

Draft 1.10: 0510 JanuaryFebruary 2020

**OAD TEMPLATE AGREEMENTS DOCUMENT
(OFFTAKE ARRANGEMENTS DOCUMENT, SECTION N1.2.1)**

Version	Date	Recorded Changes

Introduction

This is the OAD Templates Agreement Document referred to in the Offtake Arrangements Document (OAD) Section N1.2.1(g).

The OAD Template Agreements Document is an Offtake Subsidiary Document and accordingly is subject to the further provisions of OAD Section N1.2.

Contents

The OAD Template Agreements Document contains the following template documents:

Reference	Template Document	Notes
Part 1	NTS/LDZ Offtake - Supplemental Agreement (Bilateral)	Single Offtake at Offtake Site
Part 2	NTS/LDZ Offtake - Supplemental Agreement (Tripartite)	Two Offtakes and Offtake Site and single Site Services Party in respect of both Offtakes
Part 3	LDZ/LDZ Offtake - Supplemental Agreement	-
Part 4	Shared Site Agreement (No Offtake)	Shared Site at which there is no Offtake

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PART 1
NTS/LDZ OFFTAKE - SUPPLEMENTAL AGREEMENT (BILATERAL)

UNC Supplemental Agreement

NTS/LDZ OFFTAKE – BILATERAL AGREEMENT

[Site/Offtake Name]

UNC SUPPLEMENTAL AGREEMENT

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THIS SUPPLEMENTAL AGREEMENT is made on [] between:

- (1) **National Grid Gas plc**, a company incorporated in England and Wales with company registration number [] and whose registered office is at [] ("**National Grid NTS**"); and
- (2) [], a company incorporated in [England and Wales] with company registration number [] and whose registered office is at [] (the "**DNO**").

WHEREAS:

- (A) National Grid NTS is the operator of the National Transmission System.
- (B) The DNO is the operator of the Local Distribution Zone known as [].
- (C) The Local Distribution Zone is or is to be connected to the National Transmission System at an Offtake known as [] and located at [].
- (D) National Grid NTS and the DNO are Parties to the Offtake Arrangements Document.
- (E) The parties are entering into this Agreement for the purposes of recording certain details relating to the Offtake as required by the Offtake Arrangements Document.

NOW IT IS HEREBY AGREED as follows:

1. Interpretation

- 1.1 In this Agreement, "**Offtake Arrangements Document**" means the Offtake Arrangements Document which forms part of the Uniform Network Code prepared by the Parties (together with other parties) pursuant to their respective gas transporter's licences, as incorporated into the network code prepared by National Grid Gas plc pursuant to its gas transporter's licences and made binding by the Transporters Framework Agreement dated [01/05/2005] between National Grid NTS, the DNO and the other parties to that Agreement.
- 1.2 Subject to paragraph 1.3, terms defined in the Offtake Arrangements Document shall have the same meanings in this Agreement.
- 1.3 References in this Agreement to the Offtake are to the Offtake referred to in Recital C (and other terms defined in the Offtake Arrangements Document and used in this Agreement shall be construed accordingly).
- 1.4 This is a Supplemental Agreement for the purposes of the Offtake Arrangements Document.

2. Details of Offtake

- 2.1 The Offtake is more particularly described, and details of the Individual Offtake Point(s) comprised in the Offtake are set out, in Appendix B: Site Assets and Ownership.
- 2.2 Details of the Offtake Site (and in relation to such site or any part thereof the Site Owner and where applicable Site User) are set out in Appendix A: Site Details.
- 2.3 Details of the Site Services to be provided at the Offtake Site and the Party responsible for the provision of such Site Services are set out in Appendix C: Site Services.

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Site	
Site Owner	
Site User(s)	
Date	

Any issues concerning the content within this document should be raised with the Site Owner via email to: [address@operatororganisation.com]

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- 1. Any pre-populated Text shown within the Appendix in italic fonts is for guidance only. Any text that is in a normal font is to remain as is.*
 - 2. Any text denoted with an Asterix (*) is delete or amend as necessary*
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Contents

- Appendix A Site Details
- Appendix B Site Assets & Ownership
- Appendix C Site Services
- Appendix D Measurement Equipment and Permitted Ranges
- Appendix E Telemetered Data Requirements
- Appendix F Miscellaneous
- Appendix G Document History

Appendix A: Site Details

Name of the Offtake Site		
Postal address of the Offtake Site		
Co-ordinates for the Offtake Site	OS Coordinates	BNG Coordinates
	<i>xx.Sd xxx xxx *</i>	E: <i>xxxxxx *</i> ; N: <i>xxxxxx *</i>
Owner of the site (the Site Owner)		
Site User(s)		
Offtake Type	Type	Sub-Type
	NTS / LDZ	Offtake * Closed Offtake * <i>(Bi-directional) *</i>
Site safety and access arrangements	.	
Third Party Interests		

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Appendix B: Site Assets & Ownership

1.1 Points of Offtake

Points of Offtake		
Exceptions		
Other		
Drawing/Diagram	Please refer to the following Site Owner drawings:	
	PSD	
	GA	
	<u>HAZ</u>	
	Electrical SLD	
	Other (please specify)	

1.2 Electrical Arrangements

Main Arrangements

Main Supply	
Specific Ownership	

Shared Boards

Board Number or Name			
Board Owner			
Specific Ownership	<i>Way/Fuse</i>	<i>Owner</i>	<i>Asset / Description</i>

