

Energy Community Regulatory Board

Status review of transmission tariffs and treatment of cross - border transmission flows and recommendations

By Aleksandar Popadic, AERS Senior Natural Gas Expert

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Content



- Background and scope of work
- Findings

Status quo and recommendations

Background



 Cross – Border Transmission tarification – ECRB GWG Work Programme 2010 Task Force

 Examine current status of cross- border transmission charges in SEE

How to avoid or minimize pan caking effect on regional level

Scope of work



- Examine the interaction between cross-border transmission and national transmission
- Identify the status quo of TPA to cross-border transmission pipelines in each jurisdiction
- Identify possible different treatment of cross- border transmission and national transmission
- Is there a need for common tarification rules for transport and is common rules can increase the efficiency of usage of the pipeline?
- Propose adequate solutions for tarification rules to be implemented on the regional level

Cross – Border Transmission tarification Questionnaire



- Questionnaire was sent to Energy Community Contracting Parties,
 Observer Countries and Neighbouring Participants
- 10 Completed questionnaires have been received
- 5 Contracted parties BiH, Croatia, Serbia, FYR of Macedonia and UNMIK
- 5 Neighbouring Participants Austria, Bulgaria, Italy, Slovenia and Greece
- Albania and Montenegro didn't answer due the fact they don't have gas market
- Data for Hungary and Romania have been collected from different reports
- Austria, Bulgaria, Hungary, Romania, Slovenia and Serbia are natural gas cross- border transmission countries

I. NETWORK ACCESS



Country	Regulated TPA to national transmission / cross- border transmission	Relevant entry/exit point approved by regulator for national transmission and cross- border transmission	Different treatment for national and cross- border transmission	
Austria	YES / YES	YES / YES	YES (different tariff and market rules)	
Bulgaria	YES / NO	YES / NO	YES	
Greece	YES / YES	YES / YES	NO	
Hungary	YES / NO NA		YES (rTRA and nTPA on CB)	
Italy	YES / YES	YES / YES	NO	
Slovenia	Slovenia YES / YES YES / YES		YES (different tariff and market rules)	
Romania	YES / NO	YES / NO	YES	
Bosnia and Herzegovina	NO (no legal framework)	NA	NA	
Croatia	YES / YES	NO (all relevant)	NO	
Serbia	YES / NO	YES / YES	YES (different access rules, tariff and market rules)	
FYR of Macedonia	YES / YES	YES / NO	NA	

II. CAPACITY MARKET STRUCTURE



Country	Cross- border transmission capacity share/ long term booked/ to/ shippers number	Utilization rate Cross- border transmission / national transmission / whole system	Number and biggest shipper share cross- border transmission / national transmission / whole system		
Austria	80% / 90% / 2020 / 5 shippers	80% / 90% / 2020 / 5 shippers - / - / 100%			
Bulgaria	69% / 100% / 2030 / 1 shipper	100% / 45% / -	1,100%/386,70% / -,-		
Italy	0%	- / 70%/ 70%	-,-/ 69,55%/ 69, 55%		
Slovenia	42,8%/100% / >= 1 year/ 1 shipper	83% / 51% / 65%	1,100%/4,88% /5,95%		
Bosnia and Herzegovina	0%	- / 35 % / 35 %	- ,- / 1,100%/ 1,100%		
Croatia	0%	- / 39 % / 39 %	- ,- / 39,-/ -,-,		
Serbia	12% / 100% / 2018 / 1 shipper	36% / 43% / 42%	1,100%/2,95% /3, 85%		
FYR of Macedonia	0% / - / 1 shipper	NA	1		

III. REGULATED TARIFFS – TARIFF MODEL 1



Country	Tariff model applied national transmission / cross- border transmission	Price allocation between capacity and commodity national transmission / cross- border transmission	Tariff include cost of national transmission / cross- border transmission	
Austria	Post stamp / distance related	70%-30% / -	fuel gas / -	
Bulgaria	Post stamp / nTPA	- / 90% - 10%	fuel gas / -	
Greece	Post stamp / Post stamp	90% - 10%	Fuel gas, Shrinkage, Quality conversation, line pack, temporary storage for LNG	
Hungary	Entry exit / Entry exit & nTPA	85-90% - 15- 10% / 65%-90% -35-10%	NA	
Italy	De-coupled entry-exit	85% - 15%	Fuel gas, Shrinkage, Wheeling, Quality conversation, Operational Balancing	
Romania	Entry exit / nTPA	NA	NA	
Slovenia	Post stamp / nTPA	100%-0% for both	Fuel gas, Shrinkage / Fuel gas	
Bosnia and Herzegovina	NA	NA	NA	
Croatia	Post stamp	100%-0%	Fuel gas, Shrinkage	
Serbia	Post stamp / nTPA	30%-70% / 0% - 100%	Fuel gas, Shrinkage / -	
FYR of Macedonia	Post stamp	13%-87% / -	-	

