

Area From	Area To	GTC 2004** [MVA or MW]	NTC 2004*** [MW]	NTC/GTC**** 2004 [%]
Albania	JIEL/EKC block*	622	300	48,2
Albania	Greece	1420	300	21,1
Albania+Bulgaria+JIEL/EKC	Greece	4140	0	
Austria	Germany	11935	1400	11,7
Austria	Italy	257	220	85,6
Austria	Czech Rep. + Hungary	4373	600	13,7
Austria	Czech Rep.	2249	0	
Austria	Italy + Slovenia	3636	0	
Austria	Germany + Switzerland	15892	1200	7,6
Austria	Slovenia	3379	400	11,8
Austria	Hungary	2124	500	23,5
Belgium	France	2980	2750	92,3
Belgium	Netherlands	5568	2350	42,2
Belgium + Germany	Netherlands	15255	4700	30,8
Bosnia	Croatia	5436	350	6,4
Bosnia	JIEL/EKC*	2885	600	20,8
Bulgaria	JIEL/EKC block*	1444	935	64,8
Bulgaria	Greece	1300	654	50,3
Bulgaria	Romania	4693	1135	24,2
Bulgaria+JIEL/ECK*	Romania	1690	700	41,4
Croatia	Bosnia and Herzegovina	5436	500	9,2
Croatia	JIEL/EKC block*	985	300	30,5
Croatia	Hungary	2688	100	3,7
Croatia	Slovenia	4816	1000	20,8
Czech Rep.+Poland	Germany	9186	0	
Czech Rep.	Germany	6236	1625	26,1
Czech Rep.	Austria	2249	600	26,7
Czech Rep.	Poland	2976	0	
Czech Rep.	Slovakia	5266	1300	24,7
Czech+Germany+Slovakia	Poland	8430	200	2,4
Czech Rep.+Hungary	Austria	4373	0	
Denmark (West)	Germany	1350	1200	88,9
Denmark (East)	Germany	600	550	91,7
Denmark (West)	Sweden	650	490	75,4
Denmark (East)	Sweden	2010	1700	84,6
Denmark (West)	Norway	1040	950	91,3
Finland	Sweden	2230	1600	71,7
Finland	Norway	120	100	83,3

Area From	Area To	GTC 2004** [MVA or MW]	NTC 2004*** [MW]	NTC/GTC**** 2004 [%]
France	United Kingdom	2000	2000	100,0
France	Belgium	2980	2250	75,5
France	Germany	4584	2550	55,6
France	Italy	4099	2650	64,6
France	Switzerland + Italy	12456	3200	25,7
France	Spain	2957	1400	47,3
France+Switzerland	Italy	10070	0	
Germany	Austria	11935	1600	13,4
Germany	Netherlands	9687	3800	39,2
Germany	Czech Rep. + Poland	9186	0	
Germany	Czech Rep.	6236	700	11,2
Germany	Denmark (East)	600	550	91,7
Germany	Denmark (west)	1350	800	59,3
Germany	France	4684	2500	53,4
Germany	Poland	2950	2000	67,8
Germany	Sweden	600	370	61,7
Germany	Switzerland	12293	3000	24,4
Germany+Switzerland	Austria	11935	1600	13,4
Greece	Albania	1420	130	9,2
Greece	JIEL/EKC block*	2840	600	21,1
Greece	Italy	500	500	100,0
Greece	Albania+Bulgaria+JIEL/EKC block*	2720	600	22,1
Hungary	Austria	2124	200	9,4
Hungary	Croatia	2688	1000	37,2
Hungary	JIEL/EKC block*	1332	800	60,1
Hungary	Romania	1246	1100	88,3
Hungary	Slovakia	2492	200	8,0
Hungary	Ukraine	6309	400	6,3
Italy	Austria + Slovenia	2274	0	
Italy	France + Switzerland	10070	0	
Italy	France	4099	0	
Italy	Switzerland	5971	0	
Italy	Austria	257	0	
Italy	Slovenia	2017	480	23,8
Italy	Greece	500	500	100,0
Italy+Slovenia	Austria	3285	0	

