



**Demand assessment report
for incremental capacity
between *Trans Adriatic Pipeline, Snam Rete
Gas and DESFA***

– Document for publication –

2024-04-10



This report is a joint assessment of the potential for incremental capacity projects conducted by

Trans Adriatic Pipeline AG

Snam Rete Gas SpA

DESFA SA

Lindenstrasse 2
6340 Baar
Switzerland
T: +41 41 747 3400
F: +41 41 747 3401

Piazza Santa Barbara, 7
20097 San Donato Milanese
Italy
T: +390237039727

357-359 Messogion Ave.,
Chalandri, 15231
Greece

T: +302130884079

E: market.test@tap-ag.com
www.tap-ag.com

E: ipa@snam.it
www.snam.it

E: market-test@desfa.gr
g.doumouras@desfa.gr

www.desfa.gr



TABLE OF CONTENTS

A.	Non-binding demand indications	4
1.	Non-binding demand indications for Forward Firm Capacity	6
1.1	Aggregated demand at TAP Entry Kipoi	6
1.2	Aggregated demand IP Melendugno TAP Exit, SRG Entry	7
1.3	Aggregated demand at IP Komotini	8
1.4	Aggregated demand IP Nea Mesimvria DESFA Exit, TAP Entry – Forward Firm Capacity	8
1.5	Aggregated demand at IP Nea Mesimvria TAP Exit, DESFA entry – Forward Firm Capacity .	9
1.6	Aggregated non-binding demand at Kuçovë- TAP Entry	9
1.7	Aggregated non-binding demand at IP Fier TAP Entry	10
2.	Conditionalities.....	10
B.	Demand assessment.....	11
1.	Historical usage pattern	14
2.	Results of current annual yearly auction.....	17
3.	Relations to GRIPS, TYNDP, NDPs.....	18
4.	Expected amount, direction and duration of demand for incremental capacity	20
C.	Conclusion for the initiation of an incremental capacity project/process.....	21
D.	Provisional timeline	21
E.	Interim arrangements for the auction of existing capacity on concerned IP(s).....	22
F.	Fees.....	22
G.	FURTHER COSTS.....	22
H.	Contact information	23

A. NON-BINDING DEMAND INDICATIONS

Background

Trans Adriatic Pipeline (**TAP**), Snam Rete Gas (**SRG**) and DESFA have launched the Demand Assessment Phases of the Incremental Capacity process on 3rd July 2023, in line with the provisions of Article 26 of Commission Regulation (EU) 2017/459 establishing a network code on capacity allocation mechanisms in gas transmission systems (**CAM NC**).

The Interested Parties have been given the opportunity to revise the already submitted 2023 non-binding demand indications (sent to the TSOs between July-August 2023) within 2 weeks from the publication of the outcome of the second Binding Phase of the 2021 Market Test on 18 January 2024 (**Revision Window**).¹

In particular, during the Revision Window, launched on 19 January 2024 and lasting until 2nd February 2024 TAP, SRG and DESFA, gave the opportunity to all Interested Parties to revise their non-binding demand indications and/or to submit new non-binding demand indications.

The non-binding demand indications that were received by the TSOs until 2nd February, have as a conclusion the start of the technical design for an incremental capacity project in the coordinated design phase by the TSOs, one day after the publication of the Demand Assessment Report (**DAR**) and in line with the CAM NC provisions.

- TAP

TAP conducts its Market Test process under the Guidelines for the 2023 Market Test of Trans Adriatic Pipeline (**the Guidelines**) which define the rules and procedures to be followed in the 2023 Market Test process. These Guidelines reflect TAP's specific regulatory regime for the performance of its Market Tests. They seek to align the provisions of the Final Joint Opinion of the Energy Regulators on TAP AG's Exemption Application, dated 6 June 2013, granted by the Authorities pursuant to Directive 2009/73/EC (**FJO**) and of TAP's Tariff Code with the CAM NC.

TAP launched the 2023 Market Test on the 3rd of July, in coordination with its adjacent TSOs, and invited parties to submit Non-Binding Demand Indications by expressing interest for non-binding Capacity Requests, and/or Connection Requests as per the Guidelines until 28 August 2023. In addition, through the Guidelines, TAP allowed the possibility to the interested parties to revise the non-binding interest during the Revision Window which took place between 19 January and 2nd February 2024 and reinforced the right of any interested party to submit Non-Binding Demand Indications after the 8 weeks deadline, upon TAP's reservation of rights to accept such interest, in line with the provisions of Article 26(7) of CAM NC. The non-binding demand indications accounted for in this report were sub-

¹ [2021 Market test > Trans Adriatic Pipeline \(TAP\) \(tap-ag.com\)](https://tap-ag.com)

mitted by the interested parties to TAP in compliance with the 8 weeks deadline set out in the Guidelines (by 28 August 2023)², and the revised or new non-binding demand indications received (if applicable) during the Revision Window that took place between 19 January – 2nd February 2024, in line with the right of the parties to submit non-binding demand indications to the TSOs beyond the 8 weeks deadline, as per Article 26(7) CAM NC.

The non-binding demand indications are listed in an aggregated manner per each of TAP's interconnection points with the adjacent Transmission System Operators (**TSOs**) who launched the Incremental Capacity processes as per the provisions of the CAM NC, namely SRG and DESFA. TAP also publishes the non-binding demand indications received at TAP's side of the interconnection point at Komotini (IGB)³, Kipoi (with TANAP)⁴ and at foreseen interconnection points in Albania, Fier and Kuçove. In addition, TAP hereby publishes the non-binding Connection Requests⁵ received by TAP at various locations in Albania.

- SRG

SRG received most of the non-binding demand indications by the interested parties in compliance with the 8 weeks deadline set out as per Article 26(6) CAM NC. The non-binding demand indications refer to incremental capacities at the interconnection point Melendugno Entry. The received non-binding demand shall be considered according to Article 26(7) CAM NC for the current cycle of incremental capacity as revised during the Revision Window that took place between 19 January – 2nd February 2024.

These non-binding demand indications have been reported in the tables in this Demand Assessment Report as received by SRG including the revised ones.

- DESFA

On July 3rd, DESFA invited all interested parties to submit non-binding demand indications for incremental capacity at existing or new Interconnection Points of the Greek Natural Gas Transmission System, according to the provisions of CAM NC. DESFA received non-binding demand indication(s) by interested party(ies) within the 8 weeks deadline set out as per Article 26(6) CAM NC, regarding Nea Mesimvria Exit Point. The aggregated non-binding demand indication(s) as received by DESFA is presented in table 1.4 below.

² The Guidelines may be found on TAP's Market Test [webpage](#).

³ Please note that TAP published a separate DAR with IGB for the IP Komotini on TAP's website [2023 Market test > Trans Adriatic Pipeline \(TAP\) \(tap-ag.com\)](#)

⁴ TANAP is not covered by the incremental capacity process of the CAM NC.

⁵ As per the [Guidelines for the 2023 Market Test of TAP AG](#), as approved by the Greek, Italian and Albanian NRAs in June 2023 and Sections 4.7.5 and 4.7.8 of the Final Joint Opinion of the National Regulatory Authorities on the exemption of TAP from the requirements on third party access, tariff regulation and ownership unbundling laid down in Articles 9, 32, 41(6), 41(8) and 41(10) of Directive 2009/73/EC: a Connection Request means a non-binding request to TAP from an Interested Party to build a new entry and/or exit point in Albania or Greece and/or to increase the technical capacity of an already existing entry and/or exit point in Albania.

The below tables show the aggregated non-binding demand indications per IP and a breakdown of the non-binding demand indications for Forward Firm Capacity.

