

EASEE-gas



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*Madrid,
May 18, 2006*

Comments and responses from Madrid Forum participants to the ***EASEE-gas Gas Quality CPB***

**Presentation to 11th Madrid Forum,
18 May 2006**

Wim Groenendijk
Chairman EASEE-gas Executive Committee

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Conclusions Madrid X:

The Forum “invited participants including Member States and relevant national authorities to analyse the consequences of the implementation of the CBP on gas qualities with a view to enabling EASEE-gas to present to the next Forum the challenges involved in reaching implementation”.

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Timeline:

16/9/2005	Invitation Madrid Forum
15/11/2005	Reminder letter by EASEE-gas
13/12/2005	Marcogaz workshop on gas quality
06/03/2006	Reminder letter by EASEE-gas
18/05/2006	Presentation by EASEE-gas
01/10/2006	CBP Milestone non-combustion prop.
01/10/2010	CBP Milestone Wobbe Index et al.



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CBP 2005-01 Harmonisation of Gas Qualities

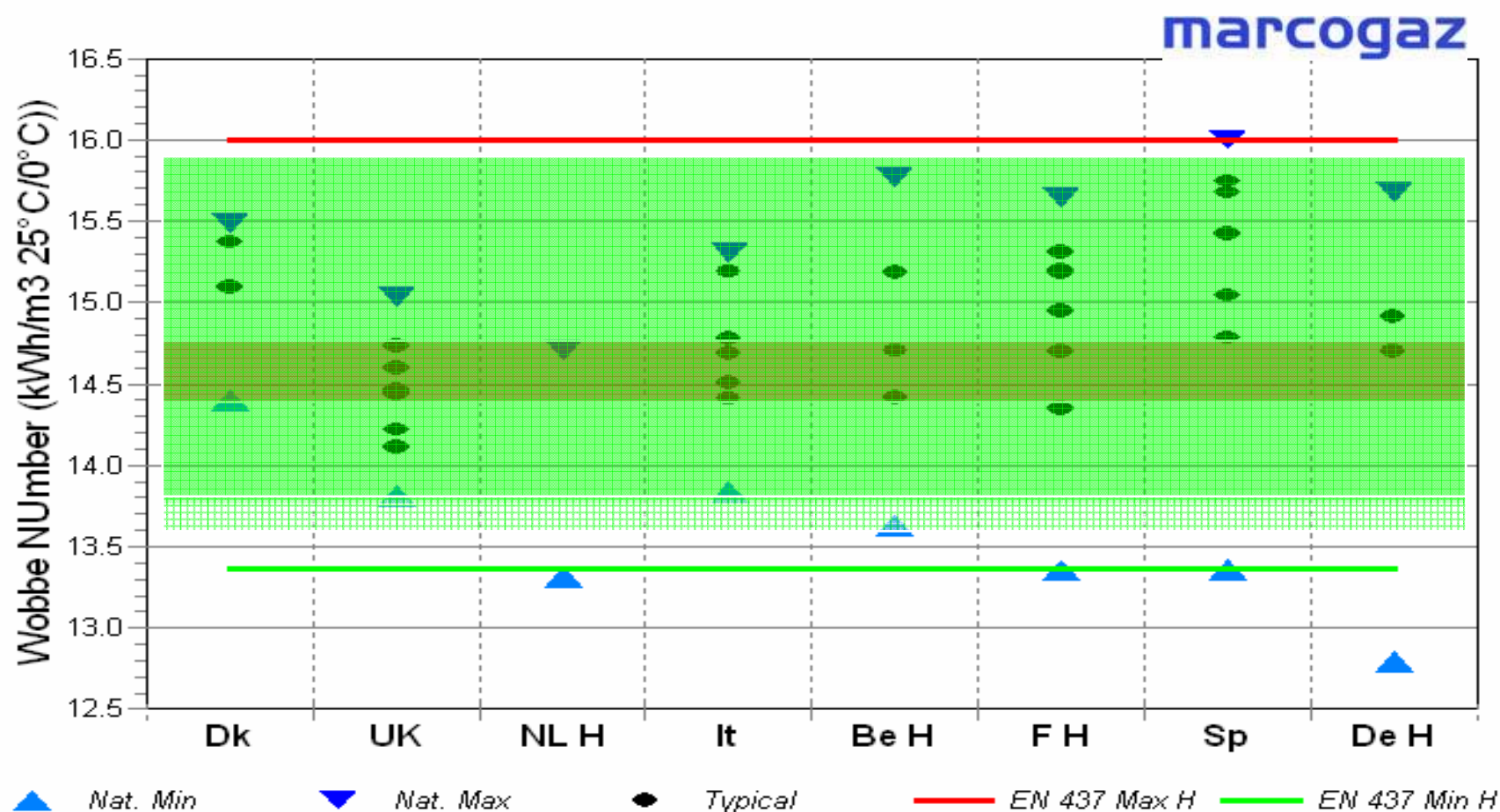
- The CBP recommends natural gas quality specifications at cross border points in Europe and describes recommended gas quality parameters, parameter ranges and an implementation plan.
- Natural gas arriving at cross border points in line with these proposed quality specifications can not be refused for quality reasons.
- The CBP does not in any way restrict parties at a cross border point in agreeing other specifications.

