



## National Transmission System Gas Application to Modify a Full Connection Offer Guide





## Welcome

Welcome to this guide on how to make a Gas NTS Connection Application to Modify a Full Connection Offer. We hope that the information provided will not only help ensure that the information that you provide expedites the processing of your application, but will provide you with guidance on the process that is required to be undertaken.

This Guide should be read and used in conjunction with the “Application to Modify a Full Connection Offer to the National Transmission System” which can be accessed using the link on this page.

On receipt of your application our Customer Services Team will provide written acknowledgement and commence the process of deeming it ‘Competent’. A Competent Application is one which has been correctly completed, contains all the required technical data and has had the Application Fee deposited as cleared funds with National Grid. An invoice for the appropriate Application Fee, as published in the Statement and Methodology for Gas Transmission Charges, will be raised and issued. The invoice has 30 day payment terms, please note that until National Grid receives cleared funds we will be unable to progress with your Offer.

**Your application is important to us, so as always a member of our Customer Services Team would be pleased to assist you in any part of this process. Please do not hesitate to contact us, you can find some initial contacts on our Connections Home Page.**

[See Link for Connections Home Page in Table 2 on Page 14](#)



## About this Document

This guide is designed to provide an explanation to applicants of the process of making a Connection Application to Modify a Full Connection Offer. The guide documents the key information that National Grid requires from an applicant in order to produce and issue a Modification to a Full Connection Offer.

Table 1 of this document provides applicants with a description of the minimum information required, the data elements, the associated parameters and the units that are acceptable in order that a Modification to a Full Connection Offer can be made by National Grid.

In some cases additional information may be required in order to successfully begin or complete a Modification to a Full Connection Offer and where this is the case the customer will be contacted at the earliest opportunity.

This statement is effective from [    ]

This document has been published by National Grid in support of the Statement and Methodology for Gas Transmission Connection Charging.

If you require further details about any of the information contained within this document you can contact us via email at:

[transmissionconnections@nationalgrid.com](mailto:transmissionconnections@nationalgrid.com)

Or by post to:

Gas Customer Manager  
Transmission Network Service  
National Grid plc  
National Grid House  
Warwick Technology Park  
Gallows Hill  
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## **1. Introduction**

In order for National Grid to provide an Offer for a Modification to an existing Full Connection Offer this includes Network Entry, Network Exit, and Storage the following criteria set out in section 2 – Process needs to be met.

For the purposes of the NTS Connection Offer process, an Applicant can only be a User as defined under the terms of the Uniform Network Code (UNC).

Submission by the Applicant and subsequent acceptance of the application form by National Grid NTS shall constitute formal admission into the NTS Connection Offer process.

## **2. Process**

### **2.1 Application Submission**

If an Applicant wishes Modify a Full Connection Offer, it shall complete and submit the relevant formal Application form, published on National Grid NTS' website.

[See Link for Application to Modify a Full Connection Offer in Table 2 on Page 14](#)

### **2.2 Competent Application**

A competent Application will be required fulfil the following criteria:

- An Application Form submitted which has been correctly completed.
- An Application Form submitted which is technically competent (includes all information that National Grid deem essential to make a formal Modification to a Full Connection Offer as set out in Table 1).
- An Application Fee as stated in the UNC Section Y, Gas Charging Statement must be deposited with National Grid as cleared funds.

### **2.3 Application Fees**

National Grid NTS shall establish, publish and review on an annual basis the types of NTS Connections and Application Fees payable by the Applicant for each Offer type.

[See Link for Application Fees in Table 2 on Page 14](#)

The Application Fee shall be set to cover National Grid NTS' costs of all necessary design studies and preparation of the draft Construction Agreement required in order to provide the Modification to a Full Connection Offer.

### **2.4 Notification of Acceptance and Clock Start**

Written notification of acceptance will be issued by National Grid NTS as soon as reasonably practicable from the date of receipt, subject to the application being a 'Competent Application' as per 2.3. This will trigger the 'Notification of Acceptance' which is the formal indication from National Grid to the Applicant that the process of creating a Modification to a Full Connection Offer has commenced.

### **2.5 Notification of Non Acceptance**

If the application is not accepted by National Grid NTS, a written notification of non-acceptance and reasons for non-acceptance shall be provided to the Applicant. This will be issued as soon as reasonably practicable and in any case no longer than 5 working days from the date of receipt.



