

April 2024 ~~September 2022~~

**Gas Demand Side
Response Methodology**
~~Final Version~~

UK Gas Transmission

nationalgrid



Background

This document sets out the Gas Demand Side Response (DSR) Methodology which is required to be established in accordance with National Grid's NTS Transporters Licence Special Condition 9.22 (SC9.22). ~~–'Development and Implementation of a Demand Side Response (DSR) Methodology for use after a Gas Deficit Warning'~~

The gas DSR Methodology arrangements described within this document seeks to ensure that all relevant SC9.22 Licence condition principles are met.

The DSR Methodology

The gas DSR Methodology seeks to provide an additional 'route to market' through which ~~End User~~ Consumers (via their Shipper/Supplier) can signal their willingness to make available ~~additional DSR energy quantity, i.e.~~ DSR energy quantities which would ~~not otherwise be unlikely to be~~ offered through ~~existing~~ other market mechanisms. Encouraging DSR energy quantity to ~~come forward~~ be available, post ~~issue of a Margins Notice or~~ Gas Balancing Notification (GBN), but prior to the end of Gas Deficit Emergency (GDE) Stage 1 may, ~~in some circumstances~~, provide sufficient additional system balancing volumes to avoid the system entering a GDE Stage 2. This may enhance the security of supply to more critical load and help all affected parties avoid the high costs and risks associated with an escalation into the later stages of a GDE.

Document Revision History

Version / Revision Number	Date of Issue	Notes
V1.0	3 rd September 2015	First version
V2.0	8 th July 2016	Changes to Section 3. The OCM Locational Market – removal of the reference to the DSR flag Changes to Section 4. The DSR Product – removal of the 7-day profile of daily offers Housekeeping amendments – removal of references to gas DSR framework, revisions to footnotes.

V3.0	February 2020	References to a Gas Deficit Warning (GDW) replaced with Gas Balancing Notification (GBN) to align with UNC Modification 0658, effective from 1st October 2019, and the National Grid Licence change, effective from 1st April 2020.
V3.1	February 2021	Issued for industry Consultation. No changes proposed.
V4.0	16 th April 2021	Approved by Ofgem.
<u>5.0</u>	<u>September 2022</u>	<u>Amendments to align with UNC Modification 0822 'Reform of Gas Demand Side Response Arrangements' plus housekeeping changes</u>

DSR Framework and Methodology - Index

Index

Section 1.....	Definitions
Section 2.....	the DSR Service
Section 3.....	OCM Locational Platform <u>DSR Option Offers</u>
Section 4.....	the DSR Product <u>OCM Locational Platform</u>
Section 5.....	Eligibility <u>The DSR Product</u>
Section 6.....	DSR participants <u>Eligibility</u>
Section 7.....	DSR Contractual relationships <u>DSR Participants</u>
Section 8.....	DSR Offer Price <u>DSR Contractual Relationship</u>
Section 9.....	Posting DSR Offers <u>The DSR Market Offer Price</u>
Section 10.....	DSR Offer Acceptance arrangements <u>Posting DSR Market Offers process</u>
Section 11	Exercising the accepted DSR Offers process <u>DSR Market Offer Acceptance Arrangements Process</u>
Section 12.....	Treatment of accepted Offers when entering into a _____ <u>GDE Stage 2</u> <u>Exercising the accepted DSR Market Offers Process</u>
Section 13.....	Payment Arrangements <u>Treatment of Accepted DSR Market Offers when entering into a GDE Stage 2</u>
Section 14.....	Settlement <u>Payment Arrangements</u>
Section 15.....	Liability <u>DSR Settlement Arrangements</u>
Section 16.....	UNC Provisions <u>Liability Arrangements</u>

Formatted: Tab stops: Not at 7 cm

Section 17.....UNC Provisions

Formatted: Font: Helvetica, 12 pt, Bold, Font color: Custom Color(RGB(0,121,193))
Formatted: Normal, Tab stops: Not at 14.75 cm
Formatted: Font: Helvetica, 12 pt, Bold, Font color: Custom Color(RGB(0,121,193))

DSR Methodology

Section 1. Definitions

1.1. Definitions:

- a DSR Demand Side Response. The reduction in an Eligible DMC's rate of gas offtake in the period following declaration of a Margins Notice or GBN.
- b DSR Service The framework within which the end to end DSR processes are operated. As set out in section 2 of this document.
- c DSR Market Offer Each individual trade offer that ~~may be~~ submitted on to the OCM Platform– Locational market.
- d DSR Product The arrangements by which all DSR Market Offers will be placed and accepted. ~~As~~ set out in section 4 of this document.
- e DSR Period The period ~~between the GBN being declared for the gas Day and the earlier of: (i) the revocation of the GBN; or (ii) the end of GDE Stage 1 when either a Margins Notice or GBN is in force or until a GDE Stage 2 is declared, whichever is earlier.~~ This is the period within which ~~where~~ National Grid NTS may accept DSR Market Offers.
- f OCM Platform – Locational ~~m~~Market The market that DSR Market Offers may be submitted upon. As set out in section 3 of this DSR Methodology.

