

UNC Supplemental Agreement

Site	
Site Owner	
Site User(s)	
Version	
Date	

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

UNC Supplemental Agreement

Contents

- Section 1 Site Details
- Section 2 Site Assets & Ownership
- Section 3 Site Services
- Section 4 Measurement Equipment and Permitted Ranges
- Section 5 Telemetered Data Requirements
- Section 6 Document History

Section 1: Site Details

Name of the Offtake Site		
Postal address of the Offtake Site		
Co-ordinates for the Offtake Site	OS Coordinates	BNG Coordinates
	SJ xxx xxx	E: xxxxxx, N: xxxxxx
Owner of the site (the Site Owner)		
Site User(s)		
Site safety and access arrangements	.	
Third Party Interests		

UNC Supplemental Agreement

Section 2: Site Assets & Ownership

2.1 Points of Offtake

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

2.2 Electrical Arrangements

2.2.1 Main Arrangements

Main Supply	
Specific Ownership	

2.2.2 Shared Boards

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

UNC Supplemental Agreement

2.2.2 Actuated Valves

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

2.2.3 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)				

2.2.4 Standby Power Arrangements

Item	Owner	Location	Supports
Comments:			

UNC Supplemental Agreement

2.3 Telemetry Arrangements

2.3.1 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			

2.3.2 P1 Pressure Transmitter

Transmitter	Owner	Demarcation	Location	RTU

2.3.3 Other Pressure Transmitters

Transmitter	Owner	Demarcation	Location	RTU

UNC Supplemental Agreement

--	--	--	--	--

2.3.4 Shared Barrier Loops

Transmitter	Owner	Transmitter	Owner	Loop

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

2.4 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				

2.5 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)		

UNC Supplemental Agreement

Shared Test Posts		
Data Loggers		
Other Information:		
•		

2.6 Buildings, structures and enclosures

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

Specific Ownership	Asset	Owner	Location

2.7 Other Shared Arrangements

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

Asset	Owner	Location	Description of Shared Arrangement

UNC Supplemental Agreement

Section 3: Site Services:

The following services are provided by the Site Owner to the Site User:

Cathodic Protection	<p>Where any Site User assets are connected to a Site Owner's Cathodic Protection system or Transformer Rectifier, permission via the OAD process must be ascertained before repair/replacement or maintenance is undertaken.</p> <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"> 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 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.</p> <p>See Section 2.2 for asset ownership.</p>															
General Site Services	<ul style="list-style-type: none"> Drainage General Site Maintenance Security (See Section 1.1) 															
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;"><i>Line</i></th> <th style="background-color: yellow;"><i>Type</i></th> <th style="background-color: yellow;"><i>Owner</i></th> <th style="background-color: yellow;"><i>Comment</i></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>				<i>Line</i>	<i>Type</i>	<i>Owner</i>	<i>Comment</i>	xxxx – xxx xxxx				xxxx – xxx xxxx			
<i>Line</i>	<i>Type</i>	<i>Owner</i>	<i>Comment</i>													
xxxx – xxx xxxx																
xxxx – xxx xxxx																
Telemetry	<p>All Telemetry assets except the P1 Transmitter are owned by the Site Owner (See Section 2.3)</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 Section 2.4) The site user's ROV's are connected via the RTU and routers. This uses the site owners communication system for control. 															
Water and Welfare Arrangements																

UNC Supplemental Agreement

Section 4: 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	+/- x.x % of actual flow between x% and x% of maximum flow rate.	
		+/- x.x % of actual flow between x% and x% of maximum flow rate.	
Instantaneous Energy Flow Rate. Based on mean CV = xx.xx MJ/m ³ and pressure of xx Bar	Between 3 % and 100% of 66.5 TJ/day	+/- x.x % of actual flow between x% and x% of maximum flow rate.	
		+/- x.x % of actual flow between 10% and 30% of maximum flow rate.	
The offtake should not be operated below 10% of maximum flow rate except where there is no alternative route to deliver gas to the LDZ.			
Pressure and Temperature			
	Specified Range		
Offtake Inlet Gas Pressure	0 – 80 barg	+/- 0.4% of specified range	
Outlet Gas Temperature	-10 to 40 deg C	+/- 0.2% of specified range	
Gas Quality – CV Directed Offtake			
	Specified Range	Permitted Uncertainty Level	
CV	35 - 44 MJ/m ³	+/- 0.14 MJ/m ³	
Carbon Dioxide	0 – 5 mole %	+/- 0.2 mole %	
Nitrogen	0 - 10 mole %	+/- 0.2 mole %	
Relative Density	0.5 – 0.8	+/- 0.002	
Wobbe No.	45 - 54 MJ/m ³	+/- 0.19 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%		Tube A DIA = x mm Nominal Plate Bore DIA = xmm

UNC Supplemental Agreement

Section 5: 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

UNC Supplemental Agreement

Section 6: Document History:

Dated Version	Recorded Changes

Document End