

UNIFORM NETWORK CODE – TRANSPORTATION PRINCIPAL DOCUMENT

SECTION O – SYSTEM PLANNING

1 GENERAL

1.1 Introduction

1.1.1 Each year:

- (a) National Gas Transmission will publish assumptions and information in respect of supply and demand for gas, and in respect of the Total System and its use, in accordance with the requirements of National Gas Transmission's Transporter's Licence; and
- (b) each Transporter will publish information in respect of supply and demand for gas, and in respect of relevant System(s) and its use, in accordance with the requirements of its Transporter's Licence.

1.1.2 The Transporter needs Users to provide (and cooperate in the provision of) information to the Transporter for the purposes of enabling the Transporter:

- (a) to comply with its obligations pursuant to the Act and the Transporter's Licence in relation to the development of the relevant System(s); and
- (b) to prepare and publish the assumptions and/or information referred to in paragraph 1.1.1 and otherwise contemplated under this Section O.

1.1.3 The information to be provided by Users pursuant to this Section O shall be treated as having been requested by the Transporter for the purposes of Standard Condition 9(1) of the Shipper's Licence.

1.1.4 Pursuant to paragraph 1.1.3, to the extent that a User is required by virtue of Standard Condition 9(1) of the Shipper's Licence to comply with any requirement for information to be provided to the Transporter under this Section O, this Section O does not create an additional obligation for the User to provide such information.

1.2 Transporting Britain's Energy and ~~Ten-Year~~Long Term Development Statement

1.2.1 Each year National Gas Transmission:

- (a) may undertake the Transporting Britain's Energy consultation process,
- (b) shall provide a ~~Ten-Year~~Long Term Development Statement,

in accordance with paragraphs 3 and 4.

1.2.2 "Transporting Britain's Energy consultation process" is the consultation process setting out the initial assumptions of National Gas Transmission as to supply and demand in Gas Years and requesting information from Users and other persons by means of one or more questionnaires.

1.2.3 A "~~Ten-Year~~Long Term Development Statement" is a document (previously known as the 'Ten Year Statement') containing:

- (a) in the case of National Gas Transmission, the statement (or revised statement) required to be prepared pursuant to Part A of Special Condition ~~7A9.10~~ of National Gas Transmission's Transporter's Licence and any direction of the Authority pursuant thereto;
- (b) in the case of a DN Operator, the statement (or revised statement) required to be prepared pursuant to Special Condition D3 of its Transporter's Licence and any direction of the Authority pursuant thereto

and such further information which may be required for the purposes of the Code (in particular, Section Q) or which the Transporter may decide to include in such document.

1.2.4 Where the context admits, any reference in the Code to a ~~Ten-Year~~Long Term Development Statement is a reference to the most recently published such statement at any time, and a reference to a ~~Ten-Year~~Long Term Development Statement applicable to a particular Gas Year is to the statement for which (in accordance with paragraph 1.4) such year is year 0.

1.3 Status of planning documents

No Transporter ~~nor the ISOP~~ will be liable pursuant to the Code to any User in relation to any estimate, forecast or other information contained in or omitted from the Transporting Britain's Energy consultation process or ~~Ten-Year~~Long Term Development Statement, and nothing contained therein will bind a Transporter to undertake any reinforcement of any relevant System(s).

1.4 Planning years

For the purposes of this Section O, in relation to the planning activities undertaken in accordance with this Section O in any year, year 0 is the Gas Year in which such activities are being undertaken, year 1 is the immediately following Gas Year and years 2 to 9 are the following 8 Gas Years, and year 1 is the Gas Years preceding year 0.

1.5 DNO Users

In this Section O references to Users exclude DNO Users.

1.6 Trader User

In this Section O references to Users exclude Trader Users.

2 SUPPLY AND DEMAND

2.1 Demand

2.1.1 For the purposes of this Section O references to demand exclude demand for gas offtaken to Storage Facilities, but include demand for gas offtaken to Connected Offtake Systems other than Storage Facilities.