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Actuated Valves

Specific Ownership	<i>DNO</i>		<i>NGG</i>	
	<i>Valve</i>	<i>Type</i>	<i>Valve</i>	<i>Type</i>

Hydraulic Valves

Specific Ownership	<i>DNO</i>		<i>NGG</i>	
	<i>Valve</i>	<i>Type</i>	<i>Valve</i>	<i>Type</i>
(note: Any RGH's will be connected to the site's telemetry arrangements)				

Standby Power Arrangements

Item	Owner	Location	Supports
Comments:			

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1.3 Telemetry Arrangements

Main Arrangements

Specific Ownership	Site Owner (DNO)		
	Assets	IS Barrier Box	Notes:
		RTU	
		Router	
		Ethernet Hub	
		Ports	
		DSL	
		Satellite Dish / Radio	
		Non IS I/F Box	
	Site User (NGG)		
Assets	IS Barrier Box	Notes:	
	RTU		
	Router		
	Ethernet Hub		
	Ports		
	DSL		
	Satellite Dish / Radio		
	Non IS I/F Box		

P1 Pressure Transmitter

Transmitter	Owner	Demarcation	Location	RTU

Other Pressure Transmitters

Transmitter	Owner	Demarcation	Location	RTU

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Shared Barrier Loops

Transmitter	Owner	Transmitter	Owner	Loop

Any maintenance required to P1 will require prior notification via the OAD process.

1.4 FWACV Arrangements

FWACV Asset	Number on Site	Location, description & ownership		
Sample Point	X ⁺	1		
		2		
PRU's	X ⁺	1		
		2		
Chromatographs	X ⁺	1		
		2		
OMNI Computers	X ⁺	1		
		2		
Controllers	X ⁺	1		
		2		
Mircobox / AB's	X ⁺	1		
		2		
Moxa Unit	X ⁺	1		
ADAM Unit	X ⁺	1		
Brief description of how systems are shared				

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1.5 Cathodic Protection Arrangements

CP System / Asset	Owner	Comments
AGI TR		
Pipeline TR		
I/J's 1		

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I/J's 2, 3, I/F5 and 6		
Groundbeds		
Drain Point(s)		
Shared Test Posts		
Data Loggers		
Other Information: •		

1.6 Buildings, structures and enclosures

All building, structures and enclosures are owned by the site owner unless listed below:

Specific Ownership	Asset	Owner	Location

1.7 Other Shared Arrangements

Asset	Owner	Location	Description of Shared Arrangement

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Appendix C: Site Services:

The following services are provided by the Site Owner to the Site User, unless otherwise agreed:

Cathodic Protection	<p>In relation to cathodic protection systems, the Site Services (to be provided by the Services Party) include:</p> <ul style="list-style-type: none"> • <u>a)</u> maintaining and testing such cathodic protection systems (and planning for such maintenance in accordance with the provisions for Relevant Maintenance in Section G of the Offtake Arrangements Document); and • <u>b)</u> providing each Site User a report certifying compliance of the cathodic protection systems agreed standards no later than 14 days after any maintenance or testing in accordance with sub-paragraph (a). 															
Electrical	<p>All power provided to site users assets as provided via the main supply and busbar. This includes lighting to all buildings, site flood lighting, and space heating. See Appendix B for asset ownership.</p>															
Standby Power	<p><u>Refer to Appendix B1.2 for Standby Power Arrangements. Please detail any other specific arrangements.</u></p>															
Security	<p>Site Fence & ISS Requirements (Also see Appendix A for access and Appendix B for asset ownership)</p>															
General Site Services	<ul style="list-style-type: none"> • Drainage • General Site Maintenance 															
Telecommunications	<p>The following lines are available on site:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: yellow;"> <th style="text-align: center;">Line</th> <th style="text-align: center;">Type</th> <th style="text-align: center;">Owner</th> <th style="text-align: center;">Comment</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">xxxx – xxx xxxx_*</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">xxxx – xxx xxxx_*</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Line	Type	Owner	Comment	xxxx – xxx xxxx_*				xxxx – xxx xxxx_*			
Line	Type	Owner	Comment													
xxxx – xxx xxxx_*																
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Telemetry	<p>All Telemetry assets except the P1 Transmitter are owned by the Site Owner (Appendix B)</p> <p>The following Site User's assets are connected to the Site Owners Telemetry system:</p> <ul style="list-style-type: none"> • The P1 transmitter is connected to the site owners IS Barrier Box & RTU. • The site user's FWACV system is connected via the site owners Ethernet Hub. (See Appendix B, 1.4) 															

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	<ul style="list-style-type: none">• <i>The site user's ROV's are connected via the RTU and routers. This uses the site owners communication system for control.</i>
Water and Welfare Arrangements	
Retention of Site Records inc. maintenance reports for site services.	

