANCES



CEN/TC234

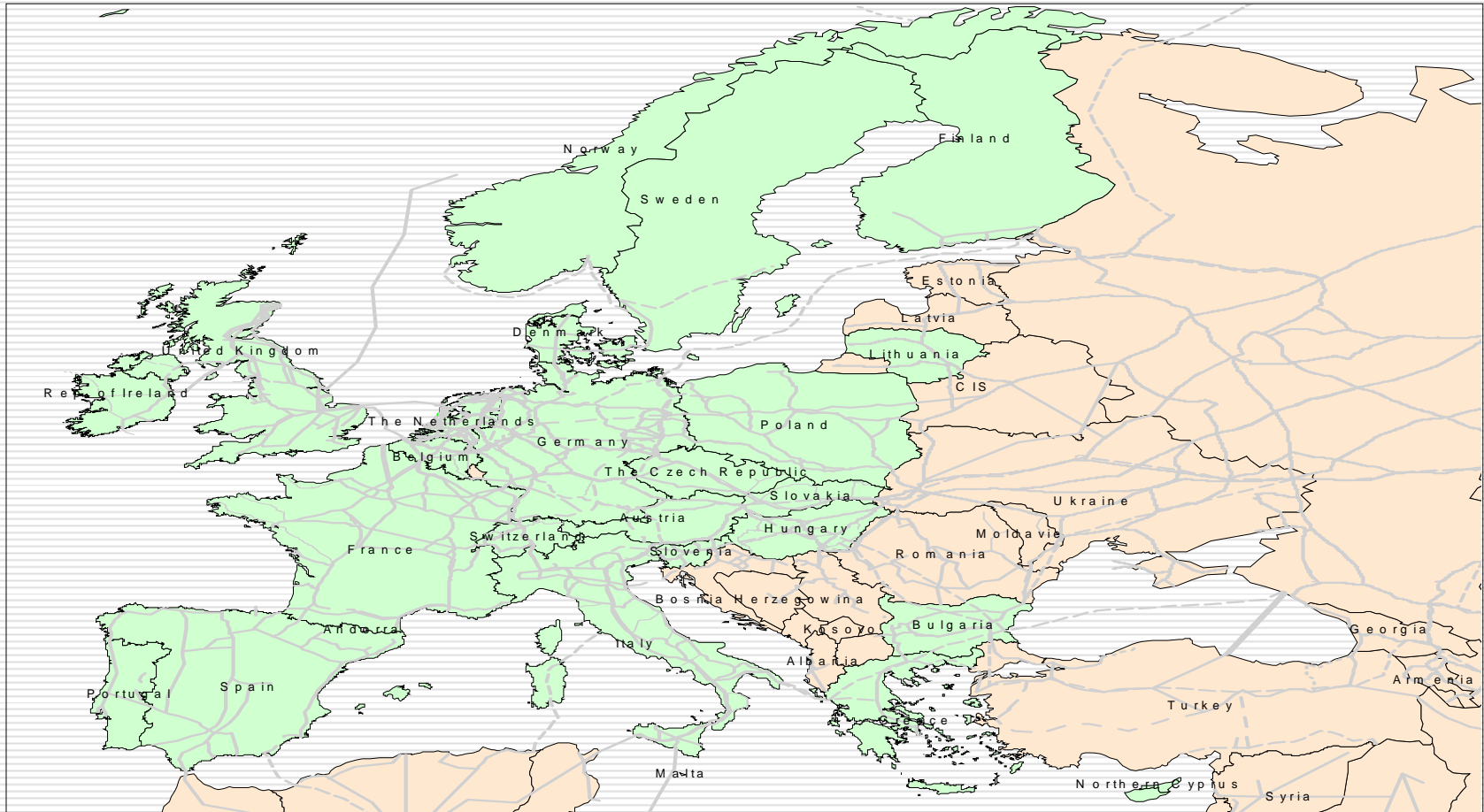
Organization chart





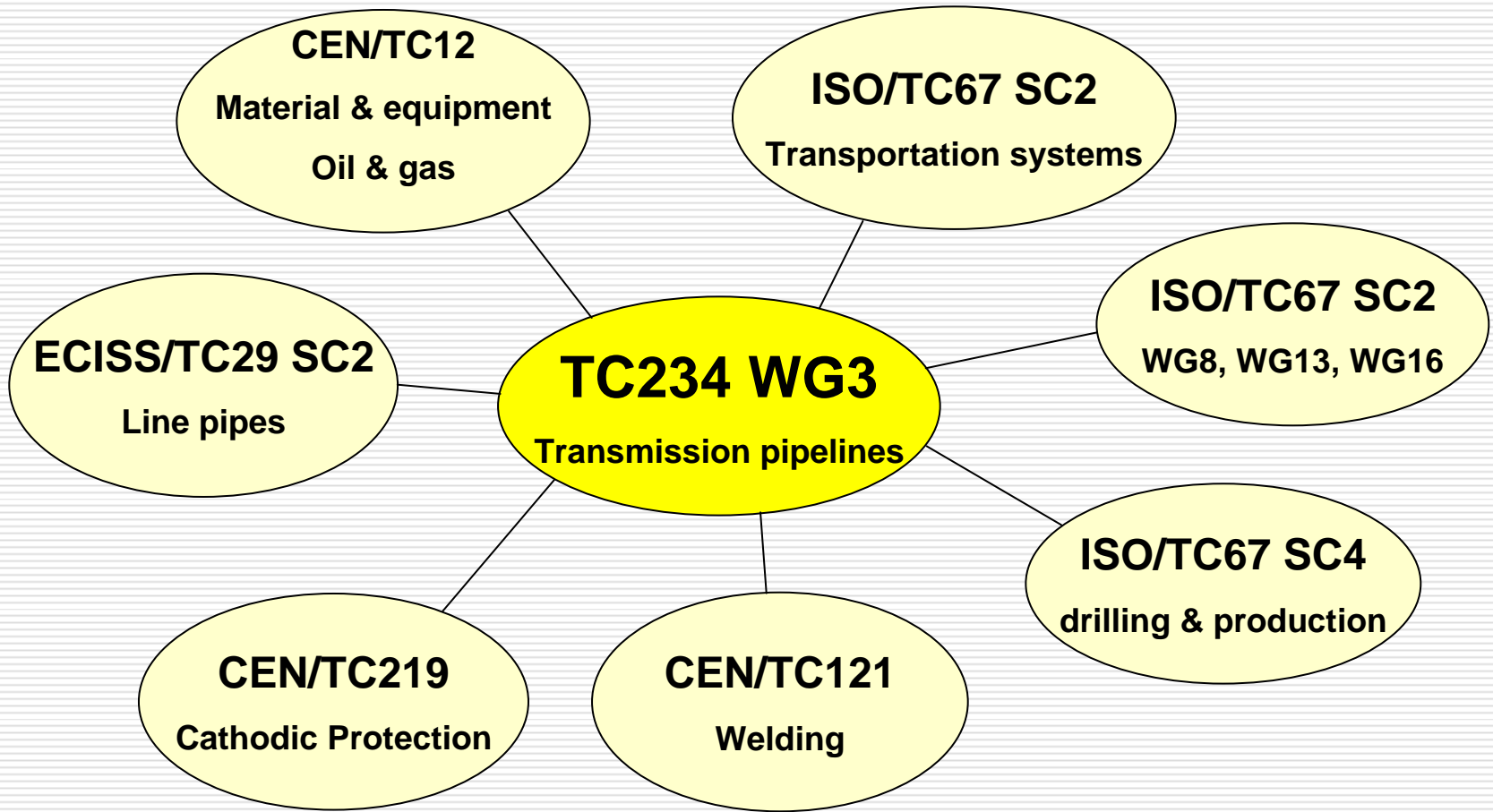
CEN/TC234

24 participating member states





CEN/TC234 WG3 liaisons





CEN (on land) versus ISO standards

	EN	ISO
Linepipe	10208	3183
Pipelines DP > 16 bar (transmission)	1594	13623
Pipelines DP < 16 bar (distribution)	12007	13623
Pipeline welding	12732	13847
Pipeline valves	14141	14313
Cathodic protection	12954	15589
Induction bends, fittings and flanges	14870	15590
Mechanical connectors	21329	21329 (harmonised)
Underground Gas Storage	1918	
Safety management	TS15173	
Gas metering	1776	
Compressor stations	12583	
Gas pressure reduction and metering stations	12186	
Pressure testing and commissioning	12327	



Pending projects (1)

- Reactivation WG4 “Underground Gas Storage” review EN 1918
- Revision EN 12732 (welding steel pipework)
- ISO 13847 Welding: Participation in the revision process
- Revision EN 12327 (testing and commissioning gas pipelines)
- Revision EN12583 (compressor stations)
- Published EN 15001-1 and 2 (detailed functional requirements for Industrial Gas installations pipework over 0,5 bar and non-industrial over 5 bar), Harmonized under PED



Pending projects (2)

- Revision EN12186 and EN12279 (pressure regulation)
 - Conversion CEN/TS 15173 and 15174 into an EN standard on Pipeline Safety and Integrity management
 - Drafting a Technical Specification: Injection of non conventional gases in transmission and distribution networks
 - Revision of the Technical Report: Pressure definitions for the Gas Infrastructure
 - Participation in the elaboration of the European gas Network Code
