



24th World Gas Conference
ARGENTINA | 2009
5-9 October

The Global Energy Challenge:
Reviewing the Strategies
for Natural Gas

GAS QUALITY STANDARDS IN THE EUROPEAN UNION

**The need to develop European gas quality
standards to achieve market integration
and a competitive gas appliance market**

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THIRD INTERNAL ENERGY MARKET PACKAGE

- Effective unbundling of Transmission System Operators
- Independence of National Regulatory Authorities
- Agency for the cooperation of NRAs
- European Network of TSOs (ENTSOG)



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GAS QUALITY HAS ALWAYS BEEN AN ISSUE...

- High-level group on Competitiveness, Energy and the Environment
- MEP Vidal-Quadras in a reaction to the Commission's report
- 1st European Regulatory Forum for Gas in 1999
- EASEE-gas CBP



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...AND BECOMES MORE AND MORE IMPORTANT

- Markets & networks integrate
 - Imports increase
 - Suppliers diversify sources
 - Flows become more flexible and unpredictable
- TSOs have ability and Suppliers have liability – but both lack information



... BUT IT HAS NOT BEEN SOLVED

- CBP ends at the border
- Gas ends at the burner tip
- What is the effect on appliances?

→Mandate to CEN to develop GQ standards

→Assess effects on the whole gas chain

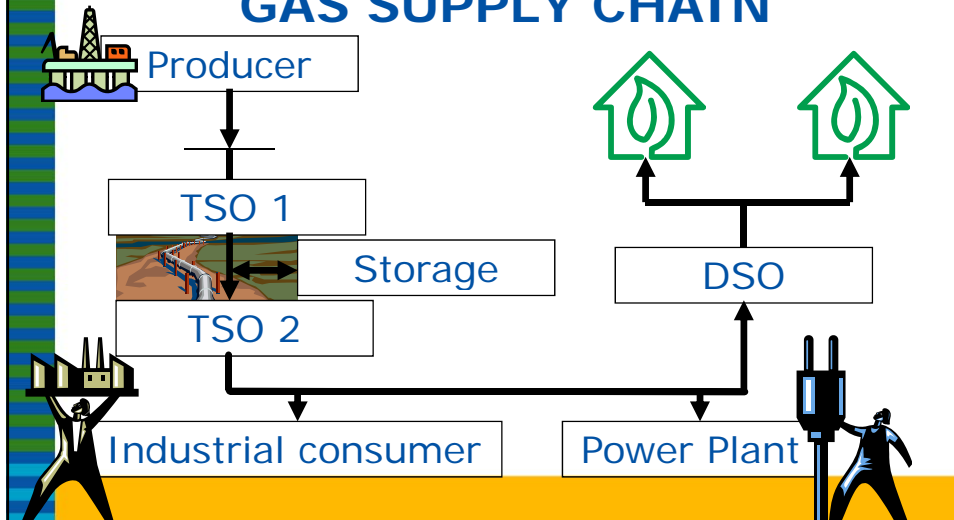


PARAMETERS – EASEE-GAS CBP

Wobbe Index	kWh/m ³	13.6	15.81
Relative density	m ³ /m ³	0.55	0.700
O ₂	mol %	-	0.01
S	mg/m ³	-	30
H ₂ S + COS (as S)	mg/m ³	-	5
RSH (as S)	mg/m ³	-	6
CO ₂	mol %	-	2.5
H ₂ O DP	°C at 70 bar	-	- 8
HC DP	°C at 1- 70 bar	-	- 2



GAS SUPPLY CHAIN



POLICY FRAMEWORK I

- **Competition**
 - Gas supply market
 - Gas appliance market
 - Industry that uses gas as feedstock
- **Security of Supply**
 - Long-term: supply to the EU
 - Short-term: response to crises



POLICY FRAMEWORK II

- Sustainability
 - Gas as back-up fuel to renewables
 - Gas as cleanest fossil fuel
 - Efficiency of appliances
- Safety



CEN MANDATE & COST BENEFIT ANALYSIS

- Testing of appliances
 - Including installation and maintenance
- Costs and benefits of harmonisation for the whole chain
 - Scenarios of gas flows and sources
 - Indicators for the whole chain based on policy framework



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CONCLUSION

- Gas quality needs a standard
- Analyse effect on whole gas chain
- CBA to find optimal allocation of costs
- Clarify responsibilities
- Standards for the future!



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**THANK YOU
FOR YOUR
ATTENTION**



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http://ec.europa.eu/energy/gas_electricity/index_en.htm