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Appendix D: Measurement Equipment and Permitted Ranges:

The Measurement Equipment, and the Permitted Range for the Measurement Equipment, are as follows:

Flow Rates

	Specified Range	Permitted Uncertainty Level	
Instantaneous Volume Flow Rate <i>Based on pressure of xx barg</i>	Between x_{-}^{*} % and x_{+}^{*} % of $x.x_{-}^{*}$ MCM/day		
Instantaneous Energy Flow Rate. <i>Based on mean CV = xx.xx MJ/m³ and pressure of xx Bar</i>	Between x_{-}^{*} % and x_{+}^{*} % of $x.x_{-}^{*}$ TJ/day		
Pressure and Temperature			
	Specified Range		
Offtake Inlet Gas Pressure	0 – 80 barg	+/- $x.x_{-}^{*}$ % of specified range	
Outlet Gas Temperature	-10 to 40 deg C	+/- $x.x_{-}^{*}$ % of specified range	
Gas Quality – CV Directed Offtake / Non-CV Directed Offtake * Delete as necessary			
	Specified Range	Permitted Uncertainty Level	
CV		+/- $x.x_{-}^{*}$ MJ/m ³	
Carbon Dioxide (CV Directed Offtakes Only)		+/- $x.x_{-}^{*}$ mol %	
Nitrogen (CV Directed Offtakes Only)		+/- $x.x_{-}^{*}$ mol %	
Relative Density		+/- $x.xxx_{-}^{*}$	
Wobbe No. (CV Directed Offtakes Only)		+/- $x.x_{-}^{*}$ MJ/m ³	
Measurement Equipment			
No. of Meter Streams	Stream flow as % of total capacity	Meter Type	Design Details
x_{-}^{*} stream(s)	$(x) \times 100\%^{*}$ Or $1 \times 50\%^{*}$ $1 \times 50\%^{*}$		<i>Tube A DIA = x mm</i> <i>Nominal Plate Bore DIA = x mm</i>

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Appendix E: Telemetered Data Requirements:

In this section:

- a) a Minimum Requirement is a requirement applicable in relation to any Offtake;
- b) a Site-Specific Option is a requirement applicable (in accordance with paragraph (c) below) in relation to certain Offtakes;
- c) Site-Specific Options are applicable where so provided under 'Comments' or where agreed between the Parties.
- d) Information may be provided under 'Comments' in relation to Minimum Requirements and/or Site-Specific Options.

Part 1 – Analogues

Point Name	Minimum Required	Site Specific Options	DN Control System Point Name	NGG Unique Name	Comments

Part 2 – Digitals

Point Name	Minimum Required	Site Specific Options	DN Control System Point Name	NGG Unique Name	Comments

UNC Supplemental Agreement

Part 3 – Valve Monitoring / Control

Point Name	Minimum Required	Site Specific Options	DN Control System Point Name	NGG Unique Name	Comments

Part 4 – Integrators

Point Name	Minimum Required	Site Specific Options	DN Control System Point Name	NGG Unique Name	Comments

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Appendix F: Miscellaneous:

(to be used for designate offtakes and other requirements as agreed between the parties)

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Appendix G: Document History:

Dated Version	Recorded Changes

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PART 2

NTS/LDZ OFFTAKE - SUPPLEMENTAL AGREEMENT (TRIPARTITE)

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NTS/LDZ OFFTAKE – TRIPARTITE AGREEMENT

[Site/Offtake Name]

UNC SUPPLEMENTAL AGREEMENT

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1. **THIS SUPPLEMENTAL AGREEMENT** is made on [] between:
 - (1) **National Grid Gas plc**, a company incorporated in England and Wales with company registration number [] and whose registered office is at [] ("**National Grid NTS**");
 - (2) [], a company incorporated in [England and Wales] with company registration number [] and whose registered office is at [] (the "**DNO**"); and
 - (3) [], a company incorporated in [England and Wales] with company registration number [] and whose registered office is at [] (the "**Site Services Party**").

WHEREAS:

- (A) National Grid NTS is the operator of the National Transmission System.
- (B) The DNO is the operator of the Local Distribution Zone known as [].
- (C) The Local Distribution Zone is or is to be connected to the National Transmission System at an Offtake known as [] and located at [].
- (D) The Offtake is located at an Offtake Site at which another Offtake is also located and in respect of which the Site Services Party is the Services Party, and the parties have agreed that the Site Services Party shall be responsible for providing the services as provided for in this Agreement.
- (E) National Grid NTS, the DNO and the Site Services Party are Parties to the Offtake Arrangements Document.
- (F) The parties are entering into this Agreement for the purposes of recording certain details relating to the Offtake as required by the Offtake Arrangements Document.

NOW IT IS HEREBY AGREED as follows:

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UNC Supplemental Agreement Appendix

Site	
Site Owner	
Site User(s)	
Date	

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- Appendix F Miscellaneous
- Appendix G Document History

Appendix A: Site Details

Name of the Offtake Site		
Postal address of the Offtake Site		
Co-ordinates for the Offtake Site	OS Coordinates	BNG Coordinates
	<i>xx SJ xxx xxx *</i>	E: <i>xxxxxx *</i> , N: <i>xxxxxx *</i>
Owner of the site (the Site Owner)		
Site User(s)		
Offtake Type	Type	Sub-Type
	NTS / LDZ	Offtake * Closed Offtake * <i>(Bi-directional) *</i>
Site safety and access arrangements		
Third Party Interests		

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Appendix B: Site Assets & Ownership

1.1 Points of Offtake

Points of Offtake		
Exceptions		
Other		
Drawing/Diagram	Please refer to the following Site Owner drawings:	
	PSD	
	GA	
	<u>HAZ</u>	
	Electrical SLD	
	Other (please specify)	

1.2 Electrical Arrangements

Main Arrangements

Main Supply	
Specific Ownership	

Shared Boards

Board Number or Name			
Board Owner			
Specific Ownership	<i>Way/Fuse</i>	<i>Owner</i>	<i>Asset / Description</i>

