

Workgroup 0595S - Amendment to the Arrangements between National Grid NTS and GNI at the Moffat IP to provide for Interruption of Virtual Reverse Flow



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EU Regulatory Compliance

- Sale of VRF capacity at Moffat complies with Capacity Allocation Mechanism (CAM) Article 21(1)
 - *“...at unidirectional interconnection points where technical capacity is offered only in one direction, transmission system operators shall offer a daily product for interruptible capacity in the other direction...”*
- VRF at Moffat was introduced in 2011
- CAM amendment (due to be implemented in April 2017) does not impact VRF

UNC Modification 0500

“EU Capacity Regulations...”

- The principle for releasing interruptible capacity for VRF continued unchanged under UNC Modification 0500
 - However provisions moved from Ancillary Agreement to UNC
- *Principles detailed in UNC EID B1.2 and B3.6.2*

Available Interruptible Capacity

- In line with existing UNC provisions.
 - Entry Release (as per UNC Section B 2.5.10):
 - Exit Release (as per UNC Section B 3.6.2):
- Reverse Flow
 - An amount equal to the forward flow technical capacity.

Moffat Entry Capacity in the NTS GT Licence

NTS GT licence

Date Change Made	Detail/Date Effective From	Version	Agreed by	Comments
Directed 21.01.11	Effective from 21.01.11 Modification to Special Condition C8D para 9 9(c)(iv) to ensure that interruptible reverse flow products can be offered at Moffat.	8.0	MH	

Special Condition 5F. Determination of Incremental Obligated Entry Capacity volumes and the appropriate revenue drivers to apply

Part F: Non-incremental Obligated Entry Capacity

5F.26 Non-incremental Obligated Entry Capacity shall be the sum of Licence Baseline Entry Capacity, as set out in paragraph 5F.27 adjusted for Entry Capacity Substitution and Legacy TO Entry Capacity from the date that the revenue entitlement in accordance with Part B of Special Condition 3A (Restriction of NTS System Operation Revenue) has ceased.

5F.27 Licence Baseline Entry Capacity is set out in Tables 4A and 4B. For Gas Days prior to 1 November 2015 (or such other date as the Authority may direct in writing), Table 4A shall apply. For Gas Days from 1 November 2015 (or such other date as the Authority may direct in writing), Table 4B shall apply.

Table 4A: Licence Baseline Entry Capacity

NTS Entry Point	Baseline capacity (in GWh/d)
Moffat	0

Table 4B: Licence Baseline Entry Capacity

NTS Entry Point	Type of Entry	Baseline capacity (in GWh/d)
Moffat	INTERCONNECTION POINT	0

GEMINI Name	Flow	Energy Identification Code	PRISMA Name	Gemini Category	EIC Display Name	EIC Name - Asset Name	Capacity Category	PRODUCT	Bundle Network Point name	TSO	Network Point ID	
MF Moffat	Entry	482MOFFAT-ENTRYQ	MoffatUKEx	ASEP Interconnector	MOFFAT-ENTRY-GB	Moffat Entry	INTERRUPTIBLE	D	NO BUNDLED POINT			
MOFFATINT	Exit	212000000000081T	MoffatUKEx	NTS Exit Point Interconnectors	MOFF-GB-IE	Moffat	FRIM INTERRUPTIBLE	Y Q M DW	UKExMoffatNIEen	PTL	PTL Moffat Entry (Moffat)	21X0000000013582
									UKExMoffatIEEn	GNI	MoffatIE	47X0000000000576 Moffat Entry

GB Arrangements for Entry at Moffat

- Day ahead interruptible entry capacity at Moffat sold via 'PRISMA' capacity booking platform
- GB (NTS) Entry Nominations matched with corresponding GNI exit nominations – Confirmed Nomination Quantity
 - Typically a Users daily allocation is equal to the sum of its Confirmed Nomination Quantities
- Separate assessments of exposure to exit and entry overrun costs (allocations vs capacity entitlements)
 - System Entry Overrun Charges
 - NTS Exit (Flat) Overrun Charges

GB Commodity Charging

■ UNC EID A1.3.3

“Where physical flow at an Interconnection Point is permitted in one direction only (the forward Direction):

- (f) for the avoidance of doubt Users will be liable for Commodity Charges in respect of the Interconnection Point (in respect of UDQIs or UDQOs as the case may be) in the reverse Direction”.

Instances Where GNI or NG NTS nationalgrid May Adjust Nominations (for GB/RoI flows)

Scenario	Current Arrangments	Proposed Arrangements
Normal Operating Conditions - GNI Interruption of Virtual Reverse Flow	(No current provision)	Yes - by GNI
Exceptional Event (NG) i.e. 'Transportation Constraint'	Yes - by NG NTS	Yes - by NG NTS
Exceptional Event (GNI)	Yes - by GNI	Yes - by GNI
Exceptional Event (NG and GNI)	Yes - by NG NTS and GNI	Yes - by NG NTS and GNI
Gas Deficit Emergency (NG)	Yes - by NG NTS and GNI	Yes - by NG NTS and GNI

> changes proposed

Nominations Matching Rule

Scenario	Current Matching Rule	Proposed Matching Rule
Normal Operating Conditions	Lesser Rule' i.e. lower Processed Nomination Quantity prevails	Lesser Rule' i.e. lower Processed Nomination Quantity prevails
Normal Operating Conditions - GNI Interruption of Virtual Reverse Flow	(No current provision)	GNI Processed Nomination Quantity prevails
Exceptional Event (NG) i.e. 'Transportation Constraint'	NG Processed Nomination Quantity prevails	NG Processed Nomination Quantity prevails
Exceptional Event (GNI)	GNI Processed Nomination Quantity prevails	GNI Processed Nomination Quantity prevails
Exceptional Event (NG and GNI)	Lesser Rule' i.e. lower Processed Nomination Quantity prevails	Lesser Rule' i.e. lower Processed Nomination Quantity prevails
Gas Deficit Emergency (NG)	GNI Processed Nomination Quantity prevails subject to NG specified aggregate maximum offtake volume	GNI Processed Nomination Quantity prevails subject to NG specified aggregate maximum offtake volume

> changes proposed