1. Non-binding demand indications for Forward Firm Capacity

1.1 Aggregated demand at TAP Entry Kipoi

The aggregated non-binding demand indications received by TAP for the entry point of Kipoi are shown below:

<i>Entry Capacity</i>	<i>Quarter</i>	<i>Amount kWh/d</i>
TAP	Q4-2027	30,000,000
TAP	Q1-2028	112,614,372
TAP	Q2-2028	112,614,372
TAP	Q3-2028	112,614,372
TAP	Q4-2028	271,465,372
TAP	Q1-2029	338,192,364
TAP	Q2-2029	338,192,364
TAP	Q3-2029	338,192,364
TAP	Q4-2029	338,192,364
TAP	Q1-2030	271,465,372
TAP	Q2-2030	271,465,372
TAP	Q3-2030	271,465,372
TAP	Q4-2030	271,465,372
TAP	Q1-2031	246,045,565
TAP	Q2-2031	246,045,565
TAP	Q3-2031	246,045,565
TAP	Q4-2031	246,045,565
TAP	Q1-2032	217,448,283
TAP	Q2-2032	217,448,283
TAP	Q3-2032	217,448,283
TAP	Q4-2032	217,448,283
TAP	Q1-2033	217,448,283
TAP	Q2-2033	217,448,283
TAP	Q3-2033	217,448,283
TAP	Q4-2033	217,448,283
TAP	Q1-2034	211,093,331
TAP	Q2-2034	211,093,331
TAP	Q3-2034	211,093,331
TAP	Q4-2034	211,093,331
TAP	Q1-2035	188,851,000
TAP	Q2-2035	188,851,000
TAP	Q3-2035	188,851,000
TAP	Q4-2035	188,851,000
TAP	Q1-2036	188,851,000
TAP	Q2-2036	188,851,000
TAP	Q3-2036	188,851,000
TAP	Q4-2036	188,851,000
TAP	Q1-2037	188,851,000
TAP	Q2-2037	188,851,000
TAP	Q3-2037	188,851,000
TAP	Q4-2037	158,851,000
TAP	Q1-2038	158,851,000
TAP	Q2-2038	158,851,000
TAP	Q3-2038	158,851,000

1.2 Aggregated demand IP Melendugno TAP Exit, SRG Entry

The aggregated non-binding demand indications which were received by both TAP and SRG for IP Melendugno are shown below:

<i>From Exit Capacity</i>	<i>To Entry Capacity</i>	<i>Quarter</i>	<i>Amount kWh/d</i>
TAP	SRG	Q4-2024	10,000,000
TAP	SRG	Q1-2025	10,000,000
TAP	SRG	Q2-2025	10,000,000
TAP	SRG	Q3-2025	10,000,000
TAP	SRG	Q4-2025	32,000,000
TAP	SRG	Q1-2026	32,000,000
TAP	SRG	Q2-2026	32,000,000
TAP	SRG	Q3-2026	32,000,000
TAP	SRG	Q4-2026	32,000,000
TAP	SRG	Q1-2027	32,000,000
TAP	SRG	Q2-2027	32,000,000
TAP	SRG	Q3-2027	32,000,000
TAP	SRG	Q4-2027	62,000,000
TAP	SRG	Q1-2028	144,614,372
TAP	SRG	Q2-2028	144,614,372
TAP	SRG	Q3-2028	144,614,372
TAP	SRG	Q4-2028	306,465,372
TAP	SRG	Q1-2029	373,192,364
TAP	SRG	Q2-2029	373,192,364
TAP	SRG	Q3-2029	373,192,364
TAP	SRG	Q4-2029	385,192,364
TAP	SRG	Q1-2030	318,465,372
TAP	SRG	Q2-2030	318,465,372
TAP	SRG	Q3-2030	318,465,372
TAP	SRG	Q4-2030	318,465,372
TAP	SRG	Q1-2031	293,045,565
TAP	SRG	Q2-2031	293,045,565
TAP	SRG	Q3-2031	293,045,565
TAP	SRG	Q4-2031	293,045,565
TAP	SRG	Q1-2032	264,448,283
TAP	SRG	Q2-2032	264,448,283
TAP	SRG	Q3-2032	264,448,283
TAP	SRG	Q4-2032	264,448,283
TAP	SRG	Q1-2033	264,448,283
TAP	SRG	Q2-2033	264,448,283
TAP	SRG	Q3-2033	264,448,283
TAP	SRG	Q4-2033	264,448,283
TAP	SRG	Q1-2034	258,093,331
TAP	SRG	Q2-2034	258,093,331
TAP	SRG	Q3-2034	258,093,331
TAP	SRG	Q4-2034	248,093,331
TAP	SRG	Q1-2035	225,851,000
TAP	SRG	Q2-2035	225,851,000
TAP	SRG	Q3-2035	225,851,000
TAP	SRG	Q4-2035	203,851,000
TAP	SRG	Q1-2036	203,851,000
TAP	SRG	Q2-2036	203,851,000
TAP	SRG	Q3-2036	203,851,000

TAP	SRG	Q4-2036	203,851,000
TAP	SRG	Q1-2037	203,851,000
TAP	SRG	Q2-2037	203,851,000
TAP	SRG	Q3-2037	203,851,000
TAP	SRG	Q4-2037	173,851,000
TAP	SRG	Q1-2038	173,851,000
TAP	SRG	Q2-2038	173,851,000
TAP	SRG	Q3-2038	173,851,000
TAP	SRG	Q4-2038	15,000,000
TAP	SRG	Q1-2039	15,000,000
TAP	SRG	Q2-2039	15,000,000
TAP	SRG	Q3-2039	15,000,000
TAP	SRG	Q4-2039	15,000,000
TAP	SRG	Q1-2040	15,000,000
TAP	SRG	Q2-2040	15,000,000
TAP	SRG	Q3-2040	15,000,000
TAP	SRG	Q4-2040	12,000,000
TAP	SRG	Q1-2041	12,000,000
TAP	SRG	Q2-2041	12,000,000
TAP	SRG	Q3-2041	12,000,000

1.3 Aggregated demand at IP Komotini

The aggregated non-binding demand indications received by TAP for IP Komotini are shown below:

<i>Exit Capacity</i>	<i>Gas Year</i>	<i>Amount kWh/d</i>
TAP	2025/2026	14,520,548
TAP	2026/2027	29,520,548
TAP	2027/2028	29,520,548
TAP	2028/2029	29,520,548
TAP	2029/2030	14,520,548
TAP	2030/2031	14,520,548
TAP	2031/2032	14,520,548
TAP	2032/2033	14,520,548
TAP	2033/2034	14,520,548
TAP	2034/2035	14,520,548
TAP	2035/2036	14,520,548
TAP	2036/2037	14,520,548
TAP	2037/2038	14,520,548
TAP	2038/2039	14,520,548
TAP	2039/2040	14,520,548
TAP	2040/2041	14,520,548
TAP	2041/2042	14,520,548
TAP	2042/2043	14,520,548

1.4 Aggregated demand IP Nea Mesimvria DESFA Exit, TAP Entry – Forward Firm Capacity

The aggregated non-binding demand indications referring to TAP's Forward Firm Capacity received by both TAP and DESFA for IP Nea Mesimvria are shown below:

<i>From Exit Capacity</i>	<i>To Entry Capacity</i>	<i>Gas Year</i>	<i>Amount kWh/d</i>
DESFA	TAP	2025/2026	22,000,000
DESFA	TAP	2026/2027	52,000,000
DESFA	TAP	2027/2028	52,000,000

