Annex 1



Entry and exit network charge tariffs for the natural gas transmission system in Slovenia

The simplified tariff model represents the matrix model for determination of network charge tariffs and is prepared on the basis of Article 30(2)(b) of the Commission Regulation (EU) 2017/460 of 16 March 2017 establishing a Network Code on Harmonised Transmission Tariff Structures for Gas

Content

Setting the entry and exit network charge tariffs with the use of a matrix methodology

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Setting the entry and exit network charge tariffs with the use of a matrix methodology

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A user can use a simplified calculation of entry and exit natwork charge tariffs for an individual entry or exit point on the basis of the entry of an average daily booking in an individual entry or exit point (green coloured fields)

When looking for the appropriate correction factor for entry and exit tariffs to achieve the expected target revenue "Excel Solver" is used, which must be enabled beforehand by the user prior (File \rightarrow Options \rightarrow Add-ins \rightarrow Excel add-ins \rightarrow Solver)

User Account Process:

Input of average daily booked capacity in an individual entry or exit point , which must not exceed the technical capacity of an individual point of the transmission system.

	Average booking of transmission capacity [kWh/day]			
Entry/Exit points	Entry capacity [kWh/day]	Exit capacity [kWh/day]		
Slovenia	0	53.212.366		
Ceršak	44.336.352	0		
Rogatec	1.004.773	13.427.254		
Šempeter pri Gorici	1.797.658	692.165		
	47.138.783	67.331.785		

Table for the input of average daily booked capacityin an individual entry/exit point

Activation of Excel Solver and setting the target eligible revenue of the TSO (eligible revenue of the TSO for year 20XX is e.g. EUR XX.XXX.XXX). In case if only the average daily booking is changed in a single point, only the command Solver is executed, which calculates the appropriate correction factor - factor of entry/exit tariffs to achieve the expected the target revenue and consequently the calculation of the appropriate entry and exit tariffs.

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lzb <u>e</u> rite reševa	e metodo nja:	Nelinearni GRG		~	M <u>o</u> žnosti
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Excel Solver window





Determination of entry/exit tariffs of the transmission system (Entry-Exit tarif)

Entry-Exit tariffs - without taking into account the correction factor of the entry/exit tariffs

Entry/exit tariffs [EUR/(kWh/day)] 90%				Techical capacity of entry/exit points		
Entry/exit tariffs	Entry tariffs	0.1049	0.0201	1.8267	Entry capacity	Exit capacity [kWh/day]
	Exit tariffs	Ceršak	Rogatec	Šempeter pri Gorici	[kWh/day]	
Slovenia	0.4749	0.5798	0.4950	2.3016	0	81,252,000
Ceršak	0.0944	-	0.0944	1.9211	139,216,000	0
Rogatec	0.0223	0.1272	-	1.8490	7,731,000	68,289,000
Šempeter pri Gorici	2.0297	2.1346	2.0297	-	28,534,000	25,940,000

23.02.2022



USER CALCULATION (The use of "Excel Solver")

For the user calculation of tariff items is allowed the input of expected average daily booking of transmission capacity at an individual entry/exit point in the calendar 2020. Expected average daily booked capacity must be within the limits of the technical capacity of an individual entry/exit point!

	Average booking of transmission capacity [kWh/day]		Revenues from booking of transmission capacity $[{f \epsilon}]$	
Entry/Exit points	Entry capacity [kWh/day]	Exit capacity [kWh/day]	Entry capacity [€]	Exit capacity [€]
Slovenia	0	61,414,974	0.00	29,167,165.11
Ceršak	52,012,099	0	5,456,801.13	0.00
Rogatec	3,466,924	6,207,000	69,544.59	138,343.34
Šempeter pri Gorici	1,692,726	0	3,092,147.11	0.00
Skupaj	57,171,749	67,621,974	8,618,492.83	29,305,508.45

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Total revenue (uncorrected) 37,924,001.28

Note:

Indeterminable entry/exit tariffs are determined as 90% value of determinable tariffs.

Entry-Exit tariffs - with taking into account the correction factor of the entry/exit tariffs

Entry-Exit tariffs [EUR/(kWh/day)] 90%					
Entry/Exit points	Entry tariffs	0.1090	0.0208	1.8987	
	Exit tariffs	Ceršak	Rogatec	Šempeter pri Gorici	
Slovenia	0.4936	0.6027	0.5145	2.3923	
Ceršak	0.0981	-	0.1190	1.9968	
Rogatec	0.0232	0.1322	-	1.9218	
Šempeter pri Gorici	2.1096	2.1305	2.1305	-	

	Revenues from transmission capacity booking $[\epsilon]$			
Entry/Exit points	Entry capacity [€]	Exit capacity [€]		
Slovenia	0.00	30,315,674.43		
Ceršak	5,671,672.44	0.00		
Rogatec	72,283.03	143,790.85		
Šempeter pri Gorici	3,213,905.94	0.00		
Skupaj	8,957,861.40	30,459,465.29		

Expected target revenue [€]

The calculation of appropriate correction factor of entry/exit tariffs to achieve the expected target revenue is executed with Excel Solver The The expected targer revenue should be entered as a value in the field "Value from"

Correction factor of entry/exit points to achieve target revenue Correction factor of entry/exit tariffs $K_{f(\text{EE})}$ 1.0394

39,417,326.69

Entry/Exit tariffs - Tariffs table

tbl_Entry-Exit

Entry/Exit toriffs [EUR/(kWh/doy)]	Ceršak	Rogatec	Šempeter pri Gorici	Slovenija
Entry tariff	10.90500 [cent/kWh/day]	2.08500 [cent/kWh/day]	189.86600 [cent/kWh/day]	67.61867 [cent/kWh/day]
Exit tariff	9.81400 [cent/kWh/day]	2.31700 [cent/kWh/day]	210.96200 [cent/kWh/day]	49.36200 [cent/kWh/day]