- g GBN Gas Balancing Notification ref: UNC TPD Section V5.9.
- h GDE Gas Deficit Emergency ref: UNC TPD Section Q3.2
- i Firm Load Shedding (FLS) During Stage 2 of a GDE; upon direction from the Network Emergency Coordinator (NEC), National Grid NTS and relevant Transporters may instruct the ~~End User~~Consumers to curtail gas offtake at specified sites. Ref: UNC TPD Section Q3.5.
- j Tick Down A DSR Market Offer may be offered with a reducing down feature that reduces the volume of DSR available on the ~~gas~~Day as the unaccepted ~~Offer~~ progresses through the Day.
- k The GDE Stages GDE Stages are defined in UNC TPD section Q3.2 and in the Network Gas Supply Emergency Classifications as provided in the National Grid NTS safety case for a Network Gas Supply Emergency
- l Eligible DMC As set out in section ~~6.26.2~~ of this DSR ~~Framework and~~Methodology
- m Margins Notice A notice to inform market participants of a projected imbalance between Expected Available Supply and forecast demand for the following Day in accordance with UNC TPD Section V5.9.

Formatted: List Paragraph, Left, Space After: 0 pt, Add space between paragraphs of the same style, Line spacing: single, No bullets or numbering, Tab stops: Not at 1.5 cm + 2 cm + 7.25 cm + 9 cm

Formatted: List Paragraph, Left, Space After: 0 pt, Add space between paragraphs of the same style, Line spacing: single, No bullets or numbering, Tab stops: Not at 1.5 cm + 2 cm + 7.25 cm + 9 cm

Where capitalised words and phrases are used within this document, those words and phrases shall usually have the meaning provided within the Uniform Network Code (unless they are otherwise defined within the terms detailed above).

Section 2. DSR Service

2.1. The DSR service features ~~two~~three principle contractual arrangements:

- ~~For commitments to make DSR Market Offers in advance via DSR Options – Shipper to National Grid NTS contractual arrangements, backed by Shipper / Supplier / Consumer contracts. Under the rules set out in this methodology and in the UNC TPD Section D7, a Shipper may contract with National Grid NTS to make a DSR Option Offer(s).~~

- ~~For reduction in gas quantity offtaken, at a relevant Site – Shipper/Supplier to End User/Consumer contractual arrangement. On behalf of the End User/Consumer (in some cases through instruction by the Supplier) the Shipper will agree to place an offer onto the OCM Platform – DSR Locational Market DSR mechanism, which reflects the agreed DSR energy quantity and price for End User/Consumer’s reduction in offtake from the NTS. In return the End User/Consumer commits to honouring and delivering on the agreed energy quantity reduction if called to do so by the relevant Shipper following acceptance of the offer by National Grid NTS. (Note: Requirements for this aspect of the DSR mechanism shall be defined by the Shipper, Supplier and End User/Consumer through their DSR Service agreements); and~~

- ~~For the procurement of the gas associated with the DSR Market Offer – Shipper to National Grid NTS contractual arrangements. Under prescribed parameters and criteria set out in this DSR Framework and Methodology and the UNC, the Shipper will offer to sell title to gas (associated to the DSR Offer/DSR Market Offer), to National Grid, in its Role as Residual Balancer.~~

2.2. The ~~End User/Consumer~~ (in some cases through the Supplier) will work together with their registered Shipper to set-out and agree details, criteria and arrangements associated with posting the DSR ~~Market~~ Offer(s) for an Eligible site onto the OCM Platform – Locational ~~m~~Market. DSR ~~Market~~ Offers may be placed, updated or withdrawn, at any time up to the declaration of a GDE Stage 2.

2.3. DSR ~~Market~~ Offers associated to the DSR Service may only be accepted by National Grid NTS and only for a ~~gas~~Day ~~within a DSR Period which is opened either by issue of a Margins Notice or GBN, in which a GBN has been declared and is in effect.~~ DSR

Formatted: Font: Not Bold

Formatted: Indent: Left: 2.5 cm, No bullets or numbering

Market Offers posted onto the OCM Platform Locational mMarket will be available for National Grid NTS to accept throughout the DSR Period.

2.4. National Grid NTS will promptly notify the OCM Market Operator that a Margins Notice and/or GBN has been declared and is in effect and also when a GBN has been revoked and a Margins Notice is no longer in force.

2.5. Where a DSR Market Offer is accepted by National Grid NTS on the OCM Platform – Locational mMarket;

2.5.1. The Shipper will notify the End-User/Consumer of the requirement to reduce their notified End Of Day (EOD) offtake by an energy quantity at least equal to the DSR Market Offer (including any allowances for 'Tick down').

2.5.2. The Gas Balance imbalance position, for ~~both~~ the Shipper ~~and National Grid NTS, in its Residual Balancing role~~, registered on the UK Link system, will be adjusted to reflect the completed gas trade on the OCM Platform – Locational mMarket.

2.5.3. DSR Market Offers may be accepted:

a ~~Solely by National Grid NTS for National Bbalancing purposes; and~~

b Post the declaration of a GBN or Margins Notice up to the end of Gas Deficit Emergency Stage 1; and

c Where the DSR Market Offer meets the criteria set out in the UNC and in this DSR Framework and Methodology.

e

Section 3. DSR Option Offers

3.1 In accordance with UNC TPD Section D7, National Grid NTS shall issue an invitation (DSR Option Invitation) no later than 31 August in each Gas Year to all Shippers seeking commitments to post DSR Market Offers in advance (DSR Option Offers) for the forthcoming Winter Period and the next two Winter Periods thereafter.