DESFA	TAP	2028/2029	52,000,000
DESFA	TAP	2029/2030	37,000,000
DESFA	TAP	2030/2031	37,000,000
DESFA	TAP	2031/2032	37,000,000
DESFA	TAP	2032/2033	37,000,000
DESFA	TAP	2033/2034	37,000,000
DESFA	TAP	2034/2035	37,000,000
DESFA	TAP	2035/2036	15,000,000
DESFA	TAP	2036/2037	15,000,000
DESFA	TAP	2037/2038	15,000,000
DESFA	TAP	2038/2039	15,000,000
DESFA	TAP	2039/2040	15,000,000

1.5 Aggregated demand at IP Nea Mesimvria TAP Exit, DESFA entry – Forward Firm Capacity

<i>From Exit Capacity</i>	<i>To Entry Capacity</i>	<i>Gas Year</i>	<i>Amount kWh/d</i>
TAP	DESFA	2025/2026	14,520,548
TAP	DESFA	2026/2027	34,520,548
TAP	DESFA	2027/2028	34,520,548
TAP	DESFA	2028/2029	34,520,548
TAP	DESFA	2029/2030	34,520,548
TAP	DESFA	2030/2031	34,520,548
TAP	DESFA	2031/2032	34,520,548
TAP	DESFA	2032/2033	34,520,548
TAP	DESFA	2033/2034	34,520,548
TAP	DESFA	2034/2035	34,520,548
TAP	DESFA	2035/2036	34,520,548
TAP	DESFA	2036/2037	34,520,548
TAP	DESFA	2037/2038	34,520,548
TAP	DESFA	2038/2039	34,520,548
TAP	DESFA	2039/2040	34,520,548
TAP	DESFA	2040/2041	14,520,548
TAP	DESFA	2041/2042	14,520,548
TAP	DESFA	2042/2043	14,520,548

1.6 Aggregated non-binding demand at Kuçovë- TAP Entry

The aggregated non-binding demand indications received by TAP for a potential future entry point in Albania at Kuçovë are shown below:

<i>Entry Capacity</i>	<i>Gas Year</i>	<i>Amount kWh/d</i>
TAP	2028/2029	3,000,000
TAP	2029/2030	15,000,000
TAP	2030/2031	15,000,000
TAP	2031/2032	15,000,000
TAP	2032/2033	15,000,000
TAP	2033/2034	15,000,000
TAP	2034/2035	15,000,000
TAP	2035/2036	15,000,000
TAP	2036/2037	15,000,000

TAP	2037/2038	15,000,000
TAP	2038/2039	15,000,000
TAP	2039/2040	15,000,000
TAP	2040/2041	12,000,000

In addition to the request for capacity at Kuçovë in Albania, TAP has also received a non-binding Connection Request for facilitating such an entry point at Kuçovë, Albania.

1.7 Aggregated non-binding demand at IP Fier TAP Entry

Entry Capacity	Gas Year	Amount kWh/d
TAP	2025/2026	29,041,096
TAP	2026/2027	29,041,096
TAP	2027/2028	29,041,096
TAP	2028/2029	29,041,096
TAP	2029/2030	29,041,096
TAP	2030/2031	29,041,096
TAP	2031/2032	29,041,096
TAP	2032/2033	29,041,096
TAP	2033/2034	29,041,096
TAP	2034/2035	29,041,096
TAP	2035/2036	29,041,096
TAP	2036/2037	29,041,096
TAP	2037/2038	29,041,096
TAP	2038/2039	29,041,096
TAP	2039/2040	29,041,096
TAP	2040/2041	29,041,096
TAP	2041/2042	29,041,096
TAP	2042/2043	29,041,096

In addition to the non-binding request for capacity at the IP Fier in Albania, TAP has also received a non-binding Connection Requests concerning Fier.

TAP intends to engage in separate discussions for the Kucove and Fier non-binding Connection Requests with TAP's interconnecting TSO in Albania and the interested parties.

2. Conditionalities

A number of interested parties specified conditionalities, as per Article 26(8) letter d) of CAM NC, applicable to their non-binding Capacity Requests in TAP, such as LNG regasification being available in Albania, from a certain start date.

Nonetheless, the main conditionality refers to linking commitments at different interconnection points (*i.e.* interest in entry capacity to TAP being conditional upon the same amount of capacity being allocated at the requested exit point of TAP as well as at the entry to the relevant adjacent TSO).

DESFA has also received at least one non-binding request that links Nea Mesimvria IP with another point of DESFA System.

B. DEMAND ASSESSMENT

The Demand Assessment Phase commenced immediately after the start of the Annual Yearly Capacity Auction, as specified in Article 11(4) of CAM NC.

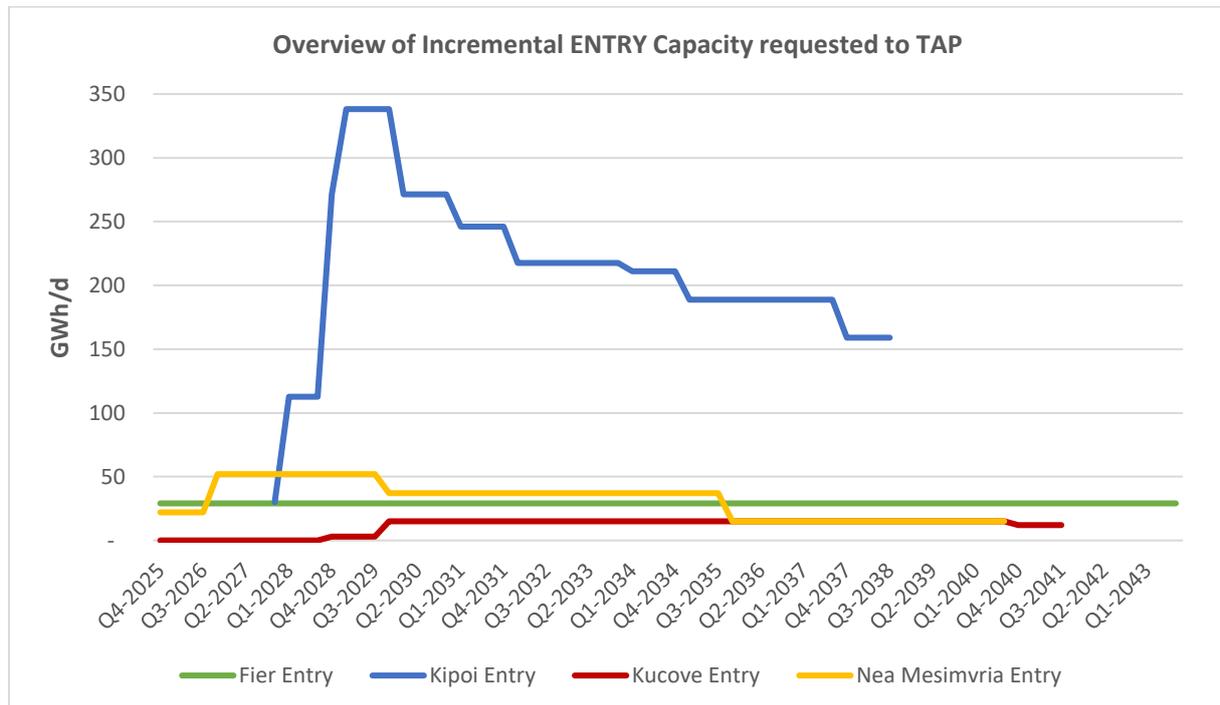
The TSOs issuing this market Demand Assessment Report gave network users the opportunity to submit non-binding demand indications to quantify potential demand for incremental capacity starting from July 2023 in compliance with the timeline provided by Article 26(2) CAM NC and the Guidelines. As mentioned above, in addition, the Interested Parties have been given the opportunity to revise the submitted 2023 non-binding demand indications (sent to TSOs between July – end August 2023) in a period of 2 weeks from the publication of the outcome of the second Binding Phase of the 2021 Market Test on 18 January 2024 (Revision Window).