- 2.1.2 Except in paragraph 3.2, references in this Section O to demand are inclusive of shrinkage.
- 2.1.3 For the purposes of this Section O:
- (a) demand may be estimated on different assumptions as to the inclusion or exclusion of and the nature of interruptible demand (for these purposes being demand under contracts of sale or supply which permit the interruption of the supply of gas); and
 - (b) where the Transporter publishes or requests information as to estimated demand it may specify the assumptions (or alternative assumptions) as to interruptible demand on which such estimates are made or to be made.
- 2.1.4 For the purposes of determining Total System 1-in-20 peak day demand, Total System 1-in-50 Severe Annual Demand, System 1-in-20 peak day demand or System 1-in-50 Severe Annual Demand, peak day demand excludes interruptible demand, and annual demand excludes interruptible demand on Days of permitted Interruption (within the Interruption Allowance) in the period from 1 October to 31 March.

2.2 Supply

- 2.2.1 For the purposes of this Section O, in respect of any Gas Year, in relation to the Total System or any System Entry Point "**maximum daily supply**" is the maximum availability of gas for supply on one Day in that year; where availability of gas for supply is the quantity of gas that can be delivered on a Day to the Total System at a System Entry Point or System Entry Points, other than from Storage Facilities.
- 2.2.2 For the purposes of paragraph 2.2.1:
- (a) availability of gas for supply in any year may be estimated on assumptions which include, in addition to contractual commitments as to the supply of gas, assumptions as to such commitments expected to be made before or during the year, and/or supplies of gas expected to be available on a spot basis during such year, and/or sources of gas expected to be developed before or during such year; and
 - (b) where the Transporter publishes or requests information as to estimated availability of gas for supply it may specify the assumptions (or alternative assumptions) on which such estimates are made or to be made.

2.3 Sources of information

Except as provided in the Code, no Transporter is party to any agreement for the sale of gas offtaken from the Total System, or the purchase of gas delivered to the Total System; and accordingly each Transporter depends on the information provided by persons who are party to such agreements, and on other sources of information (including any information requirements under Network Entry Agreements and Network Exit Provisions, and the Transporter's historic records), in estimating under this Section O demand and availability of gas for supply.

3 TRANSPORTING BRITAIN'S ENERGY

3.1 Publication and content

National Gas Transmission may elect to conduct the Transporting Britain's Energy consultation process each year and request information from Users and others in accordance with paragraph 3.2 provided before undertaking the Transporting Britain's Energy consultation process it shall first have given not less than 90 days notice to the Users of its intention to do so.

3.2 User information requirements

3.2.1 Where National Gas Transmission elects to undertake the Transporting Britain's Energy consultation process, each User, by the date and in the format specified in the Transporting Britain's Energy questionnaire:

- (a) shall provide to the Transporter:
 - (i) estimates for years 1 to 3 of 1-in-20 peak day demand and seasonal normal annual demand at Supply Points of which it is the Registered User and (as respects demand for gas attributable to it) at Connected System Exit Points other than Storage Connection Points;
 - (ii) such estimates for years 1 to 3 of availability of gas for supply (in accordance with paragraph 2.2.1) to such User, upon such assumptions (as referred to in paragraph 2.2.2), as may be required pursuant to the Transporting Britain's Energy consultation process; and
 - (iii) in the case of National Gas Transmission, such further information as may reasonably be requested by National Gas Transmission pursuant to the Transporting Britain's Energy consultation process;
- (b) without prejudice to paragraph 3.2.1(a)(iii), may provide to National Gas Transmission estimates for years 4 and 5 of 1-in-20 peak day demand and seasonal normal annual demand at NTS Supply Points of which it is the Registered User and (as respects demand for gas attributable to it) at NTS Connected System Exit Points other than Storage Connection Points.

3.2.2 The information required under paragraph 3.2.1 is to be provided:

- (a) as respects LDZ Supply Points, for each LDZ, on an aggregated basis by reference to bands of demand (specified by the Transporter) at Firm Supply Points, and on an aggregated basis for Interruptible Supply Points;
- (b) as respects NTS Supply Points and Connected System Exit Points, by System Point; and
- (c) as respects availability of gas for supply, by Aggregate System Entry Point

and on such basis of estimation or otherwise as may be specified by National Gas Transmission pursuant to the Transporting Britain's Energy consultation process.

3.2.3 Subject to paragraph 3.2.4, in order to ensure consistency of information provided to the Transporter and to avoid duplication in estimation of demand, a User's estimates of demand are to be in relation to Supply Points in respect of which the User is Registered

User and other sources of demand as at the reference date specified (pursuant to paragraph 4.1.2(g)) by National Gas Transmission pursuant to the Transporting Britain's Energy consultation process, and Users should not take into account anticipated changes in their portfolios of Supply Points or in market share, other than as respects new loads in accordance with paragraph 3.2.4.

