

**UNC Workgroup 0693R Minutes
Treatment of kWh error arising from statutory volume-energy
conversion**

Monday 23 September 2019

at Radcliffe House, Blenheim Court, Warwick Road, Solihull B91 2AA

Attendees

Rebecca Hailes (Chair)	(RH)	Joint Office
Helen Cuin (Secretary)	(HCu)	Joint Office
Alan Raper	(AR)	Joint Office
Alexander Mann*	(AM)	Gazprom
Andy Clasper	(AC)	Cadent
Carl Whitehouse*	(CW)	Shell
David Mitchell*	(DM)	SGN
Guv Dosanjh	(GD)	Cadent
Leanne Jackson	(LJ)	Xoserve
Lorraine O'Shaughnessy	(LOS)	Joint Office
Lorna Lewin*	(LL)	Orsted (<i>joined at 1pm</i>)
Louise Hellyer	(LH)	Total Gas & Power
Maitrayee Bhowmick-Jewkes	(MBJ)	Joint Office
Mark Bellman	(MB)	Scottish Power
Mark Jones	(MJ)	SSE
Mark Palmer*	(MP)	Orsted
Megan Coventry*	(MC)	SSE
Phil Lucas*	(PL)	National Grid
Rhys Kealley	(RK)	British Gas
Rob Johnson*	(RJ)	Waters Wye Associates
Stephanie Clements	(SC)	Scottish Power
Steven Britton*	(SB)	Cornwall Insight
Tracey Saunders*	(TS)	Northern Gas Networks

**via teleconference*

Copies of all papers are available at: <http://www.gasgovernance.co.uk/0693/230919>

The Workgroup Report is due to be presented at the UNC Modification Panel by 19 December 2019.

1. Introduction and Status Review

The meeting was confirmed to be quorate.

1.1. Approval of Minutes (20 August 2019)

The minutes from the previous meeting were approved.

2. Consideration of Amended Request

MB provided an update on the status of the Request. He also provided an update on discussions at the AUG subcommittee where the suggestion had been made that since UIG is calculated by LDZ, the AUG factors should be calculated by LDZ too – this will require a modification to implement. MB explained further regarding the Statutory volume conversion to

energy (in kWh), and that if the average value is not representative or it is wrong, it will be contributing to Unidentified Gas (UIG).

MB confirmed that the Allocation of Unidentified Gas Expert (AUGE) had committed to writing to all parties to ascertain if they have data on the temperature of gas within in a meter, to help consider how to calculate any error. This had been taken as an action at the AUG Subcommittee. It was recognised there would be many potential factors which would affect the temperature of the gas in a meter for example if the meter is inside, outside, in the shade or in the sun. MB confirmed he will track how this is going and once there is some better evidence this can be progressed.

MB requested that an action is taken at this Workgroup for Xoserve to provide an update on the meter temperature action from the AUG Subcommittee.

Action 0901: Xoserve to provide update on the meter temperature data exercise from the AUG Subcommittee.

RH enquired if the Distribution Networks (DNs) had any information. MB believed that the word 'corrections' maybe misleading, he clarified he was not looking for data corrections, but hoped to build information on the data used with the conversion factors to see how close these are to the standard correction factor in different weather conditions.

He wished to look at the data at a number of offtakes, to understand the temperature of the gas and to understand if there is a variation, which may indicate this is worth looking at further. AR suggested that gas volume correctors may have the capability to record the measured temperatures, but that they may not necessarily be configured to do so, nor to store this data. It was also confirmed that some smart meters have the capability however it has to be commissioned.

MB asked if any parties could obtain this information and which parties such as the MAMs would be able to provide this. The Workgroup considered the best way to obtain the information and if the I&C Shippers and Suppliers (ICoSS) Group could assist.

It was suggested that MB should approach colleagues at Waterswye and explain what information is trying to be obtained. It was agreed that MB would liaise with RJ and G Evans.

MB also agreed to draft a communication for the Joint Office to circulate to Shippers and DN's, to see if there is any industry data available at smart meters and offtake meters.

The Workgroup considered if the temperature of gas travelling through the network is likely to change significantly when most of the time the gas will be in underground pipes where the temperature would be fairly consistent due to the depth of pipes. The speed at which gas travels was also considered. It was suggested the speed at which gas goes through a meter from underground pipes would not alter the temperature that much.

MB challenged this view as he believed consideration needs to be given to the temperature of gas as it also enters the Network. He suggested all three elements need to be taken into account: The temperature of gas entering the system, the underground temperature of the gas and the gas temperature at the meter.