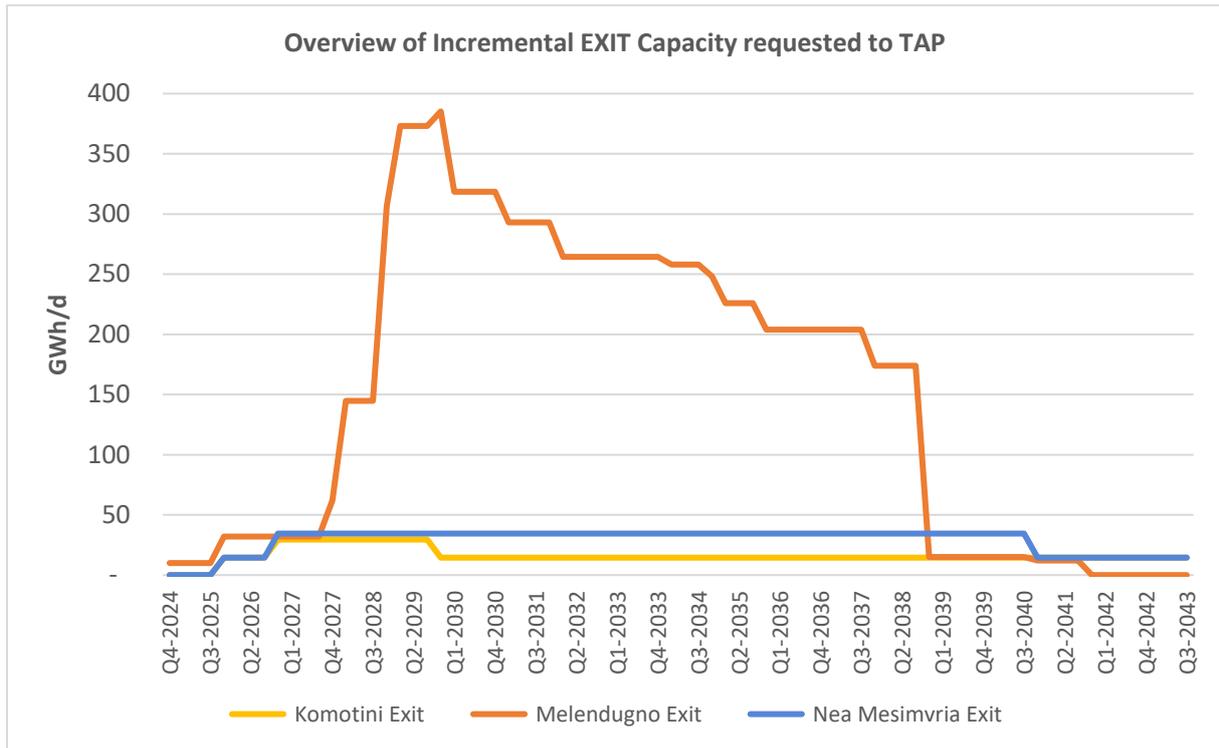
At the same time, during the Revision Window which lasted from 19 January until 2nd February 2024, the TSOs were also explicit that the market can either review the non-binding demand indications already submitted and/or submit new non-binding demand indications to TAP, SRG and DESFA.

The entirety of non-binding demand indications that were received, have as a conclusion the start of the technical design for an incremental capacity project in the coordinated design phase by the three TSOs.

- TAP

In total, TAP has received the following maximum amounts expressed in GWh/d, as shown in the graphs below:





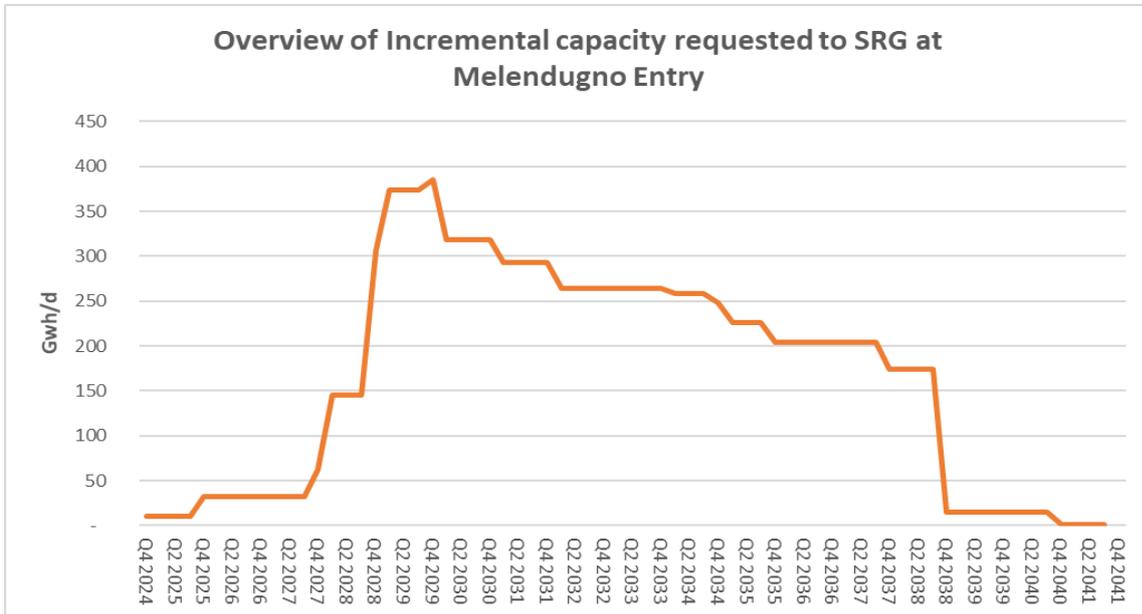
In accordance with Section 4.7.5 and 4.7.8 of the FJO and to the Guidelines for the 2023 Market Test of Trans Adriatic Pipeline, approved by the NRAs in June 2023, interested parties could also submit non-binding requests to build a new entry and/or exit point in Albania or Greece and/or to increase the technical capacity of an already existing entry and/or exit point in Albania.