3.2 Each DSR Option Offer that a Shipper may submit shall be required to contain:

3.2.1 The Winter Period each such offer is made in respect of:

Formatted: No bullets or numbering

Formatted: Font: (Default) Arial, 12 pt, Bold, Font color:

Formatted: Font: 10 pt, Not Bold, Font color: Auto

Formatted: Justified

Formatted: Font: (Default) Arial, 10 pt

Formatted: List Paragraph, Justified, Indent: Left: 0.63 cm, First line: 0 cm

Formatted: Font: (Default) Arial, 10 pt

Formatted: Indent: Left: 0.63 cm

- 3.2.2 An energy quantity of DSR with a minimum daily offer of 100,000 kWh;
 - Formatted: Font: (Default) Arial, 10 pt
 - Formatted: Indent: Left: 1.9 cm, No bullets or numbering
 - Formatted: Indent: Left: 0.63 cm
- 3.2.3 The identity of the Consumer and its supply meter point reference number that will deliver the demand curtailment, if subsequently exercised by National Grid NTS;
 - Formatted: Font: (Default) Arial, 10 pt
 - Formatted: Left, Indent: Left: 1.9 cm, Space After: 0 pt, Add space between paragraphs of the same style, Line spacing: single, No bullets or numbering
 - Formatted: Normal, Indent: Left: 0.63 cm, No bullets or numbering
- 3.2.4 The Consumer's current Annual Quantity which shall not be less than 2 million therms per annum;
 - Formatted: Font: (Default) Arial, 10 pt
 - Formatted: Indent: Left: 0.63 cm
 - Formatted: Font: (Default) Arial, 10 pt
 - Formatted: Indent: Left: 1.9 cm, No bullets or numbering
- 3.2.5 An Option Price, specified in p/kWh, that the Shipper requires to be paid in return for its commitment to making the relevant quantity available for gas DSR purposes;
 - Formatted: Indent: Left: 0.63 cm
 - Formatted: Font: (Default) Arial, 10 pt
 - Formatted: Indent: Left: 1.9 cm, No bullets or numbering
- 3.2.6 An Exercise Price, either specified in p/kWh or indexed to the System Average Price (SAP) applicable on the preceding Day on which a Margins Notice or GBN is issued, which the Shipper requires to be paid if its associated DSR Market Offer is accepted by National Grid NTS on the Gas DSR Locational Market;
 - Formatted: Indent: Left: 0.63 cm
 - Formatted: Font: (Default) Arial, 10 pt
 - Formatted: Indent: Left: 1.9 cm, No bullets or numbering
- 3.2.7 Whether the DSR Option Offer is for a within-day or day ahead DSR Market Offer;
 - Formatted: Font: (Default) Arial, 10 pt
 - Formatted: Left, Indent: Left: 1.9 cm, Space After: 0 pt, Add space between paragraphs of the same style, Line spacing: single, No bullets or numbering
- 3.2.8 For a within-day DSR Option Offer, the lead-time shall apply between National Grid NTS' acceptance of the associated DSR Market Offer and the Consumer commencing reduction in its gas offtake which shall not exceed 6 hours; and
 - Formatted: Indent: Left: 0.63 cm
 - Formatted: Font: (Default) Arial, 10 pt
 - Formatted: Indent: Left: 1.9 cm, No bullets or numbering
- 3.2.9 For a day ahead DSR Option Offer, the start time for demand curtailment shall be 0500 on the next Day.
 - Formatted: Indent: Left: 0.63 cm
 - Formatted: Font: (Default) Arial, 10 pt
 - Formatted: Left, Indent: Left: 1.9 cm, Space After: 0 pt, Add space between paragraphs of the same style, Line spacing: single, No bullets or numbering
- 3.3 National Grid NTS shall accept DSR Option Offers in accordance with the following Option Selection Guidance.
 - Formatted: List Paragraph, Justified, Indent: Left: 0.63 cm, Outline numbered + Level: 3 + Numbering Style: 1, 2, 3, ... + Start at: 1 + Alignment: Left + Aligned at: 0 cm + Indent at: 1.27 cm
- 3.3.1 National Grid NTS may accept compliant DSR Option Offers received in price order from lowest to highest, determined as an aggregate of Option Price and Exercise Price (and, for the purposes of its assessment, where an Exercise Price is indexed to the preceding Day's SAP, National Grid NTS shall determine that price to be equal to the forward price for gas for the relevant Winter Period as published in the Argus European Natural Gas Report on the Day that the DSR Option Invitation closes) provided that:
 - Formatted: Justified
 - Formatted: Font: (Default) Arial, 10 pt
- 3.3.1.1 DSR Option Offers that may be exercised within a Day may be prioritised according to the offered lead-time and prioritised over those which may be exercised day ahead;
 - Formatted: Indent: Left: 2.02 cm, No bullets or numbering

3.3.1.2 Any DSR Option Offers selected for acceptance shall be accepted for the relevant Option Quantity and not a part thereof; and

3.3.1.3 A DSR Option Offer may be rejected where the relevant Consumer is already contracted by its Shipper with National Grid NTS for the relevant Winter Period for Operating Margins Purposes and where, in National Grid NTS' reasonable opinion, the Exit Facility Deliverability for that Consumer would be insufficient to fulfil both its Operating Margins and DSR obligations.

3.3.2 When selecting DSR Option Offers for acceptance, subject to paragraph 3.3.3, the aggregate value of all DSR Option Offers accepted by National Grid NTS shall not exceed £5,000,000 in respect of any Winter Period.

