

UNC Offtake Arrangements Workgroup Minutes

Wednesday 01 September 2021

Via Teleconference

Attendees

Alan Raper (Chair)	(AR)	Joint Office
Karen Visgarda (Secretary)	(KV)	Joint Office
Ben Oldham	(BO)	Cadent
Christopher Syrett	(CS)	E.ON
Fiona Cottam	(FC)	Correla
Guv Dosanjh	(GD)	Cadent
Kirsty Dudley	(KD)	E.ON
Mark Jones	(MJ)	SSE
Rachel Martin	(RM)	Correla
Shiv Singh	(SS)	Cadent
Simon Howard	(SH)	Cadent

Copies of all papers are available at: <https://www.gasgovernance.co.uk/OA/010921>

1. Introduction and Status Review

Alan Raper (AR) welcomed all to the Workgroup.

1.1. Approval of Minutes (04 August 2021)

The minutes from the previous meeting were approved.

1.2. Approval of Late Papers

AR noted there had been no late papers.

1.3. Review of Outstanding Actions

0703: Cadent (BO) to prepare a draft implementation plan including consideration of how best to disseminate the 'lessons learnt' from Cadent's review of the ME/2 process and EM009 in particular, across all Transporters (PAC Action 0601).

Update: Ben Oldham (BO) said that he had been liaising with Simon Howard (SH) on the outcome of the GDN's Workshop held on 15 July 2021. SH confirmed the engineering bulletin had been discussed with the GDN's, and he added that most of the GDN's did not have orifice plate meters. BO noted that the review of the ME/2 process had also been undertaken. Both BO and SH confirmed this action could now be closed. **Closed.**

0706: Transporter Metering Forum to share knowledge of the SE007 – Isle of Grain Measurement Error to ensure awareness and consider mitigating actions.

Update: AR said that this action would be carried forward with the emphasis on the Transporters to provide comments at the 29 September 2021 meeting, as there was reduced Transporter representation at the meeting. **Carried Forward**

0708: Transporters and National Grid to consider how to ensure all Offtake Measurement Errors are captured and covered by a documented adjustment process.

Update: AR reiterated that the Measurement Error Guidelines, (the Guidelines), covered gas entering an LDZ from the NTS and an adjacent LDZs but not from delivery facilities such as bio-gas deliveries and, the case in point, the Isle of Grain LNG boil-off. He confirmed in relation to this matter he had sent options for amending the Guideline to recommend them as good practice for meter errors associated with these entry points. AR said that this action would be carried forward with the emphasis on the Transporters to provide comments at the 29 September 2021 meeting, as there was reduced Transporter representation at the meeting.
Carried forward

Action 0801: Cadent (BO) to provide more detailed information regarding the schedule for the replacement of the Orifice Plates.

Update: BO explained the Project was still in the design phase presently and the planned works were being considered in Q3 2022, and at this stage then the Risk Plan and Project Plan would be developed. Kirsty Dudley (KD) said that the Performance Assurance Committee (PAC) would also have an interest in viewing the Road Map when this had been produced. It was agreed that this action would be carried forward.
Carried forward

Action 0802: Cadent (BO) / TÜV SÜD (ML/MRH) to provide volume figures in relation to the 5 – 7% Alrewas Measurement Error.

Update: AR enquired if the volume figures were still in the region of 5-7%, resulting in a total error in excess of 500 GWh. SH said these were the figures that had been provided by TÜV SÜD, although there was not a direct correlation in the change in error and he expected the data to be more in the region of 4.5-7.5% as one Orifice Plate was in use for several more months more than the other, one was from 23/05/2019 to 20/05/2020 and the other was from 20/05/2020 to 23/02/2021.

He provided an overview of the exact figures as detailed below:

The results from plate 295-5 are shown in the table below:

Case (Reynolds number)	Discharge Coefficient - CFD Ideal	Discharge Coefficient - CFD Reversed	Shift In Discharge Coefficient (%)
Low Flow (Re 7,095,465)	0.59706	0.63556	6.45
Medium Flow (Re 14,190,929)	0.59377	0.63465	6.88
Maximum Flow (Re 26,607,993)	0.59119	0.63475	7.37

The results from plate 5036 are shown in the table below:

Case (Reynolds number)	Discharge Coefficient - CFD Ideal	Discharge Coefficient - CFD Reversed	Shift In Discharge Coefficient (%)
Low Flow (Re 7,095,465)	0.59496	0.62663	5.32
Medium Flow (Re 14,190,929)	0.59386	0.62559	5.34
Maximum Flow (Re 26,607,993)	0.59133	0.62489	5.64

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AR concluded that from this data it seemed that the error would likely exceed 500GWh and if this was the case, then as stated in the Guidelines, a second Independent Technical Expert (ITE) should be appointed.

Fiona Cottam (FC) asked if this percentage was the total of the East Midlands throughput or was the Alrewas East Midlands Offtake. SH confirmed it was 14,000 GWh through the whole period for the meter in question. AR suggested that this area should be further discussed at the next meeting to allow time for the Shippers to investigate the potential impacts and the likely change to timelines.

AR added that once the final Measurement Error Report had been submitted by TÜV SÜD, then the results would be known and an assessment could be undertaken in relation to the second ITE requirement, and this would also be raised at the PAC and the UNCC.

Christopher Syrett (CS) said that he presumed if a second ITE was appointed then this would have a timing issue impact on the reconciliation. AR confirmed that this would be the case, but the amount of delay would depend on the type and complexity of the data analysis that was undertaken by the second ITE.

Kirsty Dudley (KD) asked if Rachel Martin (RM) could produce another timeline with the potential impacts to the reconciliation process by the appointment a second ITE and RM said she would investigate this matter.

New Action 0901: Correla (RM) to produce a new timeline showing the impacts to the reconciliation process by the appointment of a second ITE.

Mark Jones (MJ) noted that when a second ITE had been appointed in the past, the two ITEs had produced very different results and this had led to some very lengthy and interesting discussions, which had also delayed processing the reconciliation.

Kirsty Dudley (KD) said