- 3.2.4 In providing estimates and information under paragraph 3.2.1(a)(i) each User will be required in particular to provide information in relation to the new sources of demand of the User such as new residential, commercial or industrial developments, and to indicate the extent to which the User has secured or expects to secure contractual commitments for the sale of gas in connection with such developments.
- 3.2.5 References to demand in this paragraph 3.2 are exclusive of shrinkage.

3.3 Confidential information

- 3.3.1 The Transporter and Users acknowledge that Users will be required under paragraph 3.2.1 to provide information which may be commercially sensitive vis-à-vis other Users.
- 3.3.2 Where National Gas Transmission specifies, pursuant to the Transporting Britain's Energy consultation process, the form in which information provided to National Gas Transmission pursuant thereto is to be published, a person providing information to the Transporter for the purposes of this Section O will be deemed to have consented to:
- (a) the disclosure of such information by a Transporter to National Gas Transmission; and
 - (b) the publication by the Transporter of such information in such form unless such person expressly notifies the Transporter otherwise.
- 3.3.3 Subject to paragraph 3.3.2 and to the Transporter's duties under the Transporter's Licence and the Act, and except where any such person consents thereto, the Transporter agrees that the ~~Ten Year~~Long Term Development Statement, and in the case of National Gas Transmission only the Transporting Britain's Energy consultation process, will not identify by name any particular Users nor (insofar as any User shall have provided information to the Transporter relating to such person) any supplier, consumer or person producing or selling gas before its delivery to the Total System.

3.4 Information requested under Licence

If a User intends, pursuant to Standard Condition 8(2) of the Shipper's Licence, to refuse to provide any item of information requested by the Transporter, the User undertakes promptly:

- (a) to inform the Transporter of such intention;
- (b) if requested by the Transporter, to discuss with the Transporter whether there is a form in which the information can be provided or alternative information which can be provided; and
- (c) if requested by the Transporter, to refer or cooperate with the Transporter in referring its refusal to the Authority for determination under that condition.

3.5 Information from other persons

- 3.5.1 Subject to paragraph 3.5.2, each User will, in so far as lies within its power, cooperate with and provide reasonable assistance to the Transporter in obtaining information requested under the Transporting Britain's Energy process from persons not bound by the Code, including Delivery Facility Operators in respect of Connected Delivery Facilities at Aggregate System Entry Points and Offtake System Operators in respect of Connected Offtake Systems at Connected System Exit Points at which the User holds capacity, persons from whom the User has contracted to purchase gas, suppliers to whom the User has contracted to sell gas and consumers who are customers of such suppliers or of the User directly.
- 3.5.2 Users will not be required pursuant to paragraph 3.5.1 to incur significant expenditure or to infringe any obligation of confidentiality or other obligation, and will not (by virtue of anything done pursuant to that paragraph) be responsible for any information provided by any person (other than a User) referred to in that paragraph.

4 ~~TEN-YEAR~~LONG TERM DEVELOPMENT STATEMENT AND GS(M)R SAFETY CASE STORAGE VOLUME

4.1 Publication and content of ~~Ten-Year~~Long Term Development Statement

4.1.1 On the basis of the information provided:

- (a) to National Gas Transmission by Users, other responses to the Transporting Britain's Energy consultation process and other information available to it, National Gas Transmission will;
- (b) to the Transporter by Users and other information available to it, the Transporter will

prepare by such date as may be required pursuant to its Transporter's Licence in year 0, and publish a ~~Ten-Year~~Long Term Development Statement.

4.1.2 The ~~Ten-Year~~Long Term Development Statement will typically include:

- (a) details for year - 1 of actual peak day demand:
 - (i) for the Total System; and
 - (ii) for System Exit Points (other than Unmetered Connected System Exit Points) in accordance with paragraph 4.1.3;
- (b) estimates:
 - (i) for each of years 0 to 9 (or for certain of such years), of Total System 1-in-20 peak day demand and the Total System seasonal normal annual demand, upon each of the demand growth assumptions under paragraph (e) below; and
 - (ii) for each of years 0 to 4, of 1-in-20 peak day demand in accordance with paragraph 4.1.3;

- (c) estimates for each of years 0 to 9 (or for certain of such years) of maximum daily supply for the Total System, by System Entry Point, and the assumptions (in accordance with paragraph 2.2.1) on which such estimates were made;
- (d) an estimate for year 1 of the amounts by which maximum daily supply falls short of Total System 1-in-20 peak day demand;
- (e) different assumptions as to overall growth in demand for gas in years 0 to 9 or certain of such years;
- (f) the principal economic and other assumptions made by National Gas Transmission in preparing such estimates; and
- (g) a reference date for the making of estimations of demand.