Approved parameters, values and ranges

Parameter	Unit	Min	Max	Recommended implementation date
WI	kWh/m ³	[13.60]	15.81	1/10/2010
d	m ³ /m ³	0.555	0.700	1/10/2010
Total S	mg/m ³	-	30	1/10/2006
H ₂ S + COS (as S)	mg/m ³	-	5	1/10/2006
RSH (as S)	mg/m ³	-	6	1/10/2006
O ₂	mol %	-	[0.01]*	1/10/2010
CO ₂	mol %	-	2.5	1/10/2006
H ₂ O DP	°C at 70 bar (a)	-	- 8	See note **
HC DP	°C at 1 – 70 bar (a)	-	- 2	1/10/2006

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The Gas Quality Harmonisation Common Business Practice









EASEE-gas OVERVIEW (1)



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Participant	Country / representatives	Status of response	Comments/ points of concern
Gassco	 Norway	OK	
Ministry of Sustainable Development	 Sweden	OK	
Dutch Ministry of Econ. Affairs	 The Nether- lands	OK	In longer term, technical adjustments may be needed at consumer sites
CREG	 Belgium	OK	Provided CBP is actually implemented as per agreed dates
Ministry of Transport and Energy	 Denmark	CONCERNS	Only limited adjustments to Danish parameters. Range for combustion properties considerably wider
DTe	 The Nether- lands	CONCERNS	Wobbe range too wide, specification for total sulphur too high

EASEE-gas OVERVIEW (2)



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Participant	Country / representatives	Status of response	Comments/ points of concern
CNE	 Spain	CONCERNS	Wider margins for Wobbe Index & dew point; some LNG sources exceed EASEE-gas Wobbe Index upper limit
E-Control	 Austria	CONCERNS	Wobbe Index and relative density; Total Sulphur concentration; Water dew point
DTI	 UK	CONCERNS	DTI has recently held a consultation on gas quality; early indications point at a strong case to maintain present gas quality limits in the UK

EASEE-gas OVERVIEW (3)



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Participant	Country / representatives	Status of response	Comments/ points of concern
Verbundnetz Gas AG	 Germany	OK	
Total	 France	OK	No action in case cross- border specs less stringent than CBP
Gaz de France	 France	OK	No action in case cross- border specs less stringent than CBP
Eurelectric	 EU	CONCERNS	Methane content, hydrocarbon and inert gases, Wobbe Index
Sedigas	 Spain	CONCERNS	Modified text CBP being proposed to mitigate concern on LNG upper limit Wobbe Index
WINGAS	 Germany	Reservation	Fully support CBP, but reservation with respect to deadline in Art. 6 of CBP.