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Actuated Valves

Specific Ownership	<i>DNO</i>		<i>NGG</i>	
	<i>Valve</i>	<i>Type</i>	<i>Valve</i>	<i>Type</i>

Hydraulic Valves

Specific Ownership	<i>DNO</i>		<i>NGG</i>	
	<i>Valve</i>	<i>Type</i>	<i>Valve</i>	<i>Type</i>
(note: Any RGH's will be connected to the site's telemetry arrangements)				

Standby Power Arrangements

Item	Owner	Location	Supports
Comments:			

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1.3 Telemetry Arrangements

Main Arrangements

Specific Ownership	Site Owner (DNO)		
	Assets	IS Barrier Box	Notes:
		RTU	
		Router	
		Ethernet Hub	
		Ports	
		DSL	
		Satellite Dish / Radio	
		Non IS I/F Box	
	Site User (NGG)		
Assets	IS Barrier Box	Notes:	
	RTU		
	Router		
	Ethernet Hub		
	Ports		
	DSL		
	Satellite Dish / Radio		
	Non IS I/F Box		

P1 Pressure Transmitter

Transmitter	Owner	Demarcation	Location	RTU

Other Pressure Transmitters

Transmitter	Owner	Demarcation	Location	RTU

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Shared Barrier Loops

Transmitter	Owner	Transmitter	Owner	Loop

Any maintenance required to P1 will require prior notification via the OAD process.

1.4 FWACV Arrangements

FWACV Asset	Number on Site	Location, description & ownership	
Sample Point	X * X	1	
		2	
PRU's	X * X	1	
		2	
Chromatographs	X * X	1	
		2	
OMNI Computers	X * X	1	
		2	
Controllers	X * X	1	
		2	
Mircobox / AB's	X * X	1	
		2	
Moxa Unit	X * X	1	
ADAM Unit	X * X	1	
Brief description of how systems are shared			

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1.5 Cathodic Protection Arrangements

CP System / Asset	Owner	Comments
AGI TR		
Pipeline TR		
I/J's 1		

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I/J's 2, 3, I/F5 and 6		
Groundbeds		
Drain Point(s)		
Shared Test Posts		
Data Loggers		
Other Information:		
•		

1.6 Buildings, structures and enclosures

All building, structures and enclosures are owned by the site owner unless listed below:

Specific Ownership	Asset	Owner	Location

1.7 Other Shared Arrangements

Asset	Owner	Location	Description of Shared Arrangement

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Appendix C: Site Services:

The following services are provided by the Site Owner to the Site User, unless otherwise agreed:

Cathodic Protection	<p>In relation to cathodic protection systems, the Site Services (to be provided by the Services Party) include:</p> <ul style="list-style-type: none"> • <u>a)</u> maintaining and testing such cathodic protection systems (and planning for such maintenance in accordance with the provisions for Relevant Maintenance in Section G of the Offtake Arrangements Document); and • <u>b)</u> providing each Site User a report certifying compliance of the cathodic protection systems agreed standards no later than 14 days after any maintenance or testing in accordance with sub-paragraph (a). 															
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Standby Power	<p><u>Refer to Appendix B1.2 for Standby Power Arrangements. Please detail any other specific arrangements.</u></p>															
Security	<p>Site Fence & ISS Requirements (Also see Appendix A for access and Appendix B for asset ownership)</p>															
General Site Services	<ul style="list-style-type: none"> • Drainage • General Site Maintenance 															
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Telemetry	<p>All Telemetry assets except the P1 Transmitter are owned by the Site Owner (Appendix B)</p> <p>The following Site User's assets are connected to the Site Owners Telemetry system:</p> <ul style="list-style-type: none"> • The P1 transmitter is connected to the site owners IS Barrier Box & RTU. • The site user's FWACV system is connected via the site owners Ethernet Hub. (See Appendix B, 1.4) 															

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	<ul style="list-style-type: none"><i>The site user's ROV's are connected via the RTU and routers. This uses the site owners communication system for control.</i>
Water and Welfare Arrangements	
<u>Retention of Site Records inc. maintenance reports for site services.</u>	

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Appendix D: Measurement Equipment and Permitted Ranges:

The Measurement Equipment, and the Permitted Range for the Measurement Equipment, are as follows:

Flow Rates

	Specified Range	Permitted Uncertainty Level	
Instantaneous Volume Flow Rate Based on pressure of xx barg	Between x* % and x* % of x.x* MCM/day		
	Between x% and x% of x.x MCM/day		
Instantaneous Energy Flow Rate. Based on mean CV = xx.xx MJ/m ³ and pressure of xx Bar	Between x* % and x* % of x.x* TJ/day		
	Between x % and x% of x.x TJ/day		
Pressure and Temperature			
	Specified Range		
Offtake Inlet Gas Pressure	0 – 80 barg	+/- x.x*% of specified range	
Outlet Gas Temperature	-10 to 40 deg C	+/- x.x*% of specified range	
Gas Quality – CV Directed Offtake / Non-CV Directed Offtake * Delete as necessary			
	Specified Range	Permitted Uncertainty Level	
CV		+/- x.x* MJ/m ³ +/- x.x MJ/m ³	
Carbon Dioxide (CV Directed Offtakes Only)		+/- x.x* mol % +/- x.x mol %	
Nitrogen (CV Directed Offtakes Only)		+/- x.x* mol % +/- x.x mol %	
Relative Density		+/- x.xxx* +/- x.xxx	
Wobbe No. (CV Directed Offtakes Only)		+/- x.x* MJ/m ³ +/- x.x MJ/m ³	
Measurement Equipment			
No. of Meter Streams	Stream flow as % of total capacity	Meter Type	Design Details
x stream(s) *	(x) x 100% * Or 1 x 50% * 1x 50% *		Tube A DIA = x mm Nominal Plate Bore DIA = xmm