Notwithstanding the foregoing, National Gas Transmission may elect to publish all or part of the information set out above either within the ~~Ten-Year~~Long Term Development Statement or separately. Where National Gas Transmission elects to publish such information separately from the ~~Ten-Year~~Long Term Development Statement, National Gas Transmission shall not be required to update such information at any time after publication.

- 4.1.3 The details or estimates under paragraphs 4.1.2(a)(ii) and 4.1.2(b)(ii) will be given in respect of each NTS Exit Point on an individual basis (but not for Storage Connection Points).

4.2 GS(M)R Safety Case Storage Volume details

- 4.2.1 National Gas Transmission will prepare and publish as GS(M)R Safety Case Storage Volume, by the time such estimates are required for the purposes of Section Q (and accordingly before preparing the ~~Ten-Year~~Long Term Development Statement) estimates for year 1 of:

- (a) Total System 1-in-20 peak day demand and Total System 1-in-50 Severe Annual Demand; and
- (b) maximum daily supply for the Total System

which will, subject to paragraph 4.2.5, be the values thereof used for the purposes of the Code (including those of Section Q).

- 4.2.2 The Estimated GS(M)R Safety Case Storage Volume will state the assumptions as to interruptible demand (in accordance with paragraph 2.1.3) and availability of gas for supply (in accordance with paragraph 2.2.2) made for the purposes of the estimates made pursuant to paragraph 4.2.1.
- 4.2.3 Without prejudice to the generality of paragraph 4.2.2, the GS(M)R Safety Case Storage Volume will include assumptions as respects demand and supply at any System Point at which an interconnector (connecting the Total System with a pipeline system in another country) is connected to the Total System.
- 4.2.4 The ~~Ten-Year~~Long Term Development Statement may contain up-dated details of the matters of which details for year 1 are contained in the GS(M)R Safety Case Storage

Volume, notwithstanding which the details in the GS(M)R Safety Case Storage Volume will prevail for the purposes of the Code.

4.2.5 National Gas Transmission may (but shall not be obliged to) revise estimates under paragraph 4.2.1, on any date from 1 May up to and including 1 October in year 1, for the purposes of Section Q.

5 STRATEGIC GAS NETWORK PLANNING

5.1 Introduction

5.1.1 This paragraph 5 sets out the requirements for National Gas Transmission and the ISOP to exchange information and to meet to discuss matters relating to each of the Network Model, Relevant Network Model Data, Gas Network Capability Needs Report, Strategic Planning Options Proposal and Gas Options Advice Document with a view to facilitating the efficient development and implementation of overall planning and forecasting activities for the NTS.

5.1.2 Where either National Gas Transmission or the ISOP believe such meetings would be better facilitated by the participation of the Authority, either may request Authority's participation, and subject to Authority's agreement to participate, each will make available such information as may be requested by the Authority for its participation in any such meeting.

5.1.3 For the purposes of this paragraph 5 "Network Model", "Relevant Network Model Data", "Gas Network Capability Needs Report", "Strategic Planning Options Proposal" and "Gas Options Advice Document" shall each have the meanings given in the GSP Licence.

5.1.4 When publishing a Gas Network Capability Needs Report or a Gas Options Advice Document the ISOP is required by condition C8 of the GSP Licence to have due regard for the need to exclude any information the publication of which may be commercially prejudicial to any Party or contrary to any Legal Requirement.

5.2 Stage 1 - Network Model and Relevant Network Model Data

5.2.1 In accordance with Special Condition 9.12 of National Gas Transmission's Transporter's Licence, National Gas Transmission is required (by no later than 30 September in each Formula Year) to provide the ISOP with:

- (a) the Network Model;
- (b) the Relevant Network Model Data;
- (c) such other supporting information as is specified in such condition,

and it is further required to use reasonable best endeavours to ensure the Network Model and the Relevant Network Model Data provided are replications of the model and data in use by National Gas Transmission.

