



List of Interconnection Points for the Expected or Possible Application of the Capacity Allocation Mechanism Network Code

EXPLANATORY NOTE/DISCLAIMER

The capacity allocation mechanisms network code (CAM NC) is expected to become a Commission Regulation in Q3 2013, subject to the scrutiny of the European Parliament and Council of Ministers and the adoption of the European Commission.

The CAM NC applies to interconnection points (IPs), meaning physical or virtual points connecting adjacent entry-exit systems or connecting an entry-exit system with an interconnector, in so far as these points are subject to booking procedures by network users. It may also apply to entry points from and exit points to third countries, subject to the decision of the relevant national regulatory authority. It will not apply to exit points to end consumers and distribution networks, entry points from LNG terminals and production facilities, or entry-exit points to or from storage facilities.

This two-part list has been prepared by ENTSOG in co-operation with ACER and NRAs. It represents a best assessment, as of 29 July 2013, of:

- Part I: IPs where the CAM NC is expected to apply (either on both sides or one side of an IP);
- Part II: IPs where the CAM NC may apply in the future, subject to a NRA decision.

The list may be subject to update.

Connection points where it is expected that the CAM NC will not apply, as they are covered by the exclusions in the CAM NC, are not included in this list. Therefore, this file should not be considered an exhaustive list of connection points.

The names of IPs may differ on each side of the border (e.g., Winterswijk on the Dutch side is called Vreden on the German side). For many, we have adopted the name that is most commonly used in a European context. For others, both names are given.

The information provided was originally prepared in a professional and workman-like manner by ENTSOG on the basis of information collected and compiled by ENTSOG and relates only to the application of the CAM NC without any prejudice nor interference with other requirements derived from Regulation (EC) No 715/2009 (e.g., transparency requirements concerning transmission system operators). All content is provided "as is" without any warranty of any kind as to the completeness, accuracy, fitness for any particular purpose or any use of results based on such information.

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Additional information on the IPs included in this file can be found on the ENTSOG website at <http://www.entsog.eu/maps/transmission-capacity-map>.

A copy of the list in Excel format is available upon request. Please send your requests to: info@entsog.eu

PART I: INTERCONNECTION POINTS WHERE CAM NC EXPECTED TO APPLY

See explanatory note for detail.