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Highlights

- Revision EN 12732
prEN Enquiry stage has started September 2009

- Harmonization EN 12732 and ISO 13847
 - 4 EU welding experts are participating in ISO WG8
 - In a very good atmosphere the jointed approach was focussed at a possible harmonization.
 - Possible show stoppers:
 - Pressure grouping
 - Production welds Destructive Examination (DE)

- Harmonization Line pipe standards
 - EN 10208 and ISO 3183
 - EPRG comparison report has been finalized, discussion with ISO starting soon



European gas Network Code

- network **security and reliability** rules;
- **network connection** rules;
- third party access rules;
- data exchange and settlement rules;
- interoperability rules;
- **operational procedures in an emergency**;
- capacity allocation and congestion management rules;
- rules for trading related to technical and operational provision of network access services and system balancing;
- transparency rules;
- balancing rules including network related rules on nominations procedure, rules for imbalance charges and rules for operational balancing between TSOs' systems;
- rules regarding harmonised transmission tariff structures;
- **energy efficiency** regarding gas networks



**Thank you for
your attention**



CEN/TC234

24 participating member states

- Austria
- Belgium
- Bulgaria
- Cyprus
- Czech Republic
- Denmark
- England
- Finland
- France
- Germany
- Greece
- Hungary
- Ireland
- Italy
- Lithuania
- Netherlands
- Norway
- Poland
- Portugal
- Slovakia
- Slovenia
- Spain
- Sweden
- Switzerland