5.2.2 Where the Network Model and/or the Relevant Network Model Data have changed significantly from that previously provided to the ISOP, National Gas Transmission is also required to notify the ISOP of such changes and provide the necessary updates.

5.2.3 In addition to the information to be provided pursuant to Special Condition 9.12 of National Gas Transmission's Transporter's Licence, National Gas Transmission shall:

- (a) provide the ISOP with such additional information as the ISOP may reasonably require for the purposes of the ISOP's use of the Network Model and Relevant Network Model Data;
- (b) following changes to the Network Model and/or Relevant Network Model Data provide the ISOP with reasonable details of the changes and the rationale for the changes; and
- (c) meet to discuss the Network Model and Relevant Network Model Data with the ISOP as it may reasonably require.

5.2.4 National Gas Transmission and the ISOP shall agree the version of the Network Model to be used by the ISOP when preparing the Gas Network Capability Needs Report to ensure National Gas Transmission and the ISOP use the same version of the Network Model for the purposes of their respective gas planning and forecasting activities.

5.2.5 National Gas Transmission and the ISOP shall each maintain a change log to record each change and/or update to:

- (a) their respective versions of the Network Model and Relevant Network Model Data;
- (b) in the case of National Gas Transmission, any of the tools, systems, configurations or other supporting systems or information provided by National Gas Transmission to the ISOP pursuant to Special Condition 9.12 of National Gas Transmission's Transporter's Licence and required in connection with the operation of National Gas Transmission's version of the Network Model.

5.3 Stage 2 - Gas Network Capability Needs Report

5.3.1 In accordance with condition C8 of the GSP Licence the ISOP is required to prepare and publish a Gas Network Capability Needs Report and provide it (by no later than 31 December in each second year) to National Gas Transmission and the Authority, which shall:

- (a) set out details of the ISOP's view of the physical capability and system needs for the NTS; and
- (b) include such other information as is specified in ~~such~~ condition C8

and it is further required to use reasonable endeavours to ensure the information contained in the report is capable of being applied for the purposes of identifying and proposing options to respond to the system needs for the NTS.

5.3.2 In addition to the information to be provided pursuant to Condition C8 of the ISOP's GSP Licence, the ISOP shall provide National Gas Transmission with such additional information as it may reasonably require for the purposes of its use of the Gas Network Capability Needs Report and meet to discuss the Gas Network Capability Needs Report with National Gas Transmission as it may reasonably require.

5.4 Stage 3 - Strategic Planning Options Proposal

5.4.1 In accordance with Special Condition 9.10 of National Gas Transmission's Transporter's Licence, National Gas Transmission is required (within six (6) months of publication of the ISOP's most recent Gas Network Capability Needs Report) to provide a Strategic Planning Options Proposal to the ISOP which shall:

- (a) have regard to the information contained in the ISOP's most recent Gas Network Capability Needs Statement; and
- (b) identify any material differences between National Gas Transmission's views and the information in the ISOP's most recent Gas Network Capability Needs Report and the associated implications.

5.4.2 In addition to the information to be provided pursuant to Special Condition 9.10 of National Gas Transmission's Transporter's Licence, National Gas Transmission shall provide the ISOP with such additional information as the ISOP may reasonably require for the purposes of its use of National Gas Transmission's most recent Strategic Planning Options Proposal and meet to discuss the Strategic Planning Options Proposal with the ISOP as it may reasonably require.

5.5 Stage 4 - Gas Options Advice Document

5.5.1 In accordance with condition C8 of the GSP Licence the ISOP is required to prepare and publish a Gas Options Advice Document and provide it (by no later than 31 December in each second year) to National Gas Transmission and the Authority, which shall:

- (a) set out the ISOP's views of the drivers for change to the NTS and the best options for the NTS which could meet the needs and requirements identified in the ISOP's most recent Gas Network Capability Needs Report;
- (b) an assessment of the impact of National Gas Transmission's options in its most recent Strategic Planning Options Proposal;
- (c) identify any material differences between the ISOP's views and the information National Gas Transmission's most recent Strategic Planning Options Proposal and the associated implications; and
- (d) include such other information as is specified in such condition.

4.2.55.5.2 In addition to the information to be provided pursuant to Condition C8 of the ISOP's GSP Licence, the ISOP shall provide National Gas Transmission with such additional information as it may reasonably require for the purposes of its use of the Gas Options Advice Document and meet to discuss the Gas Options Advice Document with National Gas Transmission as it may reasonably require.