

ANNEX V

Template for the national risk assessment**2. Infrastructure standard (Article 5)**

Describe how the infrastructure standard is complied with, including the main values used for the $N - 1$ formula and alternative options for its compliance (with directly connected Member States, demand-side measures) and the existing bidirectional capacities, as follows:

- (a) $N - 1$ formula
- (i) the identification of the single largest gas infrastructure;
 - (ii) the calculation of the $N - 1$ formula at national level;
 - (iii) a description of the values used for all elements in the $N - 1$ formula, including intermediate values used for their calculation (e.g. for EP_m indicate the capacity of all entry points considered under this parameter);
 - (iv) an indication of the methodologies used, if any, for the calculation of parameters in the $N - 1$ formula (e.g. D_{max}) (use annexes for detailed explanations);
 - (v) an explanation of the results of the calculation of the $N - 1$ formula considering the level of storages at 30 % and 100 % of the maximum working volume;
 - (vi) an explanation of the main results of the simulation of the $N - 1$ formula using a hydraulic model;
 - (vii) if so decided by the Member State, a calculation of the $N - 1$ formula using demand-side measures:
 - calculation of the $N - 1$ formula in accordance with point 2 of Annex II,
 - description of the values used for all elements in the $N - 1$ formula, including intermediate figures used for the calculation (if different to the figures described under point 2(a)(iii)),
 - indicate the methodologies used, if any, for the calculation of parameters in the $N - 1$ formula (e.g. D_{max}) (use annexes for detailed explanations),
 - explain the market-based demand-side measures adopted/to be adopted to compensate a disruption of gas supply and its expected impact (D_{eff});
 - (viii) if so agreed with the competent authorities of the relevant risk group(s) or with directly connected Member States, joint calculation(s) of the $N - 1$ formula:
 - calculation of the $N - 1$ formula in accordance with point 5 of Annex II,
 - description of the values used for all elements in the $N - 1$ formula, including intermediate values used for their calculation (if different to the figures described under point 2(a)(iii)),

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Changes to legislation: There are currently no known outstanding effects for the Regulation (EU) 2017/1938 of the European Parliament and of the Council, Division 2.. (See end of Document for details)

- indicate the methodologies and assumptions used, if any, for the calculation of parameters in the $N - 1$ formula (e.g. D_{\max}) (use annexes for detailed explanations),
 - explain the agreed arrangements to ensure compliance with the $N - 1$ formula;
- (b) bi-directional capacity
- (i) indicate the interconnection points equipped with bidirectional capacity and the maximal capacity of bi-directional flows;
 - (ii) indicate the arrangements governing the use of the reverse flow capacity (e.g. interruptible capacity);
 - (iii) indicate interconnection points where an exemption has been granted in accordance with Article 5(4), the duration of the exemption and the grounds on which it was granted.

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