

0560:

Addressing under-allocation of flows from BBL arising from misalignment of reference conditions

- 01 Modification
- 02 Workgroup Report
- 03 Draft Modification Report
- 04 Final Modification Report

This modification seeks to enable a manual correction of energy balancing invoices for Users who will be under-allocated as a result of misalignment of reference conditions between BBL and the NTS, until the Modification 519 IT solution is in place.



The Proposer recommends that this modification should be

- Granted 'Urgent' Status



High Impact: Material under-allocation of gas flows for BBL Users



Medium Impact: -



Low Impact: -

Contents		 Any questions?
1 Summary	3	Contact: Code Administrator
2 Why Change?	4	 enquiries@gasgovernance.co.uk
3 Solution	8	
4 Relevant Objectives	9	
5 Implementation	10	 0121 288 2107
6 Impacts	11	Proposer: GasTerra
7 Legal Text	12	 sue@tpasolutions.co.uk and/or Arco.Hofman@gastera.nl
8 Recommendation	12	 Sue Ellwood: 01564 784725
About this document:		Transporter: National Grid NTS
This modification will be presented by the Proposer to the Panel on 15 October 2015		 philip.hobbins@nationalgrid.com
The Panel will consider the Proposer's recommendation and agree whether this modification should be:		 01926 6513432
<ul style="list-style-type: none"> treated as an Urgent Modification 		Systems Provider: Xoserve
The Proposer recommends the following timetable:		 commercial.enquiries@xoserve.com
Initial discussion at Workgroup	was 01 October 2015	
Request for Urgent Status	14 October 2015	
Mod Panel Meeting (Recommendation on Urgency)	15 October 2015	
Ofgem decision on Urgency (by)	22 October 2015	
Workgroup meeting	05 November 2015	
Refine text in line with workgroup discussion	05 -10 November 2015	
Modification issued for consultation (including suggested text)	10 November 2015	
Final Date for Responses	17 November 2015	
Final Mod Report published	18 November 2015	
UNC Modification Panel Recommendation	19 November 2015	
Ofgem Decision (by)	27 November 2015	

1 Summary

Is this a Self-Governance Modification?

It is not proposed that this should be a self-governance modification, since it is likely to have a material effect on competition in the shipping, transportation or supply of gas conveyed through pipes or any commercial activities connected with the shipping, transportation or supply of gas conveyed through pipes.

Is this a Fast Track Self-Governance Modification?

No, since it is not proposed as a self-governance modification, nor is it properly a housekeeping modification as result of some error or factual change.

Why Change?

From 1st October 2015, there will be a misalignment of reference conditions between BBL and the NTS. BBL is implementing 0/25 reference conditions as part of its implementation of EU-required changes to the nominations process at the Interconnection Point (IP), whereas National Grid NTS is not implementing this requirement until 1st April 2016¹. As a result, NTS Users allocations at the BBL IP will be under-allocated. This will expose Users shipping gas through the BBL IP ('BBL Users') to an imbalance position, until such time as National Grid NTS implements the systems solution for Modification 0519 – Harmonisation of Reference Conditions at Interconnection Points.

Solution

It is proposed that there should be a correction for BBL Users to reflect the value of the under-allocation. This would be accomplished by a (monthly) correction to the BBL Users' daily imbalance charges, carried out at the time of invoicing for energy balancing charges.

The modification would be an addition to the text of the transitional arrangements for the implementation of the European Interconnection Document (EID), which is appropriate for a one-off step associated with the transition.

Urgent Status

This is proposed as an Urgent Modification (for progressing on a contracted timescale). By addressing this on an 'urgent' basis, this will minimise the period for which the solution has retrospective effect. It would also allow the implementation of the solution to proceed with the first energy balancing invoice (issued in early December 2016) for the month of October 2015. (Please see further discussion below on the justification for this approach).

¹ Modification 0562 proposes to amend this date to 1st May 2016

Relevant Objectives

The modification would support relevant objective g) (compliance with the Regulation etc.), by enabling full compliance with the objective of the Balancing Network Code, to enable network users to have certainty that they can trade across balancing zones in an economically efficient and non-discriminatory manner.

The modification would support relevant objective d) (effective competition) because it would:

- address an issue that otherwise would put a certain group of Users at a competitive disadvantage; and
- provide comfort to small and new/prospective Users that unintended, unreasonable and unforeseen outcomes of the introduction of new arrangements may be corrected.

Implementation

No specific date for implementation is proposed. However it would be beneficial if this modification could be implemented prior to [1st December 2015] to enable National Grid NTS and Xoserve to prepare the manual process steps, such that the solution can take effect from the first invoice for October 2015, i.e. during December 2015.