Version date: 29 July 2013

Note

- > Uni-directional IP (flow direction)
- <> Bi-directional IP

APPLICATION ON BOTH SIDES OF IP

POINT TYPE	NAME LOCATION	System Operator 1	CC	Dir	System Operator 2	CC	COMMENTS
cross-border	IZT	Interconnector	UK	<>	Fluxys Belgium	BE	
cross-border	Zelzate	Fluxys Belgium	BE	<>	Gasunie Transport Services	NL	
cross-border	Zandvliet H-gas	Gasunie Transport Services	NL	>	Fluxys Belgium	BE	
cross-border	Zandvliet-L (NL) / Poppel (BE)	Gasunie Transport Services	NL	>	Fluxys Belgium	BE	
	Hilvarenbeek (NL) / Poppel (BE)	Gasunie Transport Services	NL	>			
cross-border	Zandvliet-L (NL) / Hilvarenbeek (BE)	Gasunie Transport Services	NL	>	Fluxys Belgium	BE	
	Hilvarenbeek (NL) / Hilvarenbeek (BE)	Gasunie Transport Services	NL	>			
cross-border	's Gravenvoeren (NL) / 's Gravenvoeren (BE)	Gasunie Transport Services	NL	<>	Fluxys Belgium	BE	
cross-border	Eynatten 1 (BE) / Eynatten (DE)	Fluxys Belgium	BE	<>	Gascade	DE	
cross-border	Eynatten 2 (BE) // Lichtenbusch / Raeren (DE)	Fluxys Belgium	BE	>	Open Grid Europe	DE	
			BE	>	Fluxys TENP	DE	
			BE	>	Thyssengas	DE	
cross-border	Lichtenbusch / Raeren (DE) // Eynatten 2 (BE)	Fluxys TENP	DE	>	Fluxys Belgium	BE	
			Open Grid Europe	DE		>	BE
cross-border	Blaregnies Segeo (BE) / Taisnières (H) (FR)	Fluxys Belgium	BE	>	GRTgaz	FR	
	Blaregnies Troll (BE) / Taisnières (H) (FR)	Fluxys Belgium	BE	>		FR	
cross-border	Blaregnies Segeo (BE) / Taisnières (H) (FR)	GRTgaz	FR	>	Fluxys Belgium	BE	
cross-border	Blaregnies-L (BE) / Taisnières-L (FR)	Fluxys Belgium	BE	>	GRTgaz	FR	
cross-border	Veurne	GRTgaz	FR	>	Fluxys Belgium	BE	IP will be operational in the end of 2015. CAM NC will apply to the available capacity.
cross-border	Tegelen	Open Grid Europe	DE	<>	Gasunie Transport Services	NL	
cross-border	Bocholtz	Gasunie Transport Services	NL	<>	Open Grid Europe	DE	
cross-border	Bocholtz	Gasunie Transport Services	NL	<>	Fluxys TENP	DE	
cross-border	Bocholtz-Vetschau	Gasunie Transport Services	NL	<>	Thyssengas	DE	
cross-border	Zevenaar (NL) / Elten (DE)	Gasunie Transport Services	NL	<>	Open Grid Europe	DE	
cross-border	Zevenaar	Gasunie Transport Services	NL	<>	Thyssengas	DE	
cross-border	Winterswijk (NL) / Vreden (DE)	Gasunie Transport Services	NL	<>	Open Grid Europe	DE	
cross-border	Oude Statenzijl (OGE) / Bunde (H) (DE)	Gasunie Transport Services	NL	<>	Open Grid Europe	DE	
cross-border	Oude Statenzijl (Gascade-H) [Wingas-H] / Bunde (DE)	Gasunie Transport Services	NL	<>	Gascade	DE	
cross-border	Oude Statenzijl (GUD-H) [OBEBH] / Bunde (DE)	Gasunie Transport Services	NL	<>	Gasunie Deutschland Transport Services	DE	
cross-border	Oude Statenzijl (GUD-G) [OBEBG] / Bunde (L) (DE)	Gasunie Transport Services	NL	>	Gasunie Deutschland Transport Services	DE	
			NL	>	GTG Nord	DE	
cross-border	Julianadorp (NL) / Balgzand (UK)	Gasunie Transport Services	NL	>	BBL company	UK	
cross-border	Bacton	NationalGrid	UK	>	Interconnector	UK	
		Interconnector	UK	>	NationalGrid	UK	
		BBL company	UK	>	NationalGrid	UK	
cross-border	Moffat	NationalGrid	UK	>	Gaslink	IE	
cross-border	South-North Interconnection Point	Gaslink	IE	>	BGE (N.I.)	UK	
cross-border	Oberkappel	Open Grid Europe	DE	>	BOG	AT	
		BOG	AT	>	Open Grid Europe	DE	
		GRTgaz Deutschland	DE	>	BOG	AT	
		BOG	AT	>	GRTgaz Deutschland	DE	

