

TECHNICAL CAPACITIES CALCULATION METHODOLOGY

A) ENTRY POINTS

Technical capacity (as defined in paragraph 18 of Article 2 of Regulation (EC) No 1775/2005) means the maximum firm capacity, which is able to provide the Transmission System Operator (TSO) to the system users, taking into account the system integrity and the operational requirements of the National Gas Transmission System (NGTS).

The calculation of the technical capacity for the northern (through the Border Metering Station - BMS - Sidirokastro) and the eastern (via the BMS Kipi) Entry Points, is numerically approached through the simulation of the NGTS, specifying the maximum daily flowing from the North and East Entry Points. To that end the hydraulic response of the NGTS is analyzed taking into consideration the operating conditions and requirements of the NGTS (such as the guaranteed delivery pressure at the Entry Points by the upstream TSOs, among the others), for the case of the estimated annual peak day. The hydraulic stability of the system must be derived along with the maximum flow incomings from the North and East Entry Points. Then DESFA takes into account - where possible - the available published information by the upstream TSOs, for compatibility purposes regarding corresponding figures at the interconnection points. The aforementioned technical capacity at these points is not limited by the capacity of the respective metering stations, since the latter is adequate.

The calculation of the technical capacity of the southern entry point (through the metering station Agia Triada) is based on the re-gasification capacity of the LNG Receiving Terminal Station – located at Revithousa island - without considering the redundant equipment (Sustained Maximum Send Out Rate - SMSR). The capacity of the metering station at Agia Triada is considered, along with the equivalence of 1 m³ LNG to 590 Nm³ of natural gas.

B) EXIT POINTS

The technical capacity at the Exit Points equals to the maximum capacity of the respective metering station, as shown in the relevant Tables 1-34 of Annex 2 of the Measurement Regulation.