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Appendix E: Telemetered Data Requirements:

In this section:

- e) a Minimum Requirement is a requirement applicable in relation to any Offtake;
- f) a Site-Specific Option is a requirement applicable (in accordance with paragraph (c) below) in relation to certain Offtakes;
- g) Site-Specific Options are applicable where so provided under 'Comments' or where agreed between the Parties.
- h) Information may be provided under 'Comments' in relation to Minimum Requirements and/or Site-Specific Options.

Part 1 – Analogues

Point Name	Minimum Required	Site Specific Options	DN Control System Point Name	NGG Unique Name	Comments

Part 2 – Digitals

Point Name	Minimum Required	Site Specific Options	DN Control System Point Name	NGG Unique Name	Comments

UNC Supplemental Agreement

Part 3 – Valve Monitoring / Control

Point Name	Minimum Required	Site Specific Options	DN Control System Point Name	NGG Unique Name	Comments

Part 4 – Integrators

Point Name	Minimum Required	Site Specific Options	DN Control System Point Name	NGG Unique Name	Comments

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Appendix F: Miscellaneous:

(to be used for designate offtakes and other requirements as agreed between the parties)

UNC Supplemental Agreement

Appendix G: Document History:

Dated Version	Recorded Changes

UNC Supplemental Agreement

PART 3
LDZ/LDZ OFFTAKE - SUPPLEMENTAL AGREEMENT

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LDZ/LDZ OFFTAKE - SUPPLEMENTAL AGREEMENT

[Site/Offtake Name]

UNC SUPPLEMENTAL AGREEMENT

UNC Supplemental Agreement

1 **THIS SUPPLEMENTAL AGREEMENT** is made on [] between:

- (1) [], a company incorporated in [England and Wales] with company registration number [] and whose registered office is at [] (the "**Upstream DNO**"); and
- (2) [], a company incorporated in [England and Wales] with company registration number [] and whose registered office is at [] (the "**Downstream DNO**")

(each a "**Party**" and collectively the "**Parties**").

WHEREAS:

- (A) The Upstream DNO is the operator of the Local Distribution Zone known as [].
- (B) The Downstream DNO is the operator of the Local Distribution Zone known as [].
- (C) The LDZs are or are to be connected at an Offtake known as [] and located at [].
- (D) The Upstream DNO and Downstream DNO are parties to the Offtake Arrangements Document.
- (E) The Parties are entering into this Agreement for the purposes of recording certain details relating to the Offtake as required by the Offtake Arrangements Document.

NOW IT IS HEREBY AGREED as follows:

1 Interpretation

- 1.1 In this Agreement, "Offtake Arrangements Document" means the Offtake Arrangements Document which forms part of the Uniform Network Code prepared by the Parties (together with other parties) pursuant to their respective gas transporter's licences, as incorporated into the network code prepared by National Grid Gas plc pursuant to its gas transporter's licences and made binding by the Transporters Framework Agreement dated [01/05/2005] between National Grid NTS, the Upstream DNO, the Downstream DNO and the other parties to that Agreement.
- 1.2 Subject to paragraph 1.3, terms defined in the Offtake Arrangements Document shall have the same meanings in this Agreement.
- 1.3 References in this Agreement to the Offtake are to the Offtake referred to in Recital C (and other terms defined in the Offtake Arrangements Document and used in this Agreement shall be construed accordingly).
- 1.4 This is a Supplemental Agreement for the purposes of the Offtake Arrangements Document.

2 Details of Offtake

- 2.1 The Offtake is more particularly described, and details of the Individual Offtake Point(s) comprised in the Offtake are set out, in Appendix B: Site Assets and Ownership.
- 2.2 Details of the Offtake Site (and in relation to such site or any part thereof the Site Owner and where applicable Site User) are set out in Appendix A: Site Details.
- 2.3 Details of the Site Services to be provided at the Offtake Site and the Party responsible for the provision of such Site Services are set out in Appendix C: Site Services.

UNC Supplemental Agreement Appendix

Site	
Site Owner	
Site User(s)	
Date	

Any issues concerning the content within this document should be raised with the Site Owner via email to: [address@operatororganisation.com]

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- 1. Any pre-populated Text shown within the Appendix in italic fonts is for guidance only. Any text that is in a normal font is to remain as is.*
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 - 3. Please remove this Text box before sending on to the other operator to review and accept*
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Contents

- Appendix A Site Details
- Appendix B Site Assets & Ownership
- Appendix C Site Services
- Appendix D Measurement Equipment and Permitted Ranges
- Appendix E Telemetered Data Requirements
- Appendix F Miscellaneous
- Appendix G Document History

Appendix A: Site Details

Name of the Offtake Site		
Postal address of the Offtake Site		
Co-ordinates for the Offtake Site	OS Coordinates	BNG Coordinates
	<i>xxSJ xxx xxx *</i>	E: <i>xxxxxx *</i> , N: <i>xxxxxx *</i>
Owner of the site (the Site Owner)		
Site User(s)		
Offtake Type	Type	Sub-Type
	LDZ / LDZ	Offtake * Closed Offtake * <i>(Bi-directional) *</i>
Site safety and access arrangements		
Third Party Interests		