Does this modification impact a Significant Code Review (SCR) or other significant industry change projects, if so, how?

This modification will not have any impact on an SCR or any other industry change projects.

2 Why Change?

Background

The EU Interoperability Code requires harmonisation of reference temperature conditions at 0/25 (0° for volume/25° for CV) at Interconnection Points, whereas the commercial operation of the NTS is carried out using 15/15 (15° for volume/15° for CV) reference conditions.

National Grid NTS raised Modification 0519 to address this requirement, and it has now been implemented. Modification 0519 ring fences the implementation of 0/25 conditions on the NTS to Bacton EU IP, and will only take effect with effect from 1st April 2016², when National Grid NTS is due to deliver a systems solution.

BBL is operating 0/25 conditions as part of its systems package for EU-compliant nominations processing and matching (to deal with both Julianadorp and Bacton) with effect from 1st October 2015.

As a result, there will be a misalignment of reference conditions for gas flows entering the NTS via BBL until the Modification 0519 solution is implemented.

² Modification 0562 proposes to amend this date to 1st May 2016

Impacts of the Misalignment

A quantity of energy expressed at 15/15 conditions is marginally greater than at 0/25 conditions (with a ratio of c. 1:0.9990).

As a result of the implementation of nominations matching at the BBL IP, nominations for a quantity of gas on the NTS side will be reduced to match the BBL nomination (the BBL-side nomination prevails in order for BBL to align nominations with those at Julianadorp).

Users will be allocated (at BBL NTS Entry and Exit) as per their prevailing confirmed quantity (their final confirmed nominations i.e. as matched by BBL at 0/25) because of the 'allocate as nominate' rules which are to be applied.

The Modification 0519 solution will apply a 'balancing allocation' to correct BBL Users' allocations under the UNC, such that the full quantity (under 15/15 conditions) of the gas is reflected in their NTS allocations for the purposes of NTS imbalance charges.

In the absence of the Modification 0519 solution, the quantities in Users' BBL NTS allocations will be under-allocated (by 0.1%).

BBL Users have assessed the materiality of the under-allocation, using last year's BBL flows from October '14 to April '15, (data from National Grid's website) and day-ahead prices from Heren, and it equates to [£700,160] for deliveries into the NTS from BBL *[and [x = smaller] for virtual reverse flows – awaiting data from NG which should be available for workgroup]*.

The under-allocation means that each User at the BBL IP will have an imbalance position arising as a result, as a direct consequence of the misalignment of reference conditions, and it is not appropriate that these additional costs/losses should be borne by those Users.

Justification for Retrospectivity

This modification is seeking the application of a correction which would be calculated for each gas day in the period starting from 1st October 2015 until the date of implementation of the modification 519 solution. In this way, the modification contains an element which would have retrospective effect, in the sense that the correction calculations would look back to dates falling before the approval/implementation of this modification (i.e. before the 'correction rules' are confirmed).

In the proposers view, the period of 'retrospectivity' of this modification proposal is thus from 1st October 2015 until the date of implementation (if approved) of this modification proposal.

With reference to the criteria for retrospectivity, contained in Ofgem's Guidance on Code Modification Urgency Criteria, the proposer believes retrospective application is justified in this case because:

1. This modification is essentially a temporary 'manual workaround' for the modification 0519 solution and accordingly, follows the same principles: i.e. applying an adjustment to affected Users' allocations in order to correct their imbalance position, for the purposes of energy balancing invoices only. No further adjustments to any charges are proposed, such that the issue is 'ringfenced' to relevant IPs and no other charges are affected. These principles have already been agreed/implemented by Industry/Ofgem.
2. The modification is being made as a result of a situation where the fault/error giving rise to additional costs/losses is directly attributable to central arrangements. In this case the proposer's view is that the functionality of Gemini and, in the context of the BBL IP, the arrangements concerning reference conditions, nominations matching and allocations, constitute 'central

arrangements'. It is the unfortunate lack of alignment between BBL and National Grid NTS's implementation timescales for solutions to the change in reference conditions which has led to this situation.

3. The lack of alignment between BBL and National Grid NTS's implementation timescales for solutions to the change in reference conditions was not foreseen, and was only brought to the attention of Industry and Ofgem late in the summer, after the approval of modification 519, and in a period where the Industry was going through an extremely busy period of intensive preparation for the new Balancing and Interoperability arrangements commencing 1st October 2015 and the CAM arrangements commencing 1st November 2015.
4. The possibility of retrospective action was clearly flagged in advance:
 - a. National Grid identified the issue and stated that it would work with affected parties to develop a solution
 - b. Users raised the issue as needing to be addressed in the subsequent workgroup meeting, and
 - c. the proposer made it clear that retrospective action was intended by raising the modification in advance of 1st October 2015.

