

## Study on Interoperability – Gas Quality Harmonisation – Cost Benefit Analysis

In reference to the Public Consultation we give answers to the following questions as the Austrian Association for the Gas Grid Operators:

Do you agree with the high-level conclusions of this report?

*Based on the presented data we do not agree. The benefit analysis should be outlined more in detail so the results are traceable.*

As a manufacturer do you maintain an inventory of installed appliances?

We do not represent manufacturers.

Are there any specific gas quality related issues not recognised within this report?

*With respect to upcoming developments on possible dosing of hydrogen into natural gas networks ("Smart Grids") flame velocity might become an issue and should be taken into considerations. Different appliance inlet pressures in the different countries might also have some impact on this issue.*

Do you manufacture appliances that can operate over the full EASEE-gas specification without loss of efficiency or increased of emissions?

We do not represent manufacturers.

Do you have evidence of damage or failures caused by appliance operating on gas that is not compliant with the local gas quality?

*NO, we do not have.*

Would you support the adoption of the proposed EUROMOT gas quality specification?

*YES we would support this adoption, excepted the switch from H-gas to L-gas since L-gas is not within the subject to be analysed. Engines and turbines shall be able to handle RSH (sulphur) at least within the limits of EASEE gas specification.*

*Generally other manufacturers of gas turbines than outlined should be included (e.g. Solar turbines, Mitsubishi)*

*Supply pressures of Gas turbines and Gas Motors (stationary engines) should be agreed mutually between buyer, seller or other involved parties.*

Are there any specific circumstances that should be assessed in detail?

*The impact of different respectively harmonised gas qualities on the performance of CNG driven Motors should also be taken into considerations.*

Do you consider that the data used to undertake this analysis is sufficient to support the conclusions presented in this report?

*NO, we do not think so:*

*It is not clear in how far CAPEX and OPEX are influenced by the differences of specified gas compositions and actual gas compositions.*

Should significant effort be made to improve the data used in the analysis presented in this report?

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Do you have access to further data that could (if it were made available) improve the quality of the data used in the analysis presented in this report?

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Can you provide typical detailed gas composition at cross border points?

*NO*

If so, can this data be made available (respecting confidentiality, as required)?

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How should data be collected for such a study?

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