3.3.3 Where National Grid NTS wishes to accept DSR Option Offers that exceed the value specified in paragraph 3.3.2, National Grid NTS shall, within 10 business days from the date on which the relevant DSR Option Invitation closed, submit a report to the Authority including:

3.3.3.1 The DSR Option Offers that it wishes to accept;

3.3.3.2 The aggregate value of such DSR Option Offers; and

3.3.3.3 Its rationale for wishing to accept such DSR Option Offers.

3.3.4 Within 10 business days from receiving the report referred to in paragraph 3.3.3, the Authority may veto National Grid NTS' proposal, in which case National Grid NTS shall not accept DSR Option Offers with an aggregate value above the value specified in paragraph 3.3.2.

3.3.5 Where the Authority does not veto National Grid NTS' proposal, National Grid NTS shall accept DSR Option Offers in accordance with its report referred to in paragraph 3.3.3.

3.4 Where a Shipper has a DSR Option Offer accepted, that Shipper shall be obliged to post a DSR Market Offer on behalf of the relevant Consumer onto the OCM DSR Locational Market in accordance with the provisions of UNC TPD Section D7.

Section 3-Section 4. The OCM DSR Locational Market

The OCM will include a new OCM-DSR Locational Market. Only National Grid NTS will be permitted to accept Locational bids and offers on the OCM DSR Locational Market; and

- Formatted: Indent: Left: 3.41 cm, No bullets or numbering
- Formatted: Outline numbered + Level: 4 + Numbering Style: 1, 2, 3, ... + Start at: 1 + Alignment: Left + Aligned at: 2.14 cm + Indent at: 3.41 cm
- Formatted: Indent: Left: 0.59 cm, No bullets or numbering
- Formatted: Justified, Indent: Left: 0.75 cm, Outline numbered + Level: 3 + Numbering Style: 1, 2, 3, ... + Start at: 1 + Alignment: Left + Aligned at: 1.43 cm + Indent at: 2.7 cm
- Formatted: Font: (Default) Arial, 10 pt
- Formatted: Font: (Default) Arial, 10 pt
- Formatted: Font: (Default) Arial, 10 pt
- Formatted: Font: (Default) Arial, 10 pt
- Formatted: Font: (Default) Arial, 10 pt
- Formatted: Justified, Indent: Left: 0.59 cm, Space After: 0 pt, Add space between paragraphs of the same style, Line spacing: single, No bullets or numbering
- Formatted: Left, Indent: Left: 0.59 cm
- Formatted: Indent: Left: 0.59 cm, No bullets or numbering
- Formatted: Font: (Default) Arial, 10 pt
- Formatted: Justified, Indent: Left: 0.59 cm, Space After: 0 pt, Add space between paragraphs of the same style, Line spacing: single, No bullets or numbering
- Formatted: Justified, Outline numbered + Level: 4 + Numbering Style: 1, 2, 3, ... + Start at: 1 + Alignment: Left + Aligned at: 2.54 cm + Indent at: 3.81 cm
- Formatted: Indent: Left: 3.81 cm, No bullets or numbering
- Formatted: Justified, Outline numbered + Level: 4 + Numbering Style: 1, 2, 3, ... + Start at: 1 + Alignment: Left + Aligned at: 2.54 cm + Indent at: 3.81 cm
- Formatted: Font: (Default) Arial, 10 pt
- Formatted: Justified, Indent: Left: 1.27 cm, Space After: 0 pt, Add space between paragraphs of the same style, Line spacing: single, No bullets or numbering
- Formatted: Justified, Outline numbered + Level: 4 + Numbering Style: 1, 2, 3, ... + Start at: 1 + Alignment: Left + Aligned at: 2.54 cm + Indent at: 3.81 cm
- Formatted: Font: (Default) Arial, 10 pt
- Formatted: ...
- Formatted: ...
- Formatted: Font: (Default) Arial, 10 pt
- Formatted: Font: (Default) Arial, 10 pt
- Formatted: Font: (Default) Arial, 10 pt
- Formatted: ...
- Formatted: Font: (Default) Arial, 10 pt
- Formatted: Font: (Default) Arial, 10 pt
- Formatted: Font: (Default) Arial, 10 pt
- Formatted: ...
- Formatted: ...
- Formatted: Font: (Default) Arial, 10 pt
- Formatted: ...
- Formatted: Font: 10 pt, Not Bold, Font color: Auto

Shippers ~~M~~market participants will only be able to post Locational ~~and DSR Locational~~ bids and offers. ~~[For clarity—the OCM Locational Market will see no change as a result of Gas DSR].~~

~~3-1-4.1.~~ National Grid NTS will be the only ~~M~~market participant on the OCM DSR Locational ~~m~~Market able to accept Locational bids and Offers;

~~3-2-4.2.~~ As Network Code signatories able to post Physical Offers, Shippers will be the only Market participants able to post Locational bids and offers;

~~3-3-4.3.~~ DSR ~~Market~~ Offers will be posted on to the OCM DSR Locational Market;

~~3-4-4.4.~~ DSR ~~Market~~ Offers will not be visible on the OCM DSR Locational market until a ~~Margins Notice or~~ GBN for a ~~gas~~-Day has been declared;

~~3-5-4.5.~~ Where a DSR ~~Market~~ Offer is accepted it will be regarded as a 'Locational Market Transaction' that will be undertaken in accordance with UNC section D2.2.1 (d) a 'Locational Market Transaction'; and

~~3-6-4.6.~~ For the avoidance of doubt, all accepted DSR ~~Market~~ Offers will be included in the system clearing processes and cash-out for the relevant ~~gas~~-Day ~~and all Option Fees resulting from accepted DSR Option Offers shall be excluded from such processes.~~

~~Section 4-~~Section 5. The DSR Product

~~4-1-5.1.~~ The DSR Product provides 2 items:

- a A specified energy quantity of DSR to be provided by the ~~End User~~Consumer;
- and
- b A Gas Trade for the equivalent DSR energy quantity provided by the Shipper.