III. REGULATED TARIFFS – TARIFF MODEL 2



Country	Depreciation of grid assets	Efficiency (X) factor	WACC (real, pre-tax)	Gearing debt/ (debt + equity)	Risk free rate	Return on equity	Return on Debt
	years	%	%	%	%	%	%
Austria	40/50	1.95/ -	6.97/ 11.07	60 / 60	4.21 / -	10.22 / -	4.81/-
Bulgaria	25	F (O, C) / -	5/5	0	0.5-1	5	0
Greece	40	0	NA	NA	N.A.	N.A.	N.A.
Hungary	N.A.	1.8%/ -	6.9 / -	NA	N.A.	N.A.	N.A.
Italy	50	2	6.4	44.45	4.4	6.7	4.85
Romania	40	N.A.	7.88	Romanian bonds	N.A.	N.A.	N.A.
Slovenia	40 / NA	0 / NA	6.05 / NA	60 / NA	NA/NA	7.18/NA	4/NA
Bosnia and Herzegovina	NA	NA	NA	NA	NA	NA	NA
Croatia	NA	NA	NA	NA	NA	NA	NA
Serbia	33 / NA	-/-	7.5	60% / NA	4/NA	10/NA	5.1/NA
FYR of Macedonia	40	0	9.46	98	7.17	8.56	5.73

III. REGULATED TARIFFS – TARIFF MODEL 3



- EU countries have tariffs for interruptible and short- term capacities for national transmission entry points
- Austria and Italy tariffs for interruptible and short- term capacities for crossborder entry points
- No positive answers for non-physical back- flow
- Entry- exit model is applied in Italy, Romania and Hungary
- Italian TSO guarantees network users exit capacity which is minimally equal to entry capacity for minimum 1 month period
- Cross- border shipper can book entry capacity for 1 day period in Austria, except TAG, Slovenia, Romania, Hungary and Croatia
- Only one cross- border shipper in Slovenia, Bulgaria and Serbia
- Cross- border shipper can not book entry capacity for period less than 1 year in Italy
- Some regulators did not sent data about contract duration, expiry data, max. daily quantity define in long term contracts and comparison between "transit prices" and tariff for national transmission
- Long term contracts expiries from 2016 2030

IV. BARRIERS TO CROSS BORDER TRADE



Country	Destination / English clauses applied in supply contracts	Other limitation for network access	Custom duties / other taxes	Other barriers
Austria	Not known / Not known	Contractual congestion	Customs duties	CAM is FCFS. Guidelines foresee auctions and pro rata in some cases
Bulgaria	YES / NO	NO	Excises duties	NA
Italy	NO / NO	NA	Customs duties	NA
Slovenia	Not known / Not known	Existing long term contracts	NO	NA
Bosnia and Herzegovina	Not known / Not known	NA	Import taxes	NA
Croatia	Not known / Not known	NO	NA	NA
Serbia	YES / NO	CAM and CMP is not defined	NO	NA
FYR of Macedonia	NA	NA	NA	NA
UNMIK	NA	NA	NA	NA

STATUS QUO 1



- Serbia BiH is the only cross border connection between contracting parties
- Regulated TPA for national transmission and long term contracts for cross- border transmission
- Different access, market rules and tariffs exist in all countries with physical cross- border transmission
- All or almost all (90%) cross- border transmission capacity is long term booked
- Only Austria have more shippers, but the biggest is dominant 90% capacity
- Italy, Hungary and Romania have entry exit and all other countries have post stamp tariff model for national transmission
- Slovenia is only transit country with same price allocation ratio
 between capacity and commodity for national transmission and transit
- Capacity part in transmission cost varies from 0% to 100%

STATUS QUO 2



- Depreciation period for grid assets varies from 25 to 50 years
- Efficiency factor X is implemented in Austria, Hungary and Italy
- Some Contracting Parties did not send data on tariff model details like WACC, Gearing, Risk free rate, Return on equity and Return on Debt
- Capacity trading on secondary market is defined only in Croatia and EU countries
- In Serbia and FYR of Macedonia secondary trading is not addressed in the actual legislation
- Austria, Italy and Hungary reported that TSO has on line trading platform which is in function
- Bulgaria and Serbia reported destination clause in supply contracts
- English clause is not applied in any country
- Only BiH from Contracting Parties has some kind of import taxes

RECOMMENDATIONS 1



- Lack of compliance with Directive 2003/55/EC with different treatment of national and cross border transmission in "transit countries" needs to be abolished
- Regulated TPA to all gas pipelines has to be stipulated
- Energy Community Secretariat and national authorities to take responsibility for role of ensuring the implementation of the Energy Community acquis
- Introduction of congestion management mechanisms and capacity allocation procedures - Regulation (EC)1775/2005
- Efficient capacity trade on the secondary market shippers obligation to offer non used capacity (UIOSI, UIOLI)

RECOMMENDATIONS 2



 Legal provisions addressing related regulatory powers have to be included in legislation (where are not in place)

Discussion issues:

- The ECRB should closely follow the development of gas tariffication framework guidelines on European level with a view to further elaborate on this issue in the EnC
- Regional capacity allocation concept ("one stop shop") in a mid/long term perspctive



Thank you!

aleksandar.popadic@aers.rs