TAP has thus received the following non-binding Connection Requests in Albania:

Entry/exit point	Capacity requested KWh/d	Duration Gas Years
Fier (entry)	29,041,096	2025 - 2042
Kucove (entry)	Envisaged technical capacity of 1.5 MMscm/d	From Q4 2028 onwards

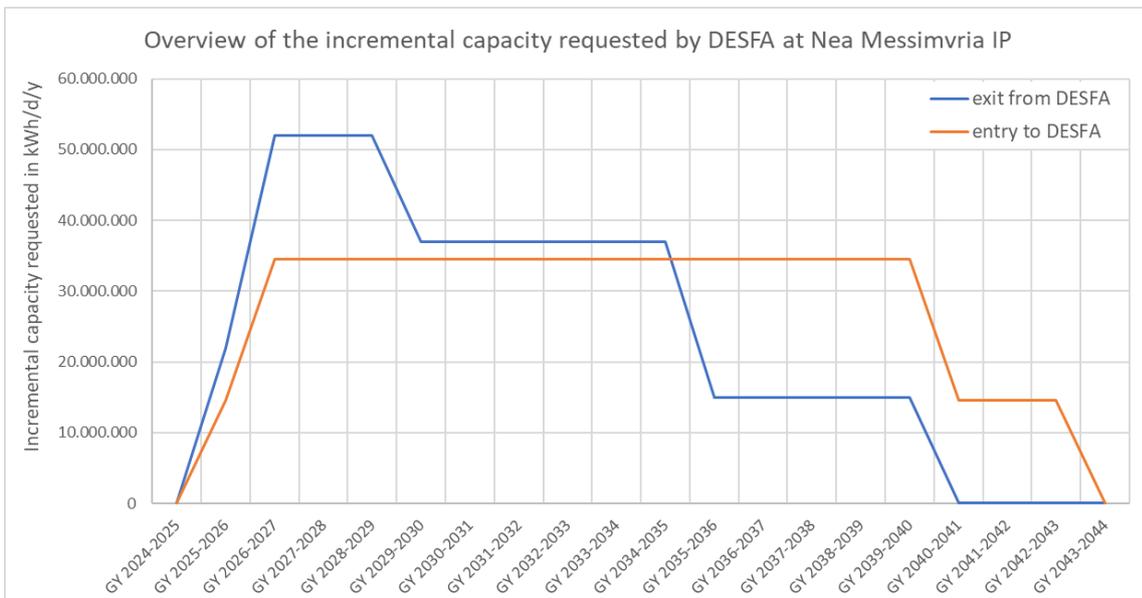
- SRG

In total, SRG has received the following maximum amounts expressed in GWh/d, as shown in the graph below:



- DESFA

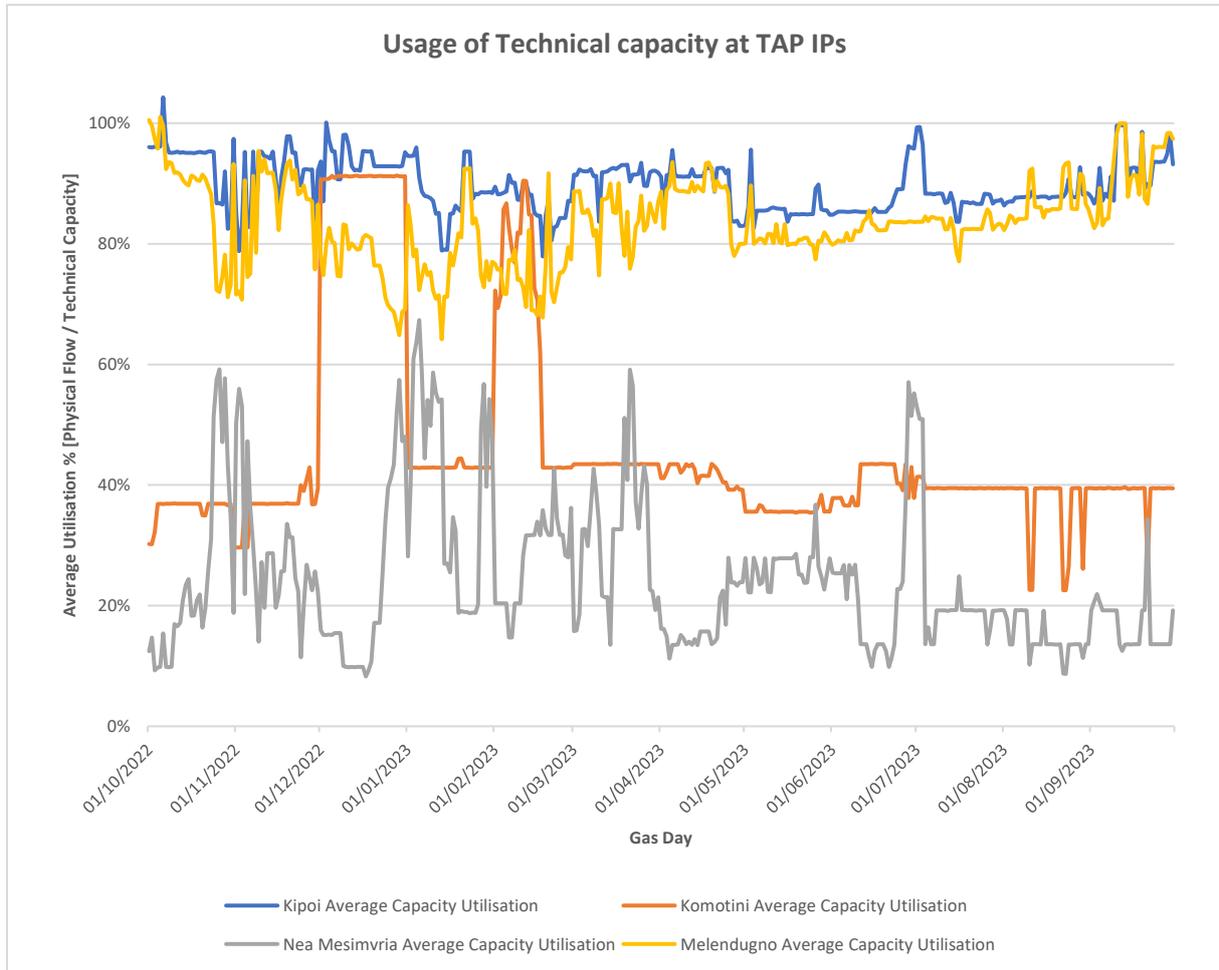
In total, DESFA has received the following maximum amounts expressed in kWh/d, as shown in the graph below:



1. Historical usage pattern

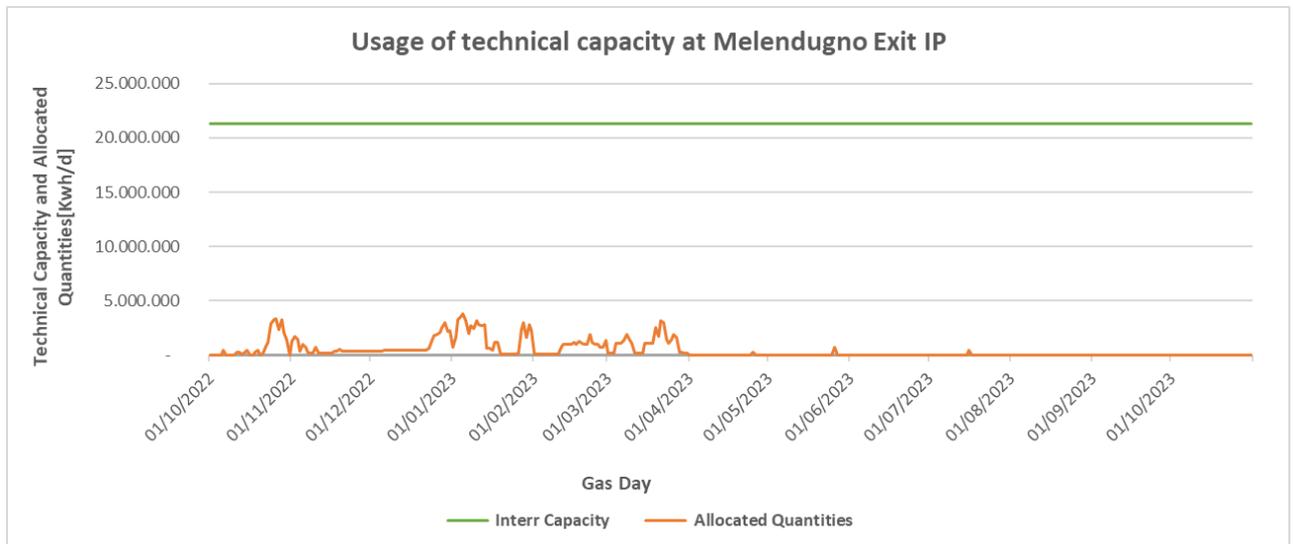
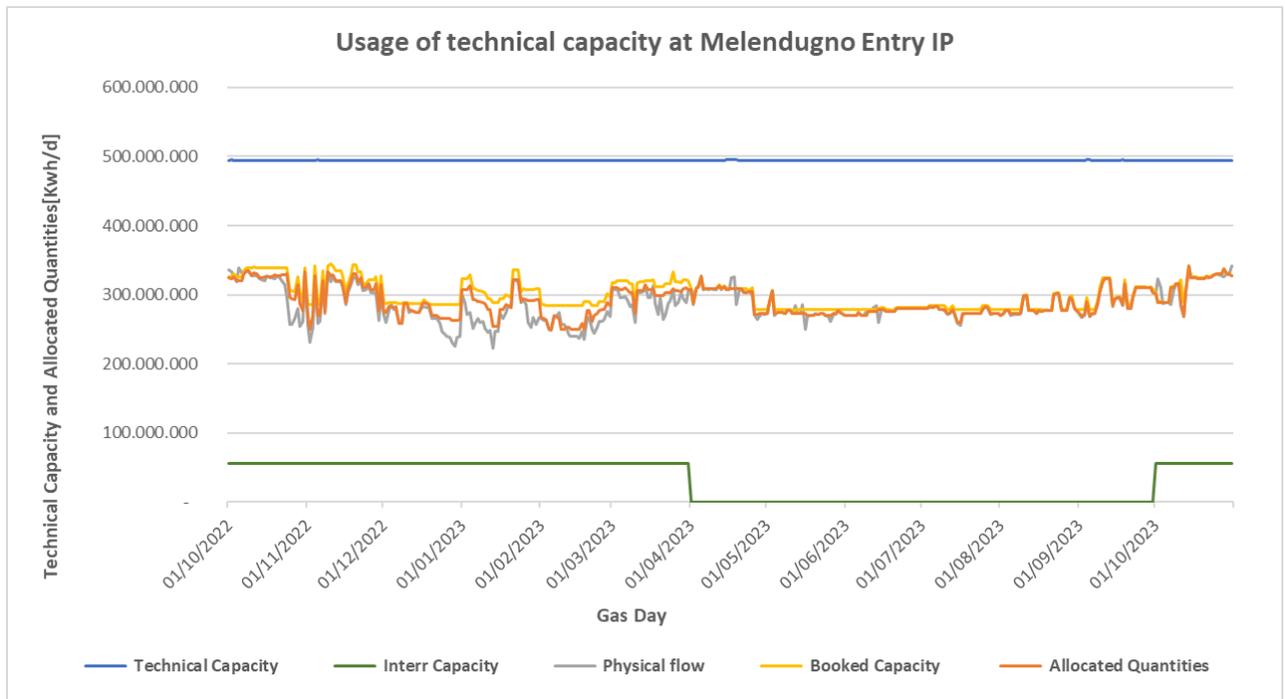
The utilization of the technical capacity is presented in the charts below by comparing the technical capacity with the booked capacity, as well as the allocated commercial flows and physical flows during Gas Year 2022 – 2023.

- TAP



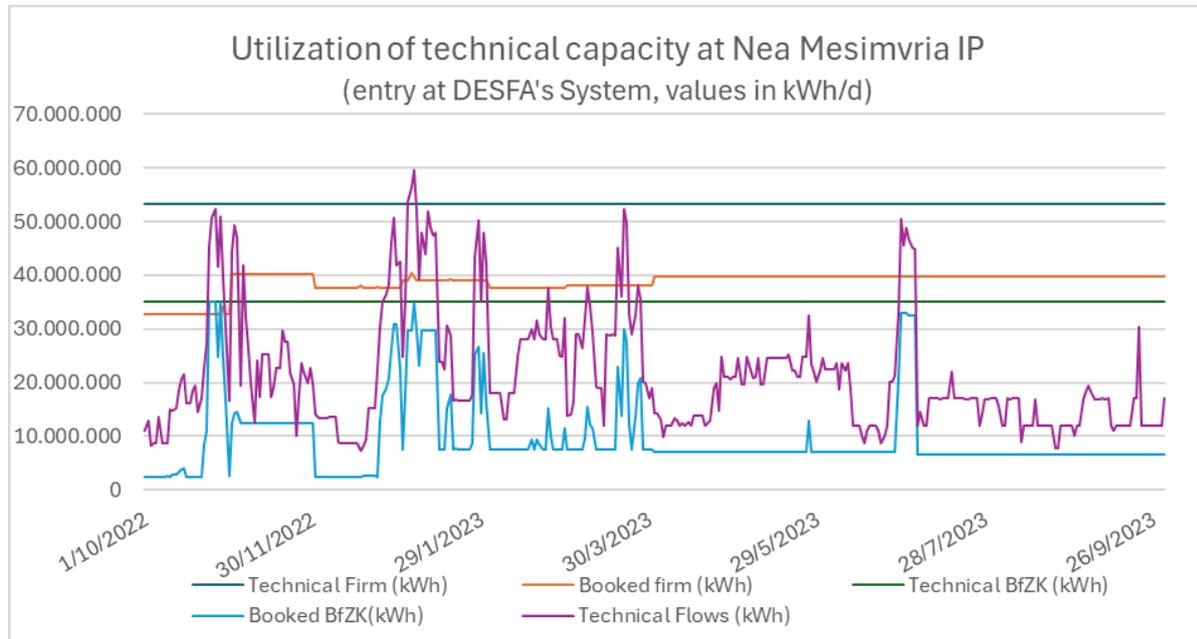
During Gas Year 2022-2023, TAP has maximized the offer of day-ahead and short-term capacity at its interconnection points, doing dynamic recalculations applicable to the offer of day-ahead products on the basis of operational conditions.

- SRG



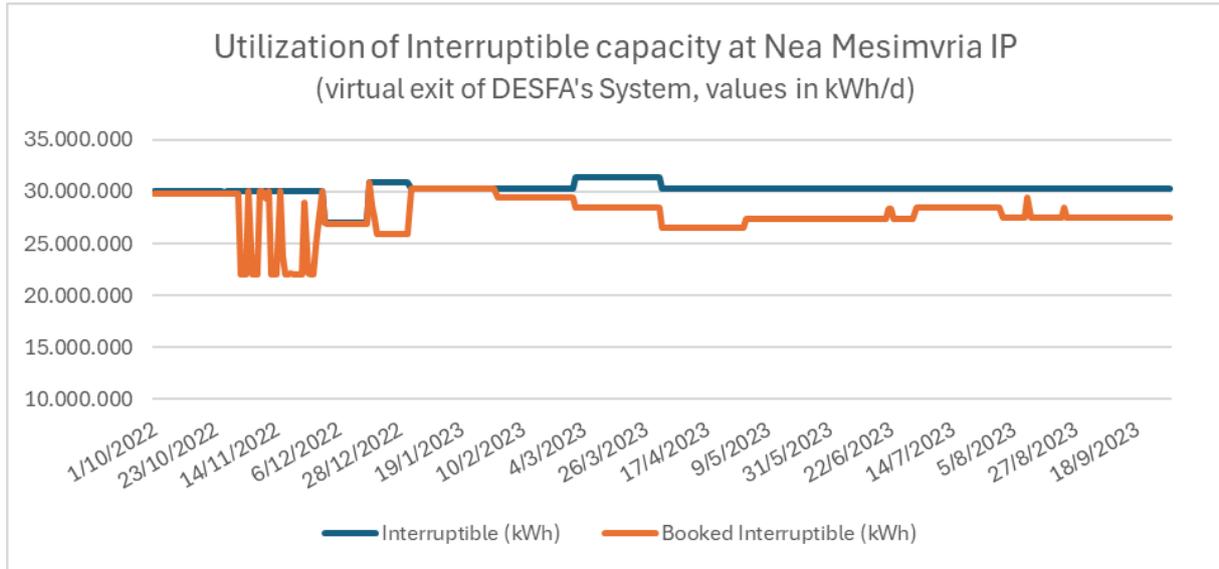
- DESFA

At Nea Messimvria IP, DESFA until 30.09.2023 had offered a firm unconditional product and a conditional bFZK⁶ product in the direction from TAP System to DESFA System. From October 2023 offers only the firm unconditional product in this direction. The utilization of the entry capacity in DESFA System is presented in the graph below.



From August 2021, DESFA also offers interruptible capacity in the direction from DESFA System towards TAP. The utilization of the virtual reverse capacity from DESFA System for the same period is presented in the graph below.

⁶ Conditional firm capacity with free allocability (bFZK) is a capacity product that restricts the possibility to use the contracted capacity to a set of predefined external conditions related to temperature or physical gas flows within the network. The bFZK capacity product is applied as firm, as long as the conditions of interruption are not applied.



2. Results of current annual yearly auction

- TAP

TAP offered the following products during the annual yearly auction from July 2023:

Network Point Exit/Entry	Category	Flow direction	Product	Gas Year	Offered Capacity KWh/d	Booked Capacity KWh/d
Nea Mesimvria entry – Komotini exit	Interruptible (Commercial Reverse Route 3 - bundle)	TAP → IGB	Yearly	2023/2024	30,346,301	7,800,000
Melendugno entry - Nea Mesimvria exit	Interruptible (Commercial Reverse Route 1 - bundle)	TAP → DESFA	Yearly	2023/2024	26,501,744	7,000,000
Melendugno entry – Komotini exit	Interruptible (Commercial Reverse route 2 – bundle)	TAP → IGB	Yearly	2023/2024	55,146,048	0

- SRG

SRG offered the following products during the annual yearly auction from July 2023:

Network Point Exit/Entry	Category	Flow direction	Product	Gas year	Offered capacity (kWh/d)	Booked capacity (kWh/d)
Melendugno Entry	Firm	TAP → SNAM	Yearly	2023/2024	171.976.682	0

- DESFA

The results of the recent annual yearly firm capacity auction that took place on the 3rd of July 2023 for the IP Nea Mesimvria, are presented below:

<i>Interconnection Point name</i>	<i>Interconnection point EIC</i>	<i>Flow direction</i>	<i>Gas year</i>	<i>Offered capacity Amount, kWh/d</i>	<i>Booked capacity Amount, kWh/d</i>	<i>Capacity type</i>
Nea Mesimvria	21Z000000000473C	TAP → DESFA	2023/2024	48.031.430	48.010.301	Firm
Nea Mesimvria	21Z000000000473C	TAP → DESFA	2024/2025 - 2037/2038	48.031.430	0	Firm

The results of the recent annual yearly interruptible capacity auction that took place on the 17th of July 2023 for the IP Nea Mesimvria, are presented below:

<i>Interconnection Point name</i>	<i>Interconnection point EIC</i>	<i>Flow direction</i>	<i>Gas year</i>	<i>Offered capacity Amount, kWh/d</i>	<i>Booked capacity Amount, kWh/d</i>	<i>Capacity type</i>
Nea Mesimvria	21Z000000000473C	DESFA → TAP	2023/2024	27.000.000	13.354.082	Interruptible
Nea Mesimvria	21Z000000000473C	TAP → DESFA	2023/2024	18.900.000	5.000.000	Interruptible

3. Relations to GRIPS, TYNDP, NDPs

- TAP

In line with TAP's exemption decision, TAP is exempted from Article 22 of the Directive 2009/73/EC concerning common rules for the internal market in natural gas for a period of 25 years as of TAP's Commercial Operations Date (i.e., 15 November 2020). For this reason, TAP has not been listed in any National Development Plans (**NDP**) (even for its initial capacity).

In what concerns the EU Ten Year Network Development Plan (**TYNDP 2024**) process, at the moment of the publication of this Demand Assessment Report, data on the non-binding demand indications received during the Demand Assessment Phase of the 2023 Market Test had not been shared with ENTSO, due to confidentiality reasons and because such information will be made publicly available only via the publication of the DAR. The information shared with ENTSO for the TYNDP 2024 purposes covers TAP's expansion scenarios as resulting from the 2021 Market Test and second Project Proposal, as approved by the Italian, Greek and Albanian NRAs. TAP has also provided the required information

for ENTSOG's Third Incremental Capacity Process Report 2021-2023, based on the information available from the 2021 Market Test.⁷

In view of its strategic role, as well as substantial contribution to the security of supply, decarbonization, market integration and competition, the European Commission, the European Parliament and the Council have given TAP's initial project the Project of Common Interest (**PCI**) status in 2013, 2015, 2017 and 2019 for its role, amongst others, in opening up the Southern Gas Corridor, one of the energy corridors identified by the EU as priorities for the achievement of European energy policy objectives.

- SRG

The projects for Snam Rete Gas (also included in the TYNDP 2022 – 2031) that might be considered in the studies are:

- The upgrades of the regulation and measurement plant in Melendugno the project involves the strengthening of the filtering, regulation and measurement sections;
- Regulation plant in Moliterno: the Moliterno regulation plant, located close the Montesano compression station, will feed the DN 1050 Montesano S.M.-Brindisi gas pipeline, with the aim of regulating/limiting the flows from the station's delivery towards Brindisi/Melendugno;
- Matagiola-Massafra pipeline, increasing the maximum capacity at the entry point in Puglia: The project relating to the "Matagiola – Massafra" methane pipeline is included in the list of projects included in the TYNDP 2022 with the identification code TRA-N-1195 and was included in the fourth list presented by the Commission on 31 October 2019 and in the fifth list published on 19 November 2021.

- DESFA

The projects included in the DESFA draft TYDP 2023-2032 that are relevant to the non-binding demand indications received for Nea Mesimvria IP are presented below. These projects are also included in the TYNDP 2022, and the 5th edition of the Gas Regional Investment Plan (**GRIP**) for the Southern Corridor.

- TRA-A-971 "Compressor station at Nea Mesimvria" (booster C/S towards TAP). This will be a booster C/S that will enable the increase of the pressure level at DESFA's System up to the pressure level of TAP, in order to allow physical flow, on firm basis, from DESFA to TAP. After the completion of the project, Nea Mesimvria IP will be considered as a bi-directional IP.
- TRA-F-1276 " Compressor station at Nea Mesimvria (3rd unit)". The project consists in the addition of a third compressor unit at the existing Compressor Station at Nea Mesimvria with the aim to increase the maximum transmitted gas quantities from north to south but also, in reverse flow, from south to north.

TRA-F-1278 "Compressor station at Ambelia". The project consists in the installation of a new compressor station at Ambelia (Farsala) in Central Greece which will increase the capacity of the transmission system of DESFA to transport gas from north to south but also, in reverse flow, from south to north.

⁷https://www.entsog.eu/sites/default/files/2023-11/entsog_ICP_Report_2021-23_231129.pdf

4. Expected amount, direction and duration of demand for incremental capacity

The TSOs conclude that demand is higher than available capacity at their IPs. Thus, demand levels will be designed under various different scenarios at the interconnection point(s) Kipoi, Nea Mesimvria and Melendugno.