The magnitude of any variation in these three figures would indicate the magnitude of the likely effect.

RH enquired if National Grid Operations would have any data. PL confirmed he would make some enquiries if any gas temperature data and gas pressure data for gas entering the Network through Offtake Meters is available.

RH also confirmed that she would write to IGEM and HSL, using the draft text which MB would send to the Joint Office to see if they have any information.

AR believed there may be an available IGEM Paper (circa 2004) which MB may wish to consider. This was a separate report to the Dave Lander report.

Action 0902: Shippers/Transporters to investigate and provide any gas temperature data available for the 0693 Request Workgroup to consider.

Further discussion was deferred until consideration can be given on available temperature data.

3. Review of Outstanding Actions

0801: All DNs to investigate what data is available over 12 months; metered volume and corrected energy for all offtakes in relation to that LDZ including the CV for that offtake – (easier to choose an LDZ that has no LDZ-LDZ connections.

Update: See item 2.0. **Carried Forward.**

0802: ScottishPower (MB) to engage with Ofgem Jon Dixon (JD) regarding the legality of a sharing type treatment in relation to the Gas (Thermal Energy) Regulations.

Update: MB confirmed that Ofgem had committed to providing a view. JD had provided a provisional view on the principal, however a legal view is being sought. **Carried Forward.**

0803: Joint Office (RH) to engage with Ofgem Jon Dixon (JD) in relation to the content and context of the Request.

Update: See Action 0802. **Carried Forward.**

0804: Joint Office (RH) to engage with Dave Lander at Dave Lander Consulting in relation to previous paper he had produced on gas energy measurement.

Update: RH confirmed a copy of the Dave Lander Report had been published and she would contact D Lander. **Carried Forward.**

4. Consideration of methods of evaluating the scale of the potential error

See item 2.0, no further discussions held.

5. Consideration of data received relating to the scale of the error

See item 2.0, no further discussions held.

6. Discussion of potential solution ideas for treating the error in settlement

Deferred.

7. Review of Relevant Objectives

Deferred.

8. Consideration of Wider Industry Impacts

Deferred.

9. Development of Request Workgroup Report

Deferred.

10. Next Steps

RH outlined the next steps as follows:

- Request for Information Update
- Consideration of Potential Solution
- Development of Request Workgroup Report

11. Any Other Business

None.

12. Diary Planning

Further details of planned meetings are available at: <https://www.gasgovernance.co.uk/events-calendar/month>

Workgroup meetings will take place as follows:

Time / Date	Venue	Workgroup Programme
10:30 Tuesday 22 October 2019	Radcliffe House, Blenheim Court, Warwick Road, Solihull B91 2AA	Request for Information Update Consideration of Potential Solution Development of Request Workgroup Report
10:30 Tuesday 26 November 2019	Radcliffe House, Blenheim Court, Warwick Road, Solihull B91 2AA	Review Request Workgroup Report
10:30 Thursday 12 December 2019	Radcliffe House, Blenheim Court, Warwick Road, Solihull B91 2AA	Finalise Request Workgroup Report

Action Table (as at 23 September 2019)

Action Ref	Meeting Date	Minute Ref	Action	Owner	Status Update
0801	20/0819	1.0	All DNs to investigate what data is available over 12 months; metered volume and corrected energy for all offtakes in relation to that LDZ including the CV for that offtake – (easier to choose an LDZ that has no LDZ-LDZ connections.	ALL DNs	Carried Forward
0802	20/0819	1.0	ScottishPower (MB) to engage with Ofgem Jon Dixon (JD) regarding the legality of a sharing type treatment in relation to the Gas (Thermal Energy) Regulations.	ScottishPower (MB)	Carried Forward
0803	20/0819	1.0	Joint Office (RH) to engage with Ofgem Jon Dixon (JD) in relation to the content and context of the Request.	Joint Office (RH)	Carried Forward
0804	20/08/19	1.0	Joint Office (RH) to engage with Dave Lander at Dave Lander Consulting in relation to previous paper he had produced on thermal energy.	Joint Office (RH)	Carried Forward

Action Table (as at 23 September 2019)

Action Ref	Meeting Date	Minute Ref	Action	Owner	Status Update
0901	23/09/19	2.0	Xoserve to provide update on the meter temperature data exercise from the AUG Subcommittee.	Xoserve (Fiona Cottam)	Pending
0902	23/09/19	2.0	Shippers/Transporters to investigate and provide any gas temperature data available for the 0693 Request Workgroup to consider.	Shippers/Transporters	Pending