Justification for Urgency/Contracted Timescales

With reference to the criteria for urgency, contained in Ofgem's Guidance on Code Modification Urgency Criteria, the proposer believes it is appropriate that this modification should be considered on a 'shorter-than-normal' timescale, because the issue is a current issue which, if not urgently addressed, will lead to a significant commercial impact for BBL Users.

The proposer believes that it is appropriate that this modification should be considered on an 'urgent'/contracted timescales basis, because it contains a retrospective element. By using a contracted timescale, the period for which this modification is retrospective (i.e. between the issue arising and the rules for a solution being confirmed) will be minimised.

In addition, the use of urgent procedures should enable the solution to be implemented at the first run of energy balancing invoices for October 2015 (in December 2015) minimising any operational impact for National Grid, aligning the correction with normal invoicing, and thereby removing any month-to-month or year-end impact on Users' cashflow.

If the principle of a retrospective correction was otherwise agreed, but a longer timescale for consideration of the modification was taken, this would mean that the adjustments would need to be made later, relative to the gas day to which they relate, and potentially as a one-off adjustment instead of a monthly process. The proposer believes that it is preferable to facilitate correction as close as possible to the relevant gas day, and urgency would help achieve this.

It would also avoid the risk that an implementation of this modification under normal timescales (which would be no earlier than February 2016) could be considered to potentially change the character of past transactions (and hence be unacceptable against the general principle of retrospectivity).

Balance between Urgency and Retrospectivity

Ofgem's guidance on urgency suggests that retrospective application may negate the need for urgent procedures in some circumstances, or vice versa.

With this modification, whilst it is the case that:

- the possibility of retrospective action has been flagged in advance;
- the solution proposed is in line with principles agreed with modification 519;
- given this, perhaps the case for urgency could be considered to be reduced,

it is also the case that:

- the raising of this modification in itself creates uncertainty for Users as to whether there will be any correction, and it is this uncertainty which the proposer assumes is particularly undesirable in relation to retrospective changes to rules, so it would be best to minimise this period; and
- the use of urgent procedures will facilitate the application of the solution from the first relevant energy balancing invoice, enabling the correction to be made on normal invoicing timescales, i.e. as soon as possible after the gas day to which it relates.

The proposer considers that the need to minimise periods of industry uncertainty is primarily why Ofgem's criteria on retrospectivity appear in the Guidance on urgent modifications, rather than as general guidance on raising modifications, and that it is likely to be the case that most modifications containing retrospective elements would also be urgent modifications, so as to minimise any period of uncertainty/retrospectivity.

Furthermore, the proposer does not believe that it would be appropriate in this case to raise a modification on an urgent basis, but without a retrospective element, since the financial harm for affected Users is material, is triggered by a transitional misalignment at the start of new arrangements, and is not being caused by any fault of the Users. The proposer believes the criteria for retrospective action are met in this case. It is therefore appropriate, as a point of principle, that the correction should be calculated for each gas day from the start of the new arrangements to provide complete compensation for affected Users.

In addition, it should be noted that the main reason for retrospectivity is that there was not sufficient time prior to the start of the new arrangements (during an exceptionally busy period for the Industry) from the point at which the issue was identified and quantified, for Industry to assess the impacts, discuss and agree amongst the affected parties how to approach it, raise a modification and for it to be implemented.

The main purpose of urgency is to minimise the period of uncertainty/retrospectivity, and to enable a solution to be effective from the time of the first relevant energy balancing invoice but in the proposer's view, urgency does not replace the need for/appropriateness of retrospectivity, when assessed against Ofgem's criteria.

3 Solution

Proposed Solution

It is proposed that this solution should apply during the period from 1st October 2015 until the date of implementation of the systems solution for Modification 0519 ('the transitional period').

It is proposed that National Grid NTS should, when producing energy balancing invoices each month, calculate the under-allocation for all NTS Users that have an allocation of gas in respect of BBL IP (using the same conversion factor as specified in Modification 0519) and use existing processes to make adjustments/corrections to BBL Users' imbalance charges and to energy balancing neutrality as further set out below.