~~4-2-5.2.~~ Features of the DSR Product:

~~4-2-1-5.2.1.~~ The DSR Product must be associated with a specific Daily Metered Supply Point that has a registered Annual Quantity (AQ) greater than 2 million therms (DMC).

~~4-2-2-5.2.2.~~ The Product must be submitted onto the OCM Platform– Locational market by a Registered User at the relevant DMC.

~~4-2-3-5.2.3.~~ The Product may be offered as;

- a a Daily product and accepted for each ~~gas-d~~Day exclusively in accordance with UNC Section D2.2.1 (d) a 'Locational Market Transaction' ~~(and all DSR Market Offers submitted pursuant to a DSR Option shall be made on this basis);~~
- or

- b a Multiday product undertaken in accordance with the UNC Section D4 – Multi-Day Balancing Actions;

~~4.2.4.5.2.4.~~ The DSR Product must be submitted onto the OCM Platform - Locational market as a DSR Market Offer, prior to the declaration of a Gas Deficit Emergency (GDE) Stage 2;

~~4.2.5.5.2.5.~~ The DSR Product may be offered in separate tranches of energy quantity, which may be priced individually;

~~4.2.6.5.2.6.~~ Each tranche will be submitted as a single DSR Market Offer;

~~4.2.7.5.2.7.~~ There may be more than one DSR Market Offer at a specific DMC;

~~4.2.8.5.2.8.~~ Each DSR Market Offer must be greater than or equal to 100,000 kWhs (~~the minimum trade quantity on the OCM is 4k4,000 therms on OCM~~);

~~4.2.9.5.2.9.~~ Where the DSR Market Offer has been submitted onto the OCM Platform - Locational market for a relevant ~~gas~~-Day, and remains a valid offer, National Grid NTS may accept the Offer, during the DSR Period;

~~Section 5-~~Section 6. Eligibility

~~5.1.6.1.~~ Only a Registered User at the Supply Points that comply with the eligibility rules specified in this DSR Framework and Methodology may enter offers into the DSR mechanism. In turn the DSR Framework and Methodology must satisfy the criteria and obligations set out in the GT Licence obligation SC9.22.

~~5.2.6.2.~~ An Eligible Supply Point is a 'DMC' customer as defined in the UNC Section A4.5. An Eligible DMC will be:

- a A Supply Point with a registered demand >2million therms per ~~A~~annum (2M tpa);
- b Able to offer a minimum DSR Market Offer energy quantity of 100,000 kWhs in any one ~~DSR Offer~~DSR Market Offer Notice.

~~5.3.6.3.~~ A Shipper may only submit a ~~DSR Offer~~DSR Market Offer onto the OCM Platform – Locational market for an Eligible DMC where:

- a it is a Registered User at the Eligible DMC; and
- b it has entered into a DSR Service Contract, with the relevant ~~End User~~Consumer, prior to the relevant GBN or Margins Notice being declared.

~~Section 6-~~Section 7. DSR Participants

~~6.1.7.1.~~ There are four/five counter parties participating in the DSR arrangement.

~~6.1.1.7.1.1.~~ ~~End User~~Consumer at the Eligible DMC;

- 6.1.2-7.1.2. Shipper & Supplier;
- 6.1.3-7.1.3. OCM Market Operator; and
- 6.1.4-7.1.4. National Grid NTS

6.2-7.2. **End User Consumers**

6.2.1-7.2.1. The **End User Consumer**, with an Eligible DMC, may choose to enter into a DSR arrangement with its registered Shipper/**Supplier**.

6.3-7.3. **The Shipper/Supplier**

6.3.1-7.3.1. The Shipper/**Supplier**, who must be a Registered User at the Eligible DMC, is the party eligible to participate on the OCM Platform - Locational market on behalf of the relevant **End User Consumer** with the Eligible DMC.

6.4-7.4. **OCM Market Operator**

6.4.1-7.4.1. The OCM Market Operator will provide the Locational market within the OCM.

6.4.2-7.4.2. The OCM Market Operator will facilitate offer and acceptance of DSR trades in accordance with the OCM Market Rules contract, and UNC Section Annex D1, which will reflect the DSR **Framework and** Methodology provisions.

6.5-7.5. **National Grid NTS**

6.5.1-7.5.1. National Grid NTS will be the sole party that may accept DSR **Market** Offers within the DSR mechanism.

6.5.2-7.5.2. National Grid NTS will only accept DSR **Market** Offers for national balancing purposes.

~~7.5.3. A DSR **Market** Offer submitted in respect of the current Day for the relevant gas Day may be accepted by National Grid NTS at any time on that Day during a DSR Period.~~

~~6.5.3-7.5.4. A DSR **Market** Offer submitted during D-1 pursuant to an accepted DSR Option Offer may be accepted by National Grid NTS up to 17:00 on D-1 during a DSR Period, following the declaration of a GBN for the relevant gas Day and for the duration of the DSR Period.~~

6.5.4-7.5.5. The acceptance of a DSR **Market** Offer by National Grid NTS does not affect, or set aside, the Network Emergency Coordinator's (NEC), National Grid NTS's or other relevant Transporters' rights or obligations when undertaking their duties under the provisions set out in 'The Gas Safety (Management) Regulations 1996 - NEC Safety Case'.

