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 **[**F1for the United Kingdom**]**;

(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 **[**F2Secretary of 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) F3...

(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.

Textual Amendments

F1 Words in Annex 5 point 2 substituted (31.12.2020) by The Gas (Security of Supply and Network Codes) (Amendment) (EU Exit) Regulations 2019 (S.I. 2019/531), reg. 1(2), **Sch. 1 para. 22(4)(a)**; 2020 c. 1, Sch. 5 para. 1(1)

F2 Words in Annex 5 point 2 substituted (31.12.2020) by The Gas (Security of Supply and Network Codes) (Amendment) (EU Exit) Regulations 2019 (S.I. 2019/531), reg. 1(2), **Sch. 1 para. 22(4)(b)**; 2020 c. 1, Sch. 5 para. 1(1)

F3 Annex 5 point 2(a)(viii) omitted (31.12.2020) by virtue of The Gas (Security of Supply and Network Codes) (Amendment) (EU Exit) Regulations 2019 (S.I. 2019/531), reg. 1(2), **Sch. 1 para. 22(4)(c)**; 2020 c. 1, Sch. 5 para. 1(1)

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..