



What is capacity maximisation

Article 16(1) of Regulation (EC) 715/2009:

The maximum capacity at all relevant points referred to in Article 18(3) shall be made available to market participants, taking into account system integrity and efficient network operation

Article 18(3) of Regulation (EC) 715/2009:

For the services provided, each transmission system operator shall make public information on technical, contracted and available capacities on a numerical basis for all relevant points including entry and exit points on a regular and rolling basis and in a user-friendly and standardised manner



What is congestion

- Congestion happens when the interest in transmission capacity exceeds the available capacity. It
 occurs in two forms:
- 'Contractual congestion' means that interest in obtaining capacity rights exceeds the marketed capacity
- 'Physically congested' gas transmission capacity implies that all booked capacity is used to flow gas, up to the operational limits of the gas system.



Observations on congestion

Disclaimer:

We present the preliminary results. The validated final results will be part of ACER's Report on Congestion in EU Gas Markets and How it is Managed

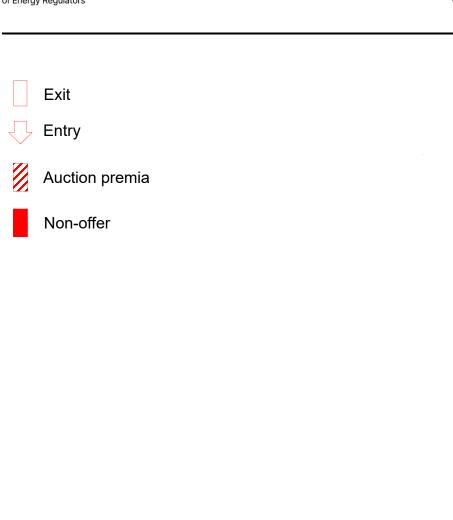


How ACER monitors contractual congestion

- ACER monitors whether interest in booking capacity exceeds the offered capacity for yearly, quarterly
 and monthly products (occurrence of auction premium); or whether none of these products were
 offered in the first place (non-offer)
- Interconnection points that meet the criteria laid down in point 2.2.3(1) of Annex I of the Regulation (EC) No 715/2009 are identified as (contractually) 'congested'



Observations on contractual congestion Congestion in 2022 (preliminary results)