Formatted: Font color: Red

~~Section 7~~ **Section 8. DSR Contractual Relationship**

~~7.1-8.1.~~ Prior to participating in a DSR Option Invitation and / or posting a DSR Market Offer the registered Shipper must seek agreement via the Supplier with the relevant ~~End User/Consumer~~, ~~that the registered Shipper may post DSR Offers onto the OCM Platform – Locational Market, on behalf of the End User;~~

~~7.2-8.2.~~ Where a DSR Market Offer is accepted by National Grid NTS:

~~7.2.1-8.2.1.~~ The DSR Market Offer acceptance will be a contractual arrangement between the Shipper and National Grid NTS through the existing OCM Market Rules and UNC contractual arrangements.

~~Section 8~~ **Section 9. The DSR Market Offer Price**

~~8.1-9.1.~~ The DSR Market Offer price will be a p/kWh per ~~gas~~-Day conforming to OCM Market Rules.

~~8.2-9.2.~~ The derivation of the DSR Market Offer price will be agreed between the relevant ~~End User/Consumer~~ and its registered Shipper/Supplier and shall not exceed the Exercise Price under the relevant DSR Option, where applicable.

~~8.3-9.3.~~ Accepted DSR Market Offers will be treated in a similar manner to Market Balancing Actions (MBA) and as such all accepted DSR Market Offer prices will feed into the System Average Price (SAP) and System Marginal buy Price (SMPb) calculation for the relevant ~~gas~~-Day in accordance with existing arrangements for other MBAs.

~~8.4-9.4.~~ Payment for the accepted DSR Market Offer will be ~~paid~~made within the same timescales prescribed for all other MBAs, and in accordance with the UNC TPD Section S;

~~8.5-9.5.~~ The Shipper will pay the ~~End User/Consumer~~ the agreed DSR payment for an accepted DSR Market Offer in the timescale agreed by the two parties.

~~Section 9~~ **Section 10. Posting DSR Offer/DSR Market Offers**

~~9.1-10.1.~~ A DSR Market Offer energy quantity placed on the OCM Platform – Locational Market, in respect of any ~~DSR Offer/DSR Market Offer~~, must be greater than 100,000 kWhs.

~~9.2.10.2.~~ In respect of a DSR ~~Market Offer~~ submitted through the ~~gas~~-Day on a 'Tick Down' option, once the DSR ~~Market Offer~~ reduces below the allowed minimum quantity the DSR ~~Market Offer~~ will be withdrawn from the market for the relevant ~~gas~~-Day, this is due to the ~~DSR Offer~~~~DSR Market Offer~~ falling below the minimum bid criteria and will therefore not be a valid offer.

~~9.3.10.3.~~ ~~DSR Offer~~~~DSR Market Offer~~(s) will be for a specified offtake reduction energy quantity (kWhs) at an Eligible DMC and in the form specified by the DSR ~~Framework and Methodology~~. Each ~~DSR Offer~~~~DSR Market Offer~~(s) will relate to one individual energy quantity of reduced offtake (a tranche); for each Eligible DMC the total energy quantity of offtake reduction of all ~~DSR Offer~~~~DSR Market Offer~~s shall not exceed the prevailing Supply Point nominated daily offtake quantity, as set out in the prevailing Gas Flow Nomination, or the Option Quantity (as provided in UNC TPD Section D7) submitted by the relevant Shipper, for the Eligible DMC, for the relevant ~~gas~~-Day.

~~9.4.10.4.~~ A ~~DSR Offer~~~~DSR Market Offer~~ may be posted on to the Locational market of the OCM at any point in time up to the declaration of GDE stage 2 for the ~~gas~~-Day, but will only be able to be accepted during the DSR Period.

~~Section 10.~~Section 11. ~~DSR Offer~~~~DSR Market Offer~~ **Acceptance Arrangements Process**

~~10.1.11.1.~~ Where a GBN or Margins Notice has been declared National Grid NTS may accept ~~DSR Offer~~~~DSR Market Offer~~s on the Locational market for each Day up to the Day that the GBN is revoked, or the gas Day within which GDE Stage 1 has ended and Stage 2 is declared.~~that the DSR Period is open.~~

~~10.2.11.2.~~ Following the declaration of a GDE Stage 2 National Grid NTS will not be required to accept any further ~~DSR Offer~~~~DSR Market Offer~~s.

~~10.3.11.3.~~ Where Declaration of a GDE Stage 2 occurs within a ~~gas~~-Day all ~~DSR Offer~~~~DSR Market Offer~~s accepted whilst in GDE stage 1 will continue to apply.

~~10.4.11.4.~~ All available ~~DSR Offer~~~~DSR Market Offer~~s will be displayed in a price order consistent with all other OCM markets.

~~10.5.11.5.~~ National Grid NTS will accept lowest priced offers first in stack order, making an assessment across the OCM Title, Physical, Locational Markets and the lead-time until such offers will be effective.

~~10.6.11.6.~~ Where National Grid NTS accepts a ~~DSR Offer~~ DSR Market Offer the Shipper will be notified through existing OCM notification processes.

