

## Appendix GTC 3: Grid points and Gas Specification



OPAL

Last update: 31 July 2014

Grid point ID	ETSO/EIC-Code	Grid point name	Flow direction	Grid point type	Adjacent system operator / storage operator	Gas specification
92200	21Z000000000241X	Greifswald OPAL	EN	Interconnection point-international	---	1
92IEA	27ZG007P0000062W	Brandov	EX	Interconnection point-international	---	2

### Explanation:

EX = Exit from network of OPAL Gastransport GmbH & Co. KG

EN = Entry into the network of OPAL Gastransport GmbH & Co. KG

		1	2
contract location		Greifswald	Brandov
Gross Calorific Value (min)	kWh / m <sup>3</sup>	10,95	10,95
Gross Calorific Value (max)	kWh / m <sup>3</sup>	11,70	11,70
Wobbe Index (min)	kWh / m <sup>3</sup>	14,17	14,17
Wobbe Index (max)	kWh / m <sup>3</sup>	15,25	15,25
Hydrocarbon dewpoint	°C	-2 °C @ 1 - 70 bar (a)	-2 °C @ 1 - 70 bar (a)
Water dewpoint	°C	-10 °C @ 70 bar (a)	-10 °C @ 70 bar (a)
Oxygen content (max)	ppm	10 (Tagesmittelwert) *	200,00
Carbon dioxide content (max)	Mol-%	2,00	2,00
Hydrogen sulphide content H <sub>2</sub> S (max)	mg /m <sup>3</sup>	5,00	5,00
Mercaptans (max)	mg /m <sup>3</sup>	6,00	6,00
Total sulphur (as S)	mg /m <sup>3</sup>	21,50	21,50

Gross Calorific Value and Wobbe Index are referring to a reference temperature of 298,15 K ( 25°C ) and combustion circumstances of 1,01325 bar and 273,15 K ( 0°C ).

Gas transported to and from the connection points may not contain any other elements or impurities (such as, but not limited to methanol, condensates and gas odorants) to the extent that the Gas cannot be further transported without incurring additional cost for quality adjustment.

\*) The maximum Oxygen content is a daily average value.

The Gas may exceed the maximum Oxygen content to 15 ppm (daily average) for maximum 10 days in one year.