cross-border	Medelsheim (DE) / Obergailbach (FR)	Open Grid Europe GRTgaz Deutschland	DE DE	> >	GRTgaz GRTgaz	FR FR	
cross-border	Überackern	Gas Connect Austria Gas Connect Austria	AT AT	<> <>	bayernets Open Grid Europe	DE DE	
cross-border	Murfeld (AT) / Ceršak (SI)	Gas Connect Austria	AT	>	Plinovodi	SI	
cross-border	Tarvisio (IT) / Arnoldstein (AT)	TAG	AT	<>	Snam Rete Gas	IT	
cross-border	Gorizia (IT) / Šempeter (SI)	Snam Rete Gas	IT	<>	Plinovodi	SI	
cross-border	Larrau	TIGF	FR	<>	Enagas	ES	
cross-border	Biriatou (FR) / Irun (ES)	TIGF	FR	<>	Enagas	ES	
virtual	VIP ES-PT	Enagas	ES	<>	REN Gasodutos	PT	Capacity at the two physical IPs (i.e Valença do Minho (PT) / Tuy (ES) + Badajoz (ES) / Campo Maior (PT)) is offered through a VIP.
cross-border	Ellund	Energinet.dk Energinet.dk	DK DK	<> <>	Open Grid Europe Gasunie Deutschland Transport Services	DE DE	
cross-border	Mallnow	Gaz-System (ISO)	PL	<>	Gascade	DE	
cross-border	Lasów	Ontras	DE	>	GAZ-SYSTEM	PL	
cross-border	Gubin	Ontras	DE	>	GAZ-SYSTEM	PL	Discussions on future booking procedures ongoing.
cross-border	Kamminke	GAZ-SYSTEM	PL	>	Ontras	DE	Discussions on future booking procedures ongoing.
cross-border	Hora Svaté Kateřiny (CZ) / Deutsch-Neudorf (DE)	Ontras	DE	<>	NET4GAS	CZ	
cross-border	Brandov (CZ) / Brandov-STEGAL (DE)	NET4GAS	CZ	>	Gascade	DE	
cross-border	Olbernhau 2 (DE) / Hora Svaté Kateřiny (CZ)	Gascade	DE	>	NET4GAS	CZ	
cross-border	Opal (DE) / Brandov (CZ)	Opal Nel	DE	<>	NET4GAS	CZ	CAM NC applies only to non-exempted capacity.
cross-border	Waidhaus	NET4GAS NET4GAS Open Grid Europe	CZ CZ DE	> > >	Open Grid Europe GRTgaz Deutschland NET4GAS	DE DE CZ	
cross-border	Cieszyn	NET4GAS	CZ	<>	GAZ-SYSTEM	PL	
cross-border	Lanžhot	Eustream	SK	<>	NET4GAS	CZ	
cross-border	Baumgarten	Eustream Eustream Eustream	SK SK SK	<> > >	BOG Gas Connect Austria TAG	AT AT AT	
cross-border	Petrzalka	Gas Connect Austria	AT	>	Eustream	SK	
cross-border	Mosonmagyaróvár	Gas Connect Austria	AT	>	FGSZ	HU	
cross-border	Dravaszerdahely	FGSZ	HU	<>	Plinacro	HR	
cross-border	Rogatec	Plinovodi	SI	>	Plinacro	HR	
cross-border	Kula (BG) / Sidirokastron (GR)	Bulgartransgaz	BG	>	DESFA	GR	
cross-border	Negru Voda I	Transgaz	RO	>	Bulgartransgaz	BG	
cross-border	Negru Voda II-III	Transgaz	RO	>	Bulgartransgaz	BG	CAM NC to be applied from January 2016 due to a pending intergovernmental agreement.
cross-border	Csanadpalota	FGSZ	HU	<>	Transgaz	RO	
in-country inter-TSO	Kienbaum	Gascade	DE	<>	Open Grid Europe	DE	
in-country inter-TSO	Broichweiden Süd	Gascade	DE	<>	Thyssengas	DE	
in-country inter-TSO	Lampertheim I	Gascade	DE	<>	Open Grid Europe	DE	
in-country inter-TSO	Reckrod I	Open Grid Europe	DE	<>	Gascade	DE	
in-country inter-TSO	Bunder-Tief	Gasunie Deutschland Transport Services	DE	<>	Open Grid Europe	DE	
in-country inter-TSO	Drohne	Gasunie Deutschland Transport Services	DE	<>	Open Grid Europe	DE	
in-country inter-TSO	Emsbüren-Berge	Gasunie Deutschland Transport Services	DE	<>	Thyssengas	DE	
in-country inter-TSO	Emsbüren RG (L-gas)	Gasunie Deutschland Transport Services	DE	<>	Open Grid Europe	DE	
in-country inter-TSO	Quarnstedt	Gasunie Deutschland Transport Services	DE	<>	Open Grid Europe	DE	
in-country inter-TSO	Nordlohne	Gasunie Deutschland Transport Services	DE	<>	Open Grid Europe	DE	

in-country inter-TSO	Steinitz	Open Grid Europe	DE	<>	Ontras	DE	
in-country inter-TSO	Gernsheim	Gascade	DE	<>	GRTgaz Deutschland	DE	IP will be operational from 1 January 2014
in-country inter-TSO	Liaison Nord Sud	GRTgaz	FR	>	GRTgaz	FR	
in-country inter-TSO	Wardenburg RG	Open Grid Europe	DE	<>	Gasunie Deutschland Transport Services	DE	
in-country inter-TSO	Etzel	Open Grid Europe	DE	<>	jordgasTransport	DE	
in-country inter-TSO	Ahlten	Open Grid Europe	DE	<>	Nowega	DE	
in-country inter-TSO	Lampertheim IV	Gascade	DE	<>	terranets bw	DE	
in-country inter-TSO	Lwówek	Gaz-System (ISO)	PL	>	GAZ-SYSTEM	PL	
in-country inter-TSO	Wrocławek	Gaz-System (ISO)	PL	>	GAZ-SYSTEM	PL	