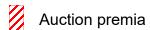




Observations on contractual congestion Congestion in 2021

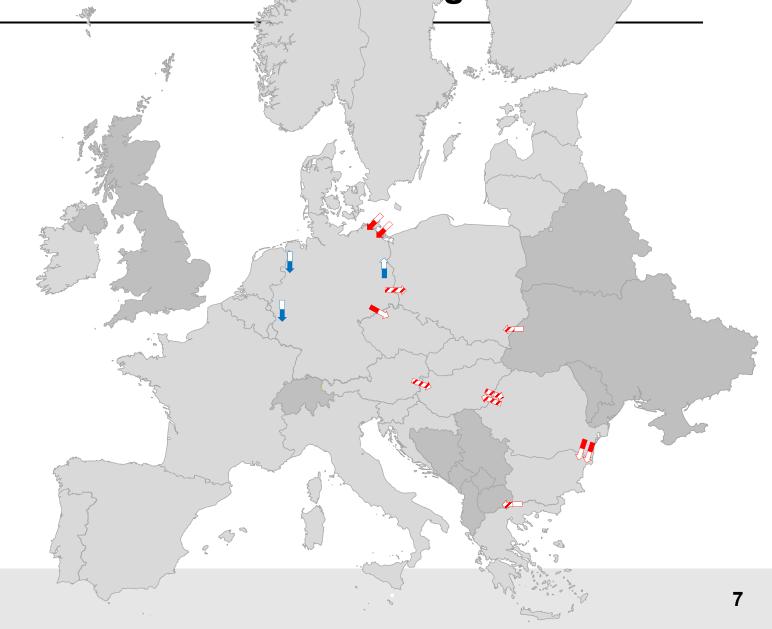








In-country point





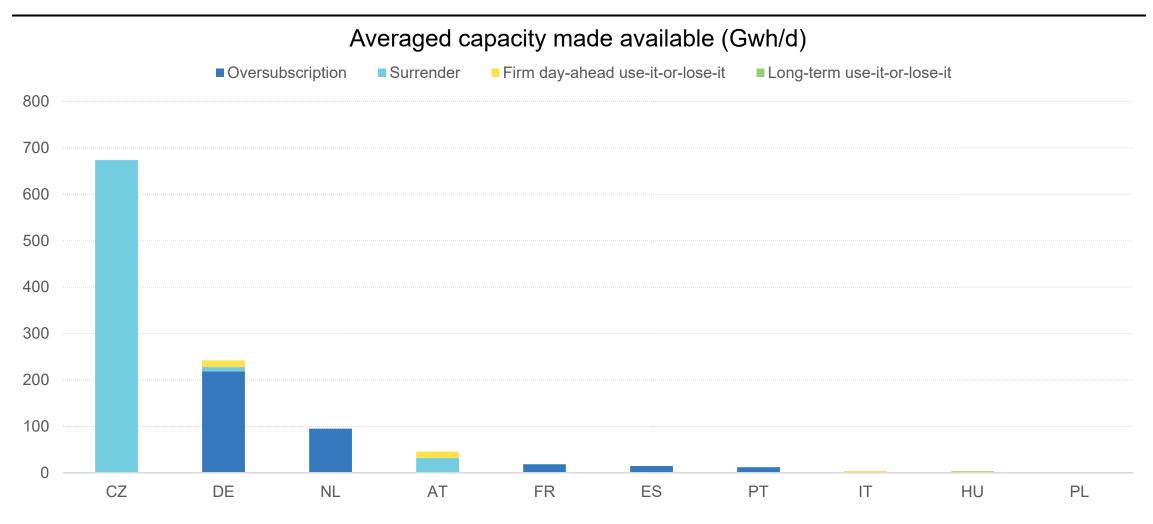
Observations on contractual congestion More congestion and for longer duration

Product type	Count of auction premia 2022 auctions	Count of auction premia 2021 auctions
Yearly	94	5
Quarterly	322	30
Monthly	283	36
Day-ahead	6371	796

From > To	Auction premium for yearly product 2022/3	Auction premium for yearly product 2023/4	Auction premium for yearly product 2024/5	Auction premium for yearly product with start in 2025 or later
AT > HU	x	X	x	
BE > DE	x	X	x	
BE > NL	x	X	X	
DE > CZ	X	X	X	
FR > BE	x	X	x	X
NL > DE	Х	х	Х	



Observations on contractual congestion Application of congestion management procedures



Source: ENTSOG



Observations on physical congestion Was there physical congestion?



Utilisation rate (%) is average physical flow / maximum firm technical Source: ENTSOG TP



Expected actions



What actions could we expect from TSOs and NRAs to maximise capacities and manage congestions?

- TSO action
 - Managing contractual congestion
 - Bringing unused capacity back to the market by firm-day ahead UIOLI and other measures;
 - Maximising capacities by optimising the operation of the existing infrastructure
 - Optimisation of the network configuration to the new flows, e.g. boosting compression;
 - Interruptible capacity;
 - Investment in infrastructure
 - May also be non-TSO investment in supply infrastructure (or demand reduction measures)
 - Improve transparency on these actions
- NRA action
 - Monitoring and following up on the TSO actions;

When reported firm technical capacity is frequently lower than observed maximum flows, can the market know whether capacities were maximised?



Key take-aways



Key take-aways

- ACER observes substantially more and longer (contractual) congestion in Europe, in particular northwest Europe, for products auctioned in 2022
- ACER was not able to monitor effectively the presence of physical congestion based on available data
- ACER expects TSOs take action to maximise capacities and manage congestions and NRAs to monitor these actions, e.g.:
 - Effective application of measures to manage contractual congestion
 - Maximising firm capacities, maximising bundling of capacities
 - Invest where appropriate to do so
 - Raise transparency

Thank you! Any questions?