### **2.6 Incomplete Information**

Where National Grid NTS considers that any information provided by the Applicant is incomplete or unclear, or further information is required, the Applicant will be requested to provide further information or clarification as soon as reasonably practicable and in any case no longer than 5 working days from the date of receipt.

### **2.7 Withdrawal of Application**

The Applicant may withdraw by written notification a Modification to a Full Connection Offer any time before the Offer is made.

If the Application Fee is for a Full Connection Offer the Application Fee is Variable and therefore a refund minus a deduction for actual costs reasonably incurred by National Grid NTS in preparing the Connection Offer up to that point.

## **3 Issue Offer**

The period from Clock Start to Issue Offer is dependent on the type of Offer to be made.

- Modification to a Full Connection Offer (FCO): Conceptual Design Study within 6 months
- Modification to a Full Connection Offer: Feasibility Study within 3 months & Conceptual Design Study within 6 months



## 4 Table 1 - Data Elements Explanation

Data Item	Data Type	Units	Applicable Connection	Mandatory	Explanation
				FCO	
<b>Section A - Details of Applicant(in respect of this application)</b>					
<b>1</b>	<b>Registered Company</b>				
Name	Free text	-	All	Yes	The name of the key contact in the applicant organisation who National Grid should contact regarding this application.
Address (of Registered Office in the case of a Company)	Free text	-	All	Yes	The address for correspondence that National Grid should use with reference to this application.
Company's House Name	Free text	-	All	Yes	This field is mandatory for UK registered companies.
Company's House Registered Number	Free text	-	All	Yes	This field is mandatory for UK registered companies.
Country of Incorporation (if not UK)	Free text	-	All	Yes	Details of the country where the applicant company has its registered office. This field is mandatory for all applicant companies who are not registered in the UK.
Parent Company Name (if applicable)	Free text	-	All	Yes	Name of the ultimate parent company.
Shipper Short Code (if applicable)	Six character ref.	-	All	Yes	To be completed if the applicant company is a registered shipper within the UK and has acceded to the Uniform Network Code. Developers will not have a Shipper Short Code so enter N/A.
<b>2</b>	<b>Commercial Contact/Agent to receive information</b>				
Name	Free text	-	All	Yes	The name of the key contact in the applicant organisation who National Grid should contact regarding this application.
Title	Free text	-	All	Yes	The Job title of the key contact in the applicant organisation who National Grid should contact regarding this application.
Address	Free text	-	All	Yes	The address of the Commercial Contact/Agent.



Data Item	Data Type	Units	Applicable Connection	Mandatory	Explanation
				FCO	
Email Address	email	-	All	Yes	The email address to be used with reference to this application by National Grid.
Telephone	Tel No.	-	All	Yes	The landline and / or mobile phone number National Grid should use with reference to this application.
Fax Number	Fax No.	-	All	Yes	The fax number National Grid should use with reference to this application.

Section B - The NTS Connection Site						
1	<b>Agreement Reference of original FCO</b>	Free Text	-	All	Yes	Provide the agreement reference of the original FCO to be modified.
2	<b>Identify (by Name) the NTS Connection</b>	Free Text	-	All	Yes	Name of the NTS Connection
3	<b>Rights for additional Land that is proposed to be acquired</b>	Free Text	-	All	Yes	Details of the rights in any <i>additional</i> land which you are proposing to acquire at the <b>NTS Connection Site</b> (to include leasehold and freehold interests and in the case of connection sites in Scotland, legal interests and heritable or leasehold interests including servitudes or other real rights) so as to Undertake the revised works.
	<b>Occupier of additional land</b>	Free Text	-	All	Yes	Where the revised works requires additional land for the <b>NTS Connection Site</b> to that land outlined in the original Full Connection Offer, who, insofar as you are aware, occupies that additional land?
4	<b>NTS Connection Site – available space</b>	Free Text	-	All	Yes	Is there available space for working storage and accommodation for contractors?