These demand levels shall serve as input data for the technical studies that will result in the offer levels according to the described capacity allocation design in chapter 0.

- TAP

The amounts and directions of the demand for incremental capacity considered during the present procedure are the ones represented above in Section A for Forward Firm Capacity. Please note that without further expansion of TAP, no further Forward Firm Long-Term Capacity⁸ can be expected to be accommodated.

During the Demand Assessment Phase of the 2023 Market Test, TAP has received significant non-binding demand indications which TAP deems worthy of further investigation and definition of corresponding expansion scenarios, in the Coordinated Design Phase.

In the 2021 Market Test TAP has identified various expansion scenarios based on electrified compressor stations and/or units. Depending on the results of the technical assessments to accommodate on TAP pipeline the non-binding demand indications received by TAP during the 2023 Demand Assessment Phase (including during the Revision Window), the electrified expansion scenarios, already defined in the Project Proposal for the second Binding Phase of the 2021 Market Test, as approved by the NRAs⁹, may also be adapted further and offered in the Project Proposal for the 2023 Market Test.

- SRG

Five expansion scenarios have already been identified during the Coordinated Design Phase of the 2021 Market Test and comprised in the Project Proposal second binding phase approved by the Italian (ARERA), Greek (RAE) and Albanian (ERE) NRAs. During the Demand Assessment Phase of the 2023 Market Test, SRG has received non-binding demand indications then revised by the shippers during the revision window between the 19th of January and the 2nd of February, represented above in Section A for Forward Firm Capacity, which may determine further investigations and the definition of additional expansion scenarios. Depending on the results of the technical assessments for this expansion

⁸ According to Section 2 of TAP's Network Code, **Forward Firm Long-Term Capacity** means Firm Capacity in the TAP Transportation System for the transportation of Natural Gas in the Forward IP Direction that is made available to Shippers under a Gas Transportation Agreement at a particular Interconnection Point on every Gas Day for a period of more than one Gas Year.

⁹ **Project Proposal for the first Binding Phase of the 2021 Market Test (approved in October 2022)**: ARERA DELIBERAZIONE 2 NOVEMBRE 2022 548/2022/R/GAS APPROVAZIONE DEL DOCUMENTO "PROJECT PROPOSAL OF TAP, SRG AND DESFA FOR THE 2021 INCREMENTAL CAPACITY PROCESS OCTOBER 2022"; ERE Decision No. 270/2022; RAE Decision 818/2022; **Project Proposal for the second Binding Phase of the 2021 Market Test (approved in October 2023)**: DELIBERAZIONE 3 OTTOBRE 2023 438/2023/R/GAS APPROVAZIONE DEL DOCUMENTO "PROJECT PROPOSAL OF TAP, SRG AND DESFA FOR THE 2021 INCREMENTAL CAPACITY PROCESS - SECOND BINDING PHASE"; ERE Decision no. 285/2023; RAE Decision No. 162/2023.

scenario, the existing scenarios, already defined in the 2021 Project Proposal, may also be adapted further.

The capacity requested during the Demand Assessment Phase will be made available for binding bookings in the Binding phase.

More details on the timing of the Binding Phase and on the operational availability of the incremental infrastructure will be comprised in the draft Project Proposal, to be issued for Public Consultation.

- DESFA

The amount and direction of the demand for incremental capacity, at Nea Mesimvria IP, considered during the present procedure is the one presented in Section A “Non-binding demand indications”.

The requested capacities will be studied in regard with the offer levels that will be described in the draft Project Proposal to be issued for public consultation as per the preliminary timeline presented at Section D, after the performance of the respective technical studies.

In parallel, DESFA and TAP may evaluate the possibility to assess the technical and economic feasibility for the offer of (a) bundled capacity product(s) in the opposite direction than the one requested (meaning from TAP towards DESFA).

C. CONCLUSION FOR THE INITIATION OF AN INCREMENTAL CAPACITY PROJECT/PROCESS

TAP, DESFA and SRG will proceed to the next phase of the 2023 Incremental Capacity process and open the Coordinated Design Phase the day after the publication of this Demand Assessment Report.

During the Coordinated Design Phase, the TSOs deem it necessary to conduct further technical studies to investigate, document and evaluate the preliminary technical solutions, costs, and schedules for development options to meet a range of demand cases.

The output of the technical studies and of the coordinated actions taken by TAP, SRG and DESFA during the Coordinated Design phase, including specific expansion thresholds, provisional costs and timelines will feed into the draft Project Proposal, to be included in the consultation expected to be launched according to article 27 CAM NC.

D. PROVISIONAL TIMELINE

The involved TSOs have planned to conduct the technical studies and the consultation of the draft Project Proposal according to the following provisional timeline:

Activity	Expected start	Expected end	Expected duration
Technical studies for incremental capacity projects	11/04/2024	14/06/2024	9 weeks
Public Consultation on draft Project Proposal	17/06/2024	15/08/2024	2 months

**Please note that the above stated timeline has a provisional character and may therefore be subject to change.*

Following the end of the public consultation and further refinements of the draft Project Proposal, the TSOs plan to submit the draft Project Proposal to the relevant NRAs for coordinated approvals. Upon approval of the Project Proposal by the NRAs, the TSOs plan to start the Binding Phase with the publication of a joint notice on the TSOs' website 2 months before the Binding Bidding Window. The process and preliminary timeline for the Binding Phase will be further detailed in the draft Project Proposal, including indicative schedule information building on the studies from the Coordinated Design phase.

E. INTERIM ARRANGEMENTS FOR THE AUCTION OF EXISTING CAPACITY ON CONCERNED IP(S)

N/A

F. FEES

According to article 26(11) of CAM NC, transmission system operators may charge fees for activities which result from the submission of non-binding demand indications.

For the incremental capacity cycle addressed by this report, in compliance with CAM NC and the provisions of the Guidelines, TAP has requested fees for the evaluation and processing of the non-binding demand indications received in the value of 10,000 EUR/interested party.

SRG and DESFA do not currently charge fees as foreseen by Article 26.11 of CAM NC.

G. FURTHER COSTS

- TAP – other fees

TAP is assessing the possibility to commence expansion related activities already before the Binding Phase for the 2023 Market Test takes place, in an effort to make incremental capacity available as early as possible. TAP reserves its right to introduce in the draft Project Proposal, that will be published for public consultation, a framework where financial guarantees and/or fees, could be requested from any party that shows interest in underpinning relevant pre-investment.

- SRG

SRG reserves the right to request a fee from the entities, that submitted non-binding indications after the project finalization and before the submission of the Project Proposal to the NRA, subject to approval of the relevant NRA.

- DESFA

DESFA reserves the right to request a fee from the entities, that submitted non-binding indications after the project finalization and before the submission of the Project Proposal to the NRA, subject to approval of the relevant NRA.

H. CONTACT INFORMATION

Marija Savova

Head of Commercial
Trans Adriatic Pipeline AG
Lindenstrasse 2
6340 Baar, Switzerland

www.tap-ag.com

market.test@tap-ag.com



Trans Adriatic
Pipeline

Alessandro Russello

Manager of Interconnection Agreement
20097 San Donato Milanese, Italy

www.snam.it

ipa@snam.it



Georgios Doumouras

System Access Department
DESFA SA,
357-359 Messogion Ave.,
Chalandri, 15231, Greece

www.desfa.gr

g.doumouras@desfa.gr

market-test@desfa.gr