~~Section 11.~~ Section 12. **Exercising the Accepted ~~DSR Offer~~ DSR Market Offers Process**

~~11.1.12.1.~~ 12.1. **Daily Product**

Where National Grid NTS accepts the ~~DSR Offer~~ DSR Market Offer;

~~11.1.1.12.1.1.~~ 12.1.1. The relevant Shipper will notify the relevant ~~End User~~ Consumer of the requirement to reduce their gas offtake for the ~~gas~~ Day by the energy quantity specified; at the specified site, within the timescales, and arrangements prescribed in the relevant ~~DSR Offer~~ DSR Market Offer Notice.

~~11.1.2.12.1.2.~~ 12.1.2. As with all Locational Market Offers accepted on the OCM, the Shipper will notify National Grid NTS of the intent to reduce offtake at the Eligible DMC by submitting a re-nomination at the Eligible DMC Supply Meter Point, as prescribed in UNC Section D2.3 – Contract Re-nominations.

~~Section 12.~~ Section 13. **Treatment of Accepted Offers When Entering into a GDE Stage 2**

~~12.1.~~ 13.1. Where National Grid NTS has already accepted a ~~DSR Offer~~ DSR Market Offer for a ~~gas~~ Day on which National Grid NTS subsequently declares a GDE Stage 2, in accordance with UNC TPD D5.1.2 the Shipper shall nonetheless be required to make the relevant nomination ~~the accepted DSR Offer will be exercised for each Day following the Day the offer was accepted until countermanding instructions are issued by National Grid NTS i.e. instruction from National Grid NTS FLS or during the restoration stage of the GDE.~~

Formatted: Indent: Left: 1.25 cm, No bullets or numbering

~~Section 13.~~ Section 14. **Payment Arrangements**

~~13.1.~~ 14.1. In respect of the Day, or Multiday, that the ~~DSR Offer~~ DSR Market Offer contract duration was accepted for, payment will be made in accordance with the accepted ~~DSR Offer~~ DSR Market Offer price.

Formatted: No bullets or numbering

Formatted: Indent: Left: 1.25 cm, No bullets or numbering

~~13.2.~~ 14.2. For subsequent Days during GDE stage 2; payment at 30-day average SAP for the accepted DSR energy quantity will be made up to the point that the relevant

Formatted: Indent: Left: 1.25 cm, No bullets or numbering

site has been instructed to Firm Load Shedding (FLS), by National Grid NTS or such other relevant Transporter.

~~13.3.~~ 14.3 In the event that the accepted Multiday Offer contract duration runs beyond FLS; the payment will continue to be paid in accordance with the agreed ~~DSR Offer~~DSR Market Offer price until the contract duration is extinguished.

Formatted: Indent: Left: 1.25 cm, No bullets or numbering

~~13.4.~~ 14.4 Where the Eligible DMC is FLS the prevailing DSR payment arrangements will apply in accordance with the Ofgem Gas Significant Code Review (SCR) on Security of Supply (SoS) UNC provisions in which UNC section Q 6.4 - 'DSR Payments' prescribes a DSR payment, for each Day of curtailment, of 30 Day Average SAP (price set from the Day prior to entering Stage 2) multiplied by the energy quantity that was FLS.

Formatted: Indent: Left: 1.25 cm, No bullets or numbering

~~14.5~~ As the DSR is exercised through an OCM trade, once the DSR service has been exercised, the relevant ~~End User~~Consumer will be entitled to receive the relevant DSR payment until the end of the contracted duration on which the ~~DSR Offer~~DSR Market Offer was accepted, irrespective of any countermand instruction from National Grid NTS that the GBN for the relevant ~~gas~~ Day has been repealed.

Formatted: Font: (Default) Arial, 10 pt

~~14.6~~ Payment of Option Fees in relation to DSR Option Offers that have been accepted by National Grid shall be made to the relevant Shippers in accordance with UNC TPD Section D7.

Formatted: Font: (Default) Arial, 10 pt, Font color: Auto

Formatted: Font: (Default) Arial, 10 pt, Not Bold

Formatted: Font color: Auto

Formatted: List Paragraph, Indent: Left: 1.94 cm, No bullets or numbering

Formatted: List Paragraph, Outline numbered + Level: 2 + Numbering Style: 1, 2, 3, ... + Start at: 5 + Alignment: Left + Aligned at: 1.25 cm + Indent at: 1.94 cm

Formatted: Font: (Default) Arial, 10 pt

Formatted: Indent: Left: 1.25 cm, No bullets or numbering

~~13.5.~~

~~Section 14.~~ **Section 15 - DSR Settlement Arrangements**

Formatted: Indent: Left: 2 cm, No bullets or numbering

~~14.1.~~ 15.1 For the purposes of payment and settlement arrangements all accepted ~~DSR Offer~~DSR Market Offers will be regarded as Market Balancing Actions (MBA) taken by National Grid NTS. These payments will be settled with the relevant Shipper.

Formatted: Indent: Left: 1.94 cm, No bullets or numbering

~~14.2.~~ 15.2 The Shipper will be required to pass agreed payments associated with the ~~DSR Offer~~DSR Market Offer to the relevant ~~End User~~Consumer within their agreed settlement timescales.