APPLICATION ON ONE SIDE OF IP

POINT TYPE	NAME LOCATION	System Operator 1	CC	Dir	System Operator 2	CC	COMMENTS
cross-border	Haanrade	Gasunie Transport Services	NL	>	Thyssengas	DE	On NL side, NRA assessing whether an insular part of network.
cross-border	Remich	Open Grid Europe	DE	<>	CREOS	LU	On LU side, derogation under Gas Directive.
cross-border	RC Lindau/Leiblach - exit	terranets BW	DE	>	Vorarlberger Erdgas GmbH	AT	On AT side, due to operation by DSO, CAM NC will not apply.
cross-border	Kiefersfelden	bayernets	DE	>	TIGAS	AT	On AT side, due to operation by DSO, CAM NC will not apply.
		Open Grid Europe	DE	>	TIGAS	AT	
cross-border	Dragør	Energinet.dk	DK	>	Swedegas	SE	On SE side, due to absence of booking procedures, CAM NC will not apply.
virtual	VIP GDLUX	Fluxys Belgium	BE	<>	CREOS	LU	Capacity at the two physical IPs (ie GDLUX (BE)/Bras (LU) and GDLUX (BE)/Petange (LU)) is offered through a VIP. Derogation on LU side under Gas Directive.
third country	Wallbach	Fluxys TENP	DE	>	FluxSwiss/TransitGas	CH	DE NRA unilaterally decided to apply CAM NC on DE side.
		Open Grid Europe	DE	>	FluxSwiss/TransitGas	CH	
third country	RC Basel - Exit	terranets BW	DE	>	Gasverbund Mittelland	CH	DE NRA unilaterally decided to apply CAM NC on DE side.
third country	RC Thayngen-Fallentor	terranets BW	DE	>	Erdgas Ostschweiz	CH	DE NRA unilaterally decided to apply CAM NC on DE side.
third country	Greifswald	Nord Stream	RU	>	OPAL NEL Transport	DE	DE NRA unilaterally decided to apply CAM NC to the non-exempted part of the capacity on the DE side.
third country	Griespass (CH) / Passo Gries (IT)	FluxSwiss	CH	>	Snam Rete Gas	IT	IT NRA decided to apply CAM NC on IT side with respect to day-ahead capacity. Extension to other capacity products is under assessment by the NRA.
		Swissgas	CH	>	Snam Rete Gas	IT	
		Snam Rete Gas	IT	>	FluxSwiss	CH	
		Snam Rete Gas	IT	>	Swissgas	CH	
production site	Dornum / NETRA	Gassco	NO	<>	Open Grid Europe	DE	Point not in scope of CAM NC, but DE NRA unilaterally decided to apply CAM NC on DE side
production site	Dornum / NETRA	Gassco	NO	>	Gasunie Deutschland Transport Service	DE	Point not in scope of CAM NC, but DE NRA unilaterally decided to apply CAM NC on DE side
production site	Dornum / NETRA	Gassco	NO	>	jordgasTransport GmbH	DE	Point not in scope of CAM NC, but DE NRA unilaterally decided to apply CAM NC on DE side
production site	Emden (EPT1)	Gassco	NO	<>	Open Grid Europe	DE	Point not in scope of CAM NC, but DE NRA unilaterally decided to apply CAM NC on DE side
production site	Emden (EPT1)	Gassco	NO	>	Gasunie Deutschland Transport Services	DE	Point not in scope of CAM NC, but DE NRA unilaterally decided to apply CAM NC on DE side
production site	Emden (EPT1)	Gassco	NO	>	Thyssengas	DE	Point not in scope of CAM NC, but DE NRA unilaterally decided to apply CAM NC on DE side
production site	Emden (NPT)	Gassco	NO	>	Open Grid Europe	DE	Point not in scope of CAM NC, but DE NRA unilaterally decided to apply CAM NC on DE side
production site	Emden (EPT1)	Open Grid Europe	DE	>	Gassco	NO	Point not in scope of CAM NC, but DE NRA unilaterally decided to apply CAM NC on DE side
production site	Emden (NPT)	Gassco	NO	>	Gasunie Deutschland Transport Services	DE	Point not in scope of CAM NC, but DE NRA unilaterally decided to apply CAM NC on DE side
production site	Emden (NPT)	Gassco	NO	>	Thyssengas	DE	Point not in scope of CAM NC, but DE NRA unilaterally decided to apply CAM NC on DE side
production site	Emden (EPT1)	Gassco	NO	>	Gasunie Transport Services	NL	Point not in scope of CAM NC, but NL NRA unilaterally decided to apply CAM NC on NL side
production site	Emden (NPT)	Gassco	NO	>	Gasunie Transport Services	NL	Point not in scope of CAM NC, but NL NRA unilaterally decided to apply CAM NC on NL side