National Grid NTS should:

- following the end of each month, calculate what the BBL allocations for each relevant User would have been, had they been made at 15/15, for each day in the month ('adjusted allocations')
 - i.e. the Nominated Quantity in their final prevailing Confirmed Nominations at the end of the gas day, multiplied by the conversion factor used in modification 519, $F = (1 / 0.9990)$;
- calculate the corrected value of such Users' UDQIs and UDQOs in respect of the BBL IP using the adjusted allocations, and determine such Users applicable imbalance charges (across the whole of the NTS); and
- perform energy balancing invoice [adjustments][corrections] in accordance with section S [1.8 and 1.10 tbc] i.e.:
 - adjusting/correcting imbalance charges for relevant Users, such that they reflect the adjusted allocations determined above;
 - making corresponding adjustments to energy balancing neutrality charges, using the existing processes for energy balancing invoice adjustments, such that the [Unit Daily Neutrality Amount for all Shippers is correct, based on adjusted allocations] [or] [such that the correction is included as part of the Monthly Adjustment Neutrality Cost/Revenue] [*specific charge items impacted tbc by Xoserve*].

To further clarify, modification 0519 provides a systems solution which will automatically apply a 'balancing allocation' to each relevant Users' imbalance account after each day, and this balancing allocation will then automatically feed in to the calculation of imbalance charges and neutrality.

This modification is identical in terms of financial effect to modification 0519 for all parties, but instead of the balancing allocation being visible to BBL Users in Gemini after each day, the adjustment to imbalance charges and neutrality will be made at the invoicing stage (at M+2).

In line with the principles of modification 0519, no changes to any of a Users' other charges will be made as a result of this modification, as the effect of the Europe Reference Conditions is to be 'ringfenced' to the IPs.

Modification to the Transition Document

It is proposed that this solution should be contained in the Transition Document Part VA, as an addition to paragraph 2, which relates to the implementation date of the Modification 0519 solution for reference conditions. This would enable this manual correction to be performed over a specific period only, which is appropriate in this period of transition to the new reference conditions regime.

User Pays	
Classification of the modification as User Pays, or not, and the justification for such classification.	No User Pays service would be created or amended by implementation of this modification and it is not, therefore, classified as a User Pays Modification.
Identification of Users of the service, the proposed split of the recovery between Gas Transporters and Users for User Pays costs and the justification for such view.	<i>Not applicable</i>
Proposed charge(s) for application of User Pays charges to Users.	<i>Not applicable</i>
Proposed charge for inclusion in the Agency Charging Statement (ACS) – to be completed upon receipt of a cost estimate from Xoserve.	<i>Not applicable</i>

4 Relevant Objectives

Impact of the modification on the Relevant Objectives:	
Relevant Objective	Identified impact
a) Efficient and economic operation of the pipe-line system.	TBC
b) Coordinated, efficient and economic operation of (i) the combined pipe-line system, and/ or (ii) the pipe-line system of one or more other relevant gas transporters.	TBC
c) Efficient discharge of the licensee's obligations.	TBC
d) Securing of effective competition: (i) between relevant Users; (ii) between relevant suppliers; and/or (iii) between DN operators (who have entered into transportation arrangements with other relevant gas transporters) and relevant Users.	Positive
e) Provision of reasonable economic incentives for relevant suppliers to secure that the domestic customer supply security standards... are satisfied as respects the availability of gas to their domestic customers.	None
f) Promotion of efficiency in the implementation and administration of the Code.	None
g) Compliance with the Regulation and any relevant legally binding decisions of the European Commission and/or the Agency for the Co-operation of Energy Regulators.	Positive

Relevant Objective g) (compliance with the Regulation etc):

This modification will support relevant objective g) because it supports compliance with a key objective of the Balancing Network Code (EU312/2014), Recital 2 which states that:

“In order to move towards greater market integration, it is important that rules on gas balancing of transmission networks facilitate gas trading across balancing zones thus contributing towards the development of market liquidity. This Regulation therefore sets out harmonised Union-wide rules on balancing that have the objective to give network users the certainty that they can manage their balance positions in different balancing zones throughout the Union in an economically efficient and non-discriminatory manner.”

If Users at one Interconnection Point face a loss of value of their gas through a simple administrative misalignment of reference conditions, this would not constitute having ‘the certainty that they can manage their balance positions...in an economically efficient and non-discriminatory manner’. Affected Users would be both losing money and being discriminated against, and so this objective of the Balancing Code would not be being complied with.

Relevant Objective d) (effective competition):

The modification would support relevant objective d) because it would address an issue that otherwise would put a certain group of Users at a competitive disadvantage. Without this modification, Users flowing gas through the BBL IP will have imbalance charges arising as a result of an administrative misalignment between National Grid NTS and BBL. With this modification, the issue will be fully corrected, with no further impacts. Furthermore, the solution proposed is essentially a manual ‘workaround’ for a solution, the principles of which have already been agreed and implemented by Ofgem in modification 0519.