Data Item		Data Type	Units	Applicable Connection	Mandatory	Explanation
					FCO	
5	a) <b>NTS Connection Site –Physical nature of land</b>	Free Text Surveys and reports	-	All	Yes	a) Provide details (including copies of any surveys or reports) of the physical nature of land in which you have legal estate or interest including nature of the ground and the sub-soil. b) Known restrictions that may be imposed on National Grid as a consequence of working on the land. c) Provide indicative information of the storm water drainage, foul sewerage drainage and mains water piping systems to accept connections from the National Grid piping systems.
	Yes					
	Yes					
6	<b>Planning and Consents for Connection Site and Gas Facility</b>	Free Text	-	All	Yes	Give details and provide copies of all existing relevant planning and other consents (statutory or otherwise) held by you relating to the NTS Connection Site or the User Gas Facility and/or details of any pending applications for the same.



Data Item		Data Type	Units	Applicable Connection	Mandatory FCO	Explanation
<b>Section C – Technical Information</b>						
1	<b>Summary of proposed revised work to the original FCO</b>	N/A	All	Yes	Yes	Brief Summary of proposed revised work to the original FCO
2	<b>Full Details of proposed revised works and original and revised data values</b>	N/A	All	Yes	Yes	Provide Full Details of proposed revised works and original and revised data values to the previously submitted Application  Please see:  Appendix A: User Gas Facility Operational Parameters Appendix B: Average Gas Composition (mole%)  In either case please refer to: Appendix C NTS Connection – Standard Operational Parameters
<b>Section D Programme</b>		Bar Chart	-	All	Yes	Provide a suggested development and construction programme in bar chart form for the work necessary to install the <i>USER</i> development (not the <i>NTS</i> Connection Assets).
<b>Application to Modify a Full Connection Offer</b>		Signature	-	All	Yes	Signed declaration on behalf of the Applicant.



Data Item	Data Type	Units	Applicable Connection	Mandatory	Explanation
				FCO	
<b>Appendix A - User Gas Facility Operational Parameters – new NTS connection</b>					
<b>Exit/Storage (Injection)</b>					
<b>Peak Hourly Energy Flow</b>	Numeric	GWh/h	Exit/ Storage	Yes	Maximum energy flowing in any particular hour.
<b>Maximum required instantaneous offtake rate (from the NTS)</b>	Numeric	Scm/day	Exit/ Storage	Yes	The maximum peak volumetric flow rate at which gas is required to leave the NTS to supply the company's facility. A value is required for each of the first 8 gas years for which gas is required to be offtaken from the NTS. The rate to be expressed in standard cubic metres per day. A standard cubic metre is the amount of gas measured under International Standard Metric Conditions which for natural gas is 288.15 Kelvin (15°C) and 101.325 kPa (1 atmosphere).
<b>Maximum required Daily Offtake rate (from NTS)</b>	Numeric	Scm/day	Exit/ Storage	Yes	The maximum amount of gas taken from the NTS in any single day. The rate to be expressed in standard cubic metres per day. A value is required for each of the first 8 gas years for which gas is required to be offtaken from the NTS.
<b>Minimum required Offtake Pressure</b>	Numeric	Barg	Exit/ Storage	Yes	The minimum pressure desired at the offtake from the NTS expressed in barg. National Grid will undertake analysis of the NTS and will confirm whether or not the requested minimum pressure can be provided. A value is required for each of the first 8 gas years for which gas is required to be offtaken from the NTS. NB National Grid does not guarantee an offtake pressure in excess of 25 barg but will provide details of the Anticipated Normal Offtake Pressure (ANOP) for the connection. The ANOP is the minimum pressure that will normally be available at a connection point.