Formatted: Indent: Left: 1.94 cm, No bullets or numbering

~~14.3.~~ 15.3 Where National Grid NTS accepts a ~~DSR Offer~~DSR Market Offer on a Day for which it later declares a GDE Stage 2; the offer acceptance shall

Formatted: Indent: Left: 1.94 cm, No bullets or numbering

continue to be exercised throughout GDE Stage 2 and higher emergency stages. Payments associated with accepted ~~DSR offer~~ DSR Market Offer energy quantities will be settled as follows:

a 15.3.1 For each relevant Day after the declaration of GDE stage 2, all settlement of ~~DSR Offer~~ DSR Market Offer energy quantities accepted prior to the declaration of entry into GDE stage 2, will NOT be executed within the settlement timescales prescribed for Market Balancing Action settlement arrangements. These ~~DSR Offer~~ DSR Market Offer payments will be settled in accordance with the Gas SCR SoS UNC provisions, UNC section Q 6.4.7 - 'DSR Payments', and will be settled within the same timescales and under the funding arrangements provided for DSR Payments relating to Involuntary DSR through FLS.

Formatted: Indent: Left: 2.5 cm, No bullets or numbering

b 15.3.2 Accepted ~~DSR Offer~~ DSR Market Offers will receive DSR Payment, at the offer price multiplied by the energy quantity accepted in the DSR Mechanism, for each Day the site is curtailed, up to the day on which the site is subject to FLS. A FLS site will receive DSR Payments, for the total energy quantity of the accepted Offer (including both voluntary and involuntary DSR) in accordance with the DSR settlement arrangements prescribed in UNC section Q 6.4.7 - 'DSR Payments' (SCR SoS provisions to be introduced in September 2015).

Formatted: Indent: Left: 2.5 cm, No bullets or numbering

15.4 Supplier Licence Condition 19D of the Gas Supply Licence and Shipper Licence Condition 15A of the Gas Shipper Licence set out the obligation for passing on Involuntary DSR payments to ~~End-User~~ Consumers as soon as reasonably practicable.

Formatted: Font: (Default) Arial, 10 pt

Formatted: List Paragraph, Outline numbered + Level: 2 + Numbering Style: 1, 2, 3, ... + Start at: 4 + Alignment: Left + Aligned at: 1.94 cm + Indent at: 2.63 cm

15.5 Option Fees payable to Shippers in respect of DSR Option Offers shall be settled from balancing neutrality in accordance with the provisions in UNC TPD Section D7.

Formatted: Indent: Left: 1.25 cm, No bullets or numbering

Formatted: Outline numbered + Level: 2 + Numbering Style: 1, 2, 3, ... + Start at: 4 + Alignment: Left + Aligned at: 1.94 cm + Indent at: 2.63 cm

~~14.4.~~

~~Section 15.~~ **Section 16 - Liability Arrangements**

Formatted: No bullets or numbering

~~15.1.~~ 16.1 When submitting the ~~DSR Offer~~ DSR Market Offer onto the OCM Platform – Locational market the Shipper warrants that the ~~DSR Offer~~ DSR Market Offer accurately reflects the details agreed in the relevant

Formatted: Indent: Left: 2.63 cm, No bullets or numbering

~~DSR Offer~~DSR Market Offer Notice. The Shipper will be solely responsible and liable for any error or omission in the ~~DSR Offer~~DSR Market Offer, when registering onto the Locational market; these liabilities will manifest themselves as clearing (cash-out) costs, Physical Re-nomination Incentive (PRI) charges and Scheduling charges.

~~16.2~~ 16.2 Where the amount of gas offtaken for a relevant gas Day at the relevant Eligible DMC is not less than or equal to the re-nomination submitted by the Shipper, in response to the acceptance of a ~~DSR Offer~~DSR Market Offer, then the Shipper is potentially exposed to clearing costs, and the ~~End User~~Consumer has therefore not met its trade requirements. The ~~End User~~Consumer and the registered Shipper should consider liability arrangements associated with the Shipper's exposure to such clearing costs.

Formatted: Font: (Default) Arial, 10 pt

Formatted: List Paragraph, Outline numbered + Level: 2 + Numbering Style: 1, 2, 3, ... + Start at: 2 + Alignment: Left + Aligned at: 1.94 cm + Indent at: 2.63 cm

~~15.2-16.3~~ 16.3 Where a Shipper has a DSR Option Offer accepted and either fails to post the associated DSR Market Offer or posts such offer not in compliance with the requirements of UNC TPD Section D7, that Shipper shall incur a penalty charge determined in accordance with UNC TPD Section D7.

Formatted: List Paragraph, Left, Space After: 0 pt, Add space between paragraphs of the same style, Line spacing: single, No bullets or numbering

Formatted: Outline numbered + Level: 2 + Numbering Style: 1, 2, 3, ... + Start at: 2 + Alignment: Left + Aligned at: 1.94 cm + Indent at: 2.63 cm

~~Section 16.~~ **Section 17 - The UNC Provisions**

In respect of the DSR Framework and Methodology the UNC will include the following provisions:

Formatted: No bullets or numbering

~~17.1~~ 17.1 -Prior to posting a ~~DSR Offer~~DSR Market Offer onto the OCM the registered Shipper will have a record of the agreement, with the relevant ~~End User~~Consumer of the relevant site, that the Shipper may post the ~~DSR Offer~~DSR Market Offer(s) on behalf of the relevant ~~End User~~Consumer.

~~16.1.~~

Formatted: No bullets or numbering

~~16.2.~~ 17.2 An accepted ~~DSR Offer~~DSR Market Offer will be processed and settled in accordance with Locational Market Transaction arrangements.

Formatted: Indent: Left: 2.63 cm, No bullets or numbering