EASEE-gas Observations



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For 2006 milestone few concerns:

- Dew point range may require additional investment in some instances
- Total sulphur limit of 30 mg/m³ lower than in most contracts (up to 150 mg/m³) but still quoted as a concern

For 2010 milestone concern on Wobbe Index:

- Too wide/too narrow
- Safety implications for households
- Performance (industrial consumers)

EASEE-gas Use of the CBP and its values

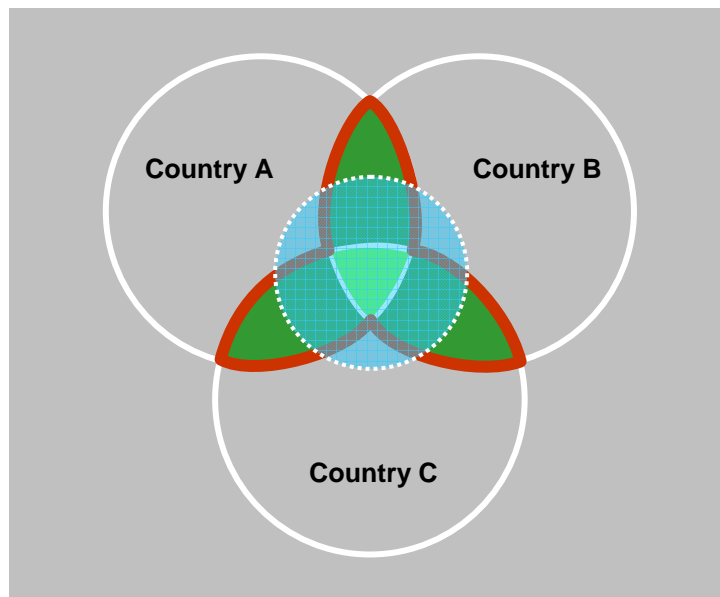


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- At cross-border points where more *relaxed* specifications are currently used, these can be maintained
- At cross-border points where more *stringent* specifications are currently used, these should be relaxed

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EASEE-gas Increasing interoperability



 Bilateral agreements

 Interoperability at EU Level

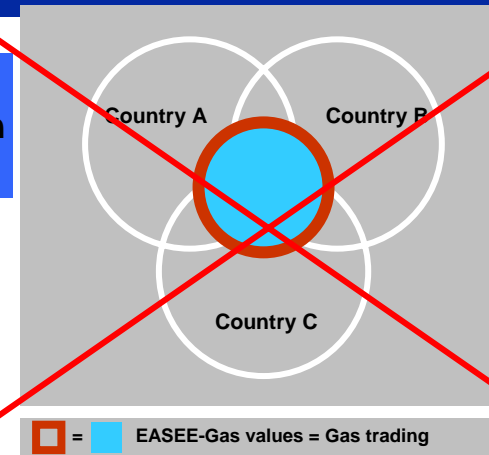
 Gas trading area

 EASEE-Gas values

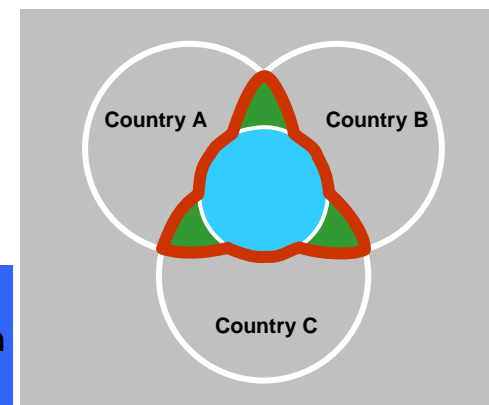
Effect of the
CBP implementation
should NOT be ...



Effect of the
CBP implementation
should be ...



✓ Will decrease gas flows area



✓ OK with EASEE-gas objectives
✓ Will increase gas flows area



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Implementation requires member states to adopt the values for each parameter at cross-border points on the same date.

1/10/2006 is the proposed implementation date for the parameters:

- Total Sulphur
- H₂S and COS
- RSH
- CO₂
- H₂O dewpoint
- Hydrocarbon dewpoint

➤ The implementation dates should be adhered to.

EASEE-gas Way Forward



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- It is up to the Member States to determine the optimum solution to deal with the acceptance of the EASEE-gas specifications at the cross border points based on:
 - Costs involved
 - Security of Supply
 - Supply sources
 - Safety implications
 - Etc.
- However, we invite the EC to initiate a study coordinated at EU level to address the major common technical issues raised (e.g., functioning of domestic appliances, efficiency, ...)
- Such study to involve EASEE-gas, Marcogaz, CEN and other relevant stakeholders

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