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UNC Supplemental Agreement

Appendix B: Site Assets & Ownership

1.1 Points of Offtake

Points of Offtake		
Exceptions		
Other		
Drawing/Diagram	Please refer to the following Site Owner drawings:	
	PSD	
	GA	
	<u>HAZ</u>	
	Electrical SLD	
	Other (please specify)	

1.2 Electrical Arrangements

Main Arrangements

Main Supply	
Specific Ownership	

Shared Boards

Board Number or Name			
Board Owner			
Specific Ownership	<i>Way/Fuse</i>	<i>Owner</i>	<i>Asset / Description</i>

UNC Supplemental Agreement

Actuated Valves

Specific Ownership	<i>DNO</i>		<i>NGG</i>	
	<i>Valve</i>	<i>Type</i>	<i>Valve</i>	<i>Type</i>

Hydraulic Valves

Specific Ownership	<i>DNO</i>		<i>NGG</i>	
	<i>Valve</i>	<i>Type</i>	<i>Valve</i>	<i>Type</i>
(note: Any RGH's will be connected to the site's telemetry arrangements)				

Standby Power Arrangements

Item	Owner	Location	Supports
Comments:			

UNC Supplemental Agreement

--

1.3 Telemetry Arrangements

Main Arrangements

Specific Ownership	Site Owner (DNO)		
	Assets	IS Barrier Box	Notes:
		RTU	
		Router	
		Ethernet Hub	
		Ports	
		DSL	
		Satellite Dish / Radio	
		Non IS I/F Box	
	Site User (NGG)		
Assets	IS Barrier Box	Notes:	
	RTU		
	Router		
	Ethernet Hub		
	Ports		
	DSL		
	Satellite Dish / Radio		
	Non IS I/F Box		

P1 Pressure Transmitter

Transmitter	Owner	Demarcation	Location	RTU

Other Pressure Transmitters

Transmitter	Owner	Demarcation	Location	RTU

UNC Supplemental Agreement

Shared Barrier Loops

Transmitter	Owner	Transmitter	Owner	Loop

Any maintenance required to P1 will require prior notification via the OAD process.

1.4 FWACV Arrangements

FWACV Asset	Number on Site	Location, description & ownership	
Sample Point	X * X	1	
		2	
PRU's	X * X	1	
		2	
Chromatographs	X * X	1	
		2	
OMNI Computers	X * X	1	
		2	
Controllers	X * X	1	
		2	
Mircobox / AB's	X * X	1	
		2	
Moxa Unit	X * X	1	
ADAM Unit	X * X	1	
Brief description of how systems are shared			

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1.5 Cathodic Protection Arrangements

CP System / Asset	Owner	Comments
AGI TR		
Pipeline TR		
I/J's 1		

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I/J's 2, 3, I/F5 and 6		
Groundbeds		
Drain Point(s)		
Shared Test Posts		
Data Loggers		
Other Information:		
•		

1.6 Buildings, structures and enclosures

All building, structures and enclosures are owned by the site owner unless listed below:

Specific Ownership	Asset	Owner	Location

1.7 Other Shared Arrangements

Asset	Owner	Location	Description of Shared Arrangement

UNC Supplemental Agreement

Appendix C: Site Services:

The following services are provided by the Site Owner to the Site User, unless otherwise agreed:

Cathodic Protection	<p>In relation to cathodic protection systems, the Site Services (to be provided by the Services Party) include:</p> <ul style="list-style-type: none"> • <u>a)</u> maintaining and testing such cathodic protection systems (and planning for such maintenance in accordance with the provisions for Relevant Maintenance in Section G of the Offtake Arrangements Document); and • <u>b)</u> providing each Site User a report certifying compliance of the cathodic protection systems agreed standards no later than 14 days after any maintenance or testing in accordance with sub-paragraph (a). 															
Electrical	<p>All power provided to site users assets as provided via the main supply and busbar. This includes lighting to all buildings, site flood lighting, and space heating. See Appendix B for asset ownership.</p>															
Standby Power	<p><u>Refer to Appendix B1.2 for Standby Power Arrangements. Please detail any other specific arrangements.</u></p>															
Security	<p>Site Fence & ISS Requirements (Also see Appendix A for access and Appendix B for asset ownership)</p>															
General Site Services	<ul style="list-style-type: none"> • Drainage • General Site Maintenance 															
Telecommunications	<p>The following lines are available on site:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: yellow;"> <th style="text-align: center;">Line</th> <th style="text-align: center;">Type</th> <th style="text-align: center;">Owner</th> <th style="text-align: center;">Comment</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">xxxx – xxx xxxx_*</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">xxxx – xxx xxxx_*</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Line	Type	Owner	Comment	xxxx – xxx xxxx_*				xxxx – xxx xxxx_*			
Line	Type	Owner	Comment													
xxxx – xxx xxxx_*																
xxxx – xxx xxxx_*																
Telemetry	<p>All Telemetry assets except the P1 Transmitter are owned by the Site Owner (Appendix B)</p> <p>The following Site User's assets are connected to the Site Owners Telemetry system:</p> <ul style="list-style-type: none"> • The P1 transmitter is connected to the site owners IS Barrier Box & RTU. • The site user's FWACV system is connected via the site owners Ethernet Hub. (See Appendix B, 1.4) 															