In its decision on Modification to the BSC P37, in the electricity industry, which sought retrospective correction of energy notification errors following the introduction of significant industry process changes in the form of NETA in 2002, Ofgem concluded (paragraph 45) that the use of retrospective correction should be allowed in certain limited circumstances, and where this is appropriate, it provides comfort to existing and prospective market participants (that unintended, unreasonable and unforeseen outcomes of the introduction of new arrangements may be corrected), and this thereby promotes effective competition. In the proposer’s view, implementation of this modification 560 would provide such comfort to existing and prospective Users in this case, which is similarly driven by the introduction of new industry arrangements, and hence would support relevant objective d) by promoting effective competition.

5 Implementation

The proposer believes that the implementation costs should be minimal, as it would require manual re-calculation of a relatively small number of Users’ imbalance charges and uses existing energy balancing invoice adjustment/correction processes to complete the production of invoices, for a transitional period only.

Therefore there will be no requirement for new/permanent systems, and as such, the proposer believes that there should be no formal implementation costs associated with this modification.

No specific date for implementation is proposed. However it would be beneficial if this modification could be implemented prior to [1st December 2015] to enable National Grid NTS and Xoserve to prepare the manual process steps, such that the solution can take effect from the first relevant energy balancing invoice (being for the month of October 2015, to be issued in early December 2015).

6 Impacts

Does this modification impact a Significant Code Review (SCR) or other significant industry change projects, if so, how?

This modification will not impact any SCR or any other significant industry change projects.

Does the solution impact other (non-BBL) Users?

The solution involves a correction of daily imbalance charges for BBL Users, and correspondingly an adjustment of energy balancing neutrality charges to ensure that the correct amount goes into the 'smear'.

The correction in this modification proposal produces the same financial effect that will be performed by the IT solution for modification 519, except that in the case of the modification 519, BBL Users will be shown the additional quantity of gas as a separate line item in their imbalance positions after the day in Gemini, and this will automatically feed into imbalance charges and neutrality.

In the absence of the automated solution, under this modification proposal, BBL Users will not see the additional allocation in Gemini, but the financial discrepancy arising will be corrected in their energy balancing invoices.

The impact on other Users is the same as for modification 0519 – whereby the energy balancing neutrality charge will reflect the value of the 'balancing allocation' adjustments for BBL Users.

Does the solution impact any other charges?

In the same way as modification 0519, the modification does not involve recalculation of any other charges other than imbalance charges and energy balancing neutrality.

Does the solution impact Shrinkage?

National Grid NTS has previously identified that if a User were to seek to mitigate its imbalance risk arising from the misalignment of reference conditions, for example by procuring an additional quantity of gas on the day equal to its expected under-allocation on its deliveries to the NTS, then this would be expected to have the effect of tending to reduce the quantity of shrinkage purchased. This is because physically correcting for the commercial under-allocation would lead to a corresponding physical over-delivery which would feed into linepack, hence reducing the quantity of shrinkage needed³. This effect would be in the direction of reducing SO commodity charges.

However the quantities of under-allocation (0.1% of BBL flows) are marginal when considered against the much larger routine influences on the shrinkage account. National Grid NTS has undertaken further analysis in light of this modification proposal, and confirmed that any such physical over-delivery would not be expected to be sufficiently material to cause a change in SO Commodity charges. Furthermore, any correction via the shrinkage account would need to take into account the costs of shrinkage

³ This example is for the forward flow direction into the NTS. The opposite is true for reverse flows, but reverse flows are generally much smaller than forward flows, so this discussion focuses on the aggregate effect.

procurement which vary over time (using a mix of prompt and forward purchasing) and are therefore not likely to correspond directly to the value of the costs/losses to Shippers on the day.

It is also not practical or realistic to expect BBL Users to address the imbalance themselves, given the small daily quantities concerned. The material financial impact for BBL Users is cumulative.

The solution proposed in this modification instead seeks (in line with the principles of modification 0519) to correct for the value loss to Shippers as it is directly experienced, through imbalance charges. As a consequence, the anticipated (minimal) impact on Shrinkage of the misalignment is not expected to materialise.

7 Legal Text

Text Commentary

To be provided in advance of the workgroup meeting

Text

To be provided in advance of the workgroup meeting

8 Recommendation

The Proposer invites the Panel to:

- Determine that this modification should be considered on an urgent basis in accordance with the proposed timetable on page 2.