PART II: INTERCONNECTION POINTS WHERE FUTURE APPLICATION POSSIBLE (SUBJECT TO NRA DECISION)

See explanatory note for detail.

Version date: 29 July 2013

Note

- > Uni-directional IP (flow direction)
- <> Bi-directional IP

POINT TYPE	NAME LOCATION	System Operator 1	CC	Dir	System Operator 2	CC	COMMENTS
cross-border	Karksi	Võrguteenus	EE	<>	Latvijas Gaze	LV	Derogation under Gas Directive Article 49
cross-border IP	Kiemenai	Latvijas Gaze	LV	<>	Lietuvos Dujos	LT	Derogation under Gas Directive Article 49
cross-border	Twynholm	Gaslink	IE	>	Premier Transmission Limited (PTL)	UK	This point is under discussion among relevant NRAs. As a result, NRAs will need to agree in advance of this point being moved to Part I.
third country	Oltingue (FR) / Rodersdorf (CH)	GRTgaz	FR	>	Swissgas	CH	
third country	Kiskundorozsma	FGSZ	HU	>	Srbijagas	SB	
third country	Beregdaróc	FGSZ	HU	>	Ukrtransgaz	UA	
third country	Beregovo	Ukrtransgaz	UA	>	FGSZ	HU	
third country	Zidilovo	Bulgartransgaz	BG	>	Makpetrol	MK	
third country	Malkoclar	Bulgartransgaz	BG	>	Botas	TK	
third country	Sakiai	Lietuvos Dujos	LT	>	Gazprom	RU	
third country	Tarifa	EMPL	MA	>	Enagas	ES	
third country	Almería	Medgaz	MA	>	Enagás	ES	
third country	Mazara del Vallo	TPMC	TN	>	Snam Rete Gas	IT	
third country	Gela	GreenStream Network	LY	>	Snam Rete Gas	IT	
third country	Imatra	Gazprom	RU	>	Gasum	FI	
third country	Korneti	Gazprom	RU	>	Latvijas Gaze	LV	
third country	Kotlovka	Bieltransgaz	BY	>	Lietuvos Dujos	LT	
third country	Tietierowka	Bieltransgaz	BY	>	GAZ-SYSTEM	PL	
third country	Kondratki	Bieltransgaz	BY	>	Gaz-System (ISO)	PL	
third country	Wysokoje	Bieltransgaz	BY	>	GAZ-SYSTEM	PL	
third country	Hermanowice	GAZ-SYSTEM	PL	>	Ukrtransgaz	UA	
third country	Drozdovichi (UA) / Drozdowicze (PL)	Ukrtransgaz	UA	>	GAZ-SYSTEM	PL	
third country	Uzhgorod (UA) / Velké Kapušany (SK)	Ukrtransgaz	UA	>	Eustream	SK	
third country	Tekovo (UA) / Mediesu Aurit (RO)	Ukrtransgas	UA	>	Transgaz	RO	
third country	Orlovka (UA) / Isaccea (RO)	Ukrtransgas	UA	>	Transgaz	RO	
third country	Kipi	Botas	TK	>	DESFA	GR	
third country	Värskä	Gazprom	RU	>	Võrguteenus	EE	