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	<ul style="list-style-type: none"><i>The site user's ROV's are connected via the RTU and routers. This uses the site owners communication system for control.</i>
Water and Welfare Arrangements	
<u>Retention of Site Records inc. maintenance reports for site services.</u>	

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Appendix D: Measurement Equipment and Permitted Ranges:

The Measurement Equipment, and the Permitted Range for the Measurement Equipment, are as follows:

Description of the measurement equipment in the ownership of Downstream DNO:

Vol Measurement Equipment	
Flow Computers	
CV Measurement Equipment	
Odourisation Equipment	
Instrument Housing	

Permitted Ranges for Primary Measurement Equipment:

Item	Unit	Specific Range	Uncertainty
Volume Flow Rate	MSCM/day	$x - x_{\underline{}}$ kscm/d	
Gas Pressure	mbarg	$x - x_{\underline{}}$	
Gas Temperature	°C	$x - x_{\underline{}}$	
CV	MJ/m ³	$x - x_{\underline{}}$	
Relative Density		$x - x_{\underline{}}$	

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Appendix E: Telemetered Data Requirements:

In this section:

- i) a Minimum Requirement is a requirement applicable in relation to any Offtake;
- j) a Site-Specific Option is a requirement applicable (in accordance with paragraph (c) below) in relation to certain Offtakes;
- k) Site-Specific Options are applicable where so provided under 'Comments' or where agreed between the Parties.
- l) Information may be provided under 'Comments' in relation to Minimum Requirements and/or Site-Specific Options.

Part 1 – Analogues

Point Name	Minimum Required	Site Specific Options	DN Control System Point Name	NGG Unique Name	Comments

Part 2 – Digitals

Point Name	Minimum Required	Site Specific Options	DN Control System Point Name	NGG Unique Name	Comments

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Part 3 – Valve Monitoring / Control

Point Name	Minimum Required	Site Specific Options	DN Control System Point Name	NGG Unique Name	Comments

Part 4 – Integrators

Point Name	Minimum Required	Site Specific Options	DN Control System Point Name	NGG Unique Name	Comments

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Appendix F: Miscellaneous:

(to be used for designate offtakes and other requirements as agreed between the parties)

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Appendix G: Document History:

Dated Version	Recorded Changes

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PART 4
SHARED SITE AGREEMENT (Not an OFFTAKE)

UNC Supplemental Agreement

SHARED SITE AGREEMENT (Not an OFFTAKE)

[Site Name]

UNC SUPPLEMENTAL AGREEMENT

UNC Supplemental Agreement

THIS SHARED SITE AGREEMENT is made on [] between:

- (1) [], a company incorporated in England and Wales with company registration number [] and whose registered office is at [] ("Party 1"); and
- (2) [], a company incorporated in [England and Wales] with company registration number [] and whose registered office is at [] ("Party 2").

WHEREAS:

- (A) [Party 1] is the owner and the operator of certain assets forming part of the [named] LDZ located at the Shared Site.
- (B) [Party 2] is the owner and operator certain assets forming part of the [] NTS located at the Shared Site.
- (C) [Party 1] and [Party 2] are Parties to the Offtake Arrangements Document.
- (E) The parties are entering into this Agreement for the purposes of recording certain details relating to the Shared Site as required by the Offtake Arrangements Document.

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NOW IT IS HEREBY AGREED as follows:

1. Interpretation

- 1.1 In this Agreement, "**Offtake Arrangements Document**" means the Offtake Arrangements Document which forms part of the Uniform Network Code prepared by the Parties (together with other parties) pursuant to their respective gas transporter's licences, as incorporated into the network code prepared by National Grid Gas plc pursuant to its gas transporter's licences and made binding by the Transporters Framework Agreement dated [01/05/2005] between National Grid NTS, the DNO and the other parties to that Agreement.
- 1.2 Subject to paragraph 1.3, terms defined in the Offtake Arrangements Document shall have the same meanings in this Agreement.
- 1.3 References in this Agreement (including the Recitals) to the Shared Site are to the Shared Site referred to in Recital C, described in accordance with Clause 2.1 (and other terms defined in the Offtake Arrangements Document and used in this Agreement shall be construed accordingly).
- 1.4 This is a Shared Site Agreement for the purposes of the Offtake Arrangements Document.

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2. Details of Offtake Shared Site

- 2.1 The Shared Site is more particularly described in Appendix A: Site Details.
- 2.2 Details of the Shared Site (and in relation to such site or any part thereof the Site Owner and where applicable Site User) are set out in Appendix B: Site Assets and Ownership.

UNC Supplemental Agreement Appendix

Shared Site	
Site Owner	
Site User(s)	
Date	

Any issues concerning the content within this document should be raised with the Site Owner via email to: [address@operatororganisation.com]

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- Appendix B Site Assets & Ownership
- Appendix C Site Services
- Appendix D Measurement Equipment and Permitted Ranges
- Appendix E Telemetered Data Requirements
- Appendix F Miscellaneous
- Appendix G Document History

Appendix A: Site Details

Name of the Shared Site		
Postal address of the Shared Site		
Co-ordinates for the Shared Site	OS Coordinates	BNG Coordinates
	<i>SJ-xx xxx xxx *</i>	E: <i>xxxxxx *</i> , N: <i>xxxxxx *</i>
Owner of the site (the Site Owner)		
Site User(s)		
Type	Type	Sub-Type
	Shared Site	n/a
Site safety and access arrangements	.	
Third Party Interests	.	

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Appendix B: Site Assets & Ownership

1.1 ~~4.4~~ Site Drawings

Drawing/Diagram	Please refer to the following Site Owner drawings:	
	PSD	
	GA	
	HAZ	
	Electrical SLD	
	Other (please specify)	

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1.2 Electrical Arrangements

Main Arrangements

Main Supply	
Specific Ownership	

Shared Boards

Board Number or Name			
Board Owner			
Specific Ownership	Way/Fuse	Owner	Asset / Description

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Actuated Valves

Specific Ownership	DNO		NGG	
	Valve	Type	Valve	Type

Hydraulic Valves

Specific Ownership (note: Any RGH's will be connected to the site's telemetry arrangements)	DNO		NGG	
	Valve	Type	Valve	Type

Standby Power Arrangements

Item	Owner	Location	Supports
Comments:			

1.23 Telemetry Arrangements

Main Arrangements

UNC Supplemental Agreement

Specific Ownership	Site Owner (DNO)		
	Assets	IS Barrier Box	Notes:
		RTU	
		Router	
		Ethernet Hub	
		Ports	
		DSL	
		Satellite Dish / Radio	
		Non IS I/F Box	
	Site User (NGG)		
Assets	IS Barrier Box	Notes:	
	RTU		
	Router		
	Ethernet Hub		
	Ports		
	DSL		
	Satellite Dish / Radio		
	Non IS I/F Box		

P1 Pressure Transmitter

Transmitter	Owner	Demarcation	Location	RTU

Other Pressure Transmitters

Transmitter	Owner	Demarcation	Location	RTU

Shared Barrier Loops

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Transmitter	Owner	Transmitter	Owner	Loop

Any maintenance required to P1 will require prior notification via the OAD process.

1.43 FWACV Arrangements

FWACV Asset	Number on Site	Location, description & ownership	
Sample Point	X**X	1	
		2	
PRU's	X**X	1	
		2	
Chromatographs	X**X	1	
		2	
OMNI Computers	X**X	1	
		2	
Controllers	X**X	1	
		2	
Mircobox / AB's	X**X	1	
		2	
Moxa Unit	X**X	1	
ADAM Unit	X**X	1	
Brief description of how systems are shared			

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1.54 Cathodic Protection Arrangements

CP System / Asset	Owner	Comments
AGI TR		
Pipeline TR		
I/J's 1		
I/J's 2, 3, I/F5 and 6		
Groundbeds		
Drain Point(s)		
Shared Test Posts		
Data Loggers		
Other Information:		
•		

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1.65 Buildings, structures and enclosures

All building, structures and enclosures are owned by the site owner unless listed below:

Specific Ownership	Asset	Owner	Location

1.76 Other Shared Arrangements

Asset	Owner	Location	Description of Shared Arrangement

UNC Supplemental Agreement

Appendix C: Site Services:

The following Site Services are provided by the Site Owner to the Site User, unless otherwise agreed:-

Cathodic Protection	<p>In relation to cathodic protection systems, the Site Services (to be provided by the Services Party) include:</p> <ul style="list-style-type: none"> • <u>a)</u> maintaining and testing such cathodic protection systems (and planning for such maintenance in accordance with the provisions for Relevant Maintenance in Section G of the Offtake Arrangements Document); and • <u>b)</u> providing each Site User a report certifying compliance of the cathodic protection systems agreed standards no later than 14 days after any maintenance or testing in accordance with sub-paragraph (a). 															
Electrical	<p>All power provided to site users assets as provided via the main supply and busbar. This includes lighting to all buildings, site flood lighting, and space heating. See Appendix B for asset ownership:-</p> <p>-</p>															
Standby Power	<p><u>Refer to Appendix B1.2 for Standby Power Arrangements. Please detail any other specific arrangements.</u></p>															
Security	<p>Site Fence & ISS Requirements (Also see Appendix A for access and Appendix B for asset ownership)</p>															
General Site Services	<ul style="list-style-type: none"> • Drainage • General Site Maintenance 															
Telecommunications	<p>The following lines are available on site:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: yellow;">Line</th> <th style="background-color: yellow;">Type</th> <th style="background-color: yellow;">Owner</th> <th style="background-color: yellow;">Comment</th> </tr> </thead> <tbody> <tr> <td>xxxx – xxx xxxx_*</td> <td></td> <td></td> <td></td> </tr> <tr> <td>xxxx – xxx xxxx_*</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Line	Type	Owner	Comment	xxxx – xxx xxxx_*				xxxx – xxx xxxx_*			
Line	Type	Owner	Comment													
xxxx – xxx xxxx_*																
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Telemetry	<p>All Telemetry assets are owned by the Site Owner.</p>															
Water and Welfare Arrangements																
Retention of Site Records inc. maintenance reports for																

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site services.

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Appendix D: Measurement Equipment and Permitted Ranges:

No Measurement Equipment or facilities are required to support this agreement.

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Appendix E: Telemetered Data Requirements:

Detail any points of data agreed between the parties that are to be transferred or shared.

Point Name	Minimum Required	Site Specific Options	DN Control System Point Name	NGG Unique Name	Comments

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Appendix F: Miscellaneous:

(to be used for designate offtakes and other requirements as agreed between the parties)

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Appendix G: Document History:

Dated Version	Recorded Changes

Document End