Area From	Area To	GTC 2004** [MVA or MW]	NTC 2004*** [MW]	NTC/GTC**** 2004 [%]
JIEL/EKC block*	Albania	622	250	40,2
JIEL/EKC block*	Bosnia and Herzegovina	2885	450	15,6
JIEL/EKC block*	Bulgaria	1444	965	66,8
JIEL/EKC block*	Croatia	985	300	30,5
JIEL/EKC block*	Greece	2840	600	21,1
JIEL/EKC block*	Hungary	1332	650	48,8
JIEL/EKC block*	Romania	1701	1050	61,7
Morocco	Spain	730	400	54,8
Netherlands	Belgium	5568	1900	34,1
Netherlands	Belgium + Germany	15255	3500	22,9
Netherlands	Germany	9687	3900	40,3
Norway	Denmark (West)	1040	1000	96,2
Norway	Sweden	4825	3350	69,4
Norway	Finland	120	70	58,3
Poland	Czech Rep. + Germany + Slovakia	8430	2100	24,9
Poland	Czech Rep.	2976	1650	55,4
Poland	Germany	2950	1100	37,3
Poland	Slovakia	2504	750	30,0
Poland	Sweden	600	550	91,7
Portugal	Spain	3037	1300	42,8
Rep. Of Ireland	United Kingdom	500	120	24,0
Romania	JIEL/EKC block*	1701	1700	99,9
Romania	Bulgaria	4693	765	16,3
Romania	Bulgaria + JIEL/EKC block*	6394	0	
Romania	Hungary	1246	800	64,2
Romania	Ukraine	5178	750	14,5
Russia	Finland	1560	1400	89,7
Slovakia	Czech Rep.	5266	600	11,4
Slovakia	Hungary	2492	1100	44,1
Slovakia	Poland	2504	750	30,0
Slovakia	Ukraine	1183	500	42,3
Slovenia	Austria	3379	0	
Slovenia	Croatia	4816	1000	20,8
Slovenia	Italy	2017	380	18,8

Area From	Area To	GTC 2004** [MVA or MW]	NTC 2004*** [MW]	NTC/GTC**** 2004 [%]
Spain	Portugal	3037	900	30,0
Spain	France	2957	1000	33,8
Spain	Morocco	730	400	54,8
Sweden	Germany	600	460	76,7
Sweden	Denmark (West)	650	460	70,8
Sweden	Denmark (East)	2010	1300	64,7
Sweden	Finland	2230	1800	80,7
Sweden	Norway	4825	3050	63,2
Sweden	Poland	600	550	91,7
Switzerland	Austria	3957	1500	37,9
Switzerland	Germany	12293	4000	32,5
Switzerland	France	8357	0	
Switzerland	Italy	5971	2800	46,9
Ukraine	Hungary	6309	455	7,2
Ukraine	Romania	5178	600	11,6
Ukraine	Slovakia	1183	500	42,3
UK (Great Britain)	France	2000	0	
UK (North Ireland)	Republic of Ireland	500	330	66,0
UK (Great Britain)	UK (North Ireland)	500	450	90,0
UK (North Ireland)	UK (Great Britain)	500	450	90,0
Estonia	Russia (Leningrad Region)	2800	1000	35,7
Estonia	South cross-section (Latvia+Pskov Region)	1500	1200	80,0
Latvia	North cross section (Estonia+Pskov Region)	1500	1200	80,0
Latvia	Lituania	3310	2000	60,4
Lituania	Latvia	3310	2500	75,5
Lituania	Belarus	4915	2200	44,8
Lituania	Kaliningrad	2287	700	30,6

Notes:

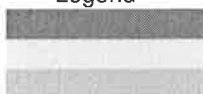
*JIEL block: Serbia, Montenegro and FYROM.

*ECK block: Bosnia and Herzegovina.

** Values relevant to Baltic States, Nordel states and DC links are expressed in MW.

*** Data from local ISO in red. Data from ETSO source in black.

**** Legend



Ratio NTC/GTC < 25%

25% < NTC/GTC < 70%

Ratio NTC/GTC > 70%

Gross Transmission Capacity (GTC) vis a vis Net Transmission Capacity (NTC) in Europe

Corridor	GTC	NTC	Difference	NTC/GTC (%)
France to United Kingdom	2000	2000	0	100%
United Kingdom to France	2000	0	2000	0%
Denmark (East) to Sweden	2010	1700	310	85%
Sweden to Denmark (East)	2010	1300	710	65%
Italy to Slovenia	2017	480	1537	24%
Slovenia to Italy	2017	380	1637	19%
Austria to Hungary	2124	500	1624	24%
Hungary to Austria	2124	200	1924	9%
Sweden to Finland	2230	1800	430	81%
Finland to Sweden	2230	1600	630	72%
Czech Republic to Austria	2249	600	1649	27%
Austria to Czech Republic	2249	0	2249	0%
Italy to Austria + Slovenia	2274	0	2274	0%
Lithuania to Kaliningrad	2287	700	1587	31%
Slovakia to Hungary	2492	1100	1392	44%
Hungary to Slovakia	2492	200	2292	8%
Poland to Slovakia	2504	750	1754	30%
Slovakia to Poland	2504	750	1754	30%

Courtesy:
ENTSOE

NTC Vs GTC Among EU Countries For Corridors Up to 16000 MW

Gross Total Capacity & Net Transfer Capability Among EU Countries