Data Item	Data Type	Units	Applicable Connection	Mandatory	Explanation
				FCO	
<b>Capacity (Commercial) Requirement</b>	Numeric	KWh/d	Exit/ Storage	Optional	An indication of anticipated capacity allocation for each year up to Y+8.
<b>Entry/Storage (Withdrawal)</b>					
<b>Peak Hourly Energy Flow</b>	Numeric	GWh/h	Entry/ Storage	Yes	Maximum energy flowing in any particular hour.
<b>Maximum required daily Instantaneous Delivery Rate (to the NTS)</b>	Numeric	Scm/day	Entry/ Storage	Yes	The maximum peak volumetric flow rate at which gas will be delivered to the NTS from the company's facility. The rate to be expressed in standard cubic metres per day. A value is required for each of the first 8 gas years for which gas is required to be delivered to the NTS.
<b>Maximum Required Daily Delivery Rate (to the NTS)</b>	Numeric	Scm/day	Entry/ Storage	Yes	The maximum amount of gas delivered to the NTS in any single day. The rate to be expressed in standard cubic metres per day. A value is required for each of the first 8 gas years for which gas is required to be delivered to the NTS.
<b>Maximum anticipated Delivery Pressure</b>	Numeric	Barg	Entry/ Storage	Yes	The maximum pressure which the facility expects to deliver gas to the NTS. National Grid will confirm whether the NTS is able to accept gas at this pressure.
<b>Capacity (Commercial) Requirement</b>	Numeric	KWh/d	Exit/ Storage	Optional	An indication of anticipated capacity allocation for each year up to Y+8.
<b>Storage Facility –additional items</b>					
<b>Cushion Gas Requirements e.g volumes to be injected (minimum/maximum)</b>	Numeric	Scm/day	Storage	Yes	The amount of gas required from the NTS to establish the storage facility. Cushion gas remains within the storage facility and is not available to be returned to the NTS under normal commercial operation. A value is required for each year that cushion gas is required.



Data Item	Data Type	Units	Applicable Connection	Mandatory	Explanation
				FCO	
<b>Total Maximum usable inventory (stock)</b>	Numeric	GScm/Bcf	Storage	Yes	The anticipated amount of storage capacity available in the storage facility.
<b>Other</b>					
<b>Calorific Value</b>	Numeric	MJ/m <sup>3</sup>	All	Yes	This is the Calorific value of the gas that has been used for the purposes of converting energy in to volume. NB. The calorific value of gas within the NTS normally falls within the range 36.9 MJ/m <sup>3</sup> to 42.3 MJ/m <sup>3</sup> .
<b>Own Use Gas requirement</b>	Compression. Pre heating, Power Generation	-	All	Yes	Details of any usage of gas within the facility other than the main purpose of the facility. i.e. gas compression, pre-heating on site power generation.
<b>Ramp Rates</b>	Numeric	MW/min	All	Yes	Enter the requested rate of change in the flow rates for gas being offtaken from the NTS, delivered to the NTS and under emergency conditions.
<b>Appendix B - Average Gas Composition (mole %)</b>	Yearly numeric figure	-	All	Yes	Enter Yearly numeric figure for 8 years for the following: N2, CO2, C1 (methane), C2 (ethane), C3 (propane), C4 (butane), C5 (pentane), C6 (hexane), C7 (heptane), C8+ (octane & higher hydrocarbons), H2S, Total Sulphur, Other.

<b>Appendix C - NTS Connection – Standard Operational Parameters</b>
Standardised data-items National Grid will provide within a Full Connection Offer.



## 5 Table 2 – Links to Relevant Documents

<b>1 Gas Connections Home Page</b>
<a href="http://www.nationalgrid.com/uk/Gas/Connections/National+Transmission+System+-+Gas+Connections/">http://www.nationalgrid.com/uk/Gas/Connections/National+Transmission+System+-+Gas+Connections/</a>
<b>2 Application to Modify a Full Connection Offer</b>
<a href="http://www.nationalgrid.com/NR/rdonlyres/B17F58EB-58F2-435E-BFA5-CDCF0BAC3317/56971/UNCApplication_ModOfferv20October_2012.doc">http://www.nationalgrid.com/NR/rdonlyres/B17F58EB-58F2-435E-BFA5-CDCF0BAC3317/56971/UNCApplication_ModOfferv20October_2012.doc</a>
<b>3 NTS Connections and Application Fees</b>
<a href="http://www.nationalgrid.com/NR/rdonlyres/D2FD2718-68B8-47CE-ABC5-9BDC1881DF33/54531/Gas_Charging_Statement_June_2012V20.pdf">http://www.nationalgrid.com/NR/rdonlyres/D2FD2718-68B8-47CE-ABC5-9BDC1881DF33/54531/Gas_Charging_Statement_June_2012V20.pdf</a>

## 6 Document Revision History

<b>Version/ Revision Number</b>	<b>Date of Issue</b>	<b>Notes</b>
V1.0	July 2012	Implementation of UNC Modification Proposal 0373 <i>"Governance of the NTS connections process"</i>
V2.0	October 2012	Update to Transmission Network Service Added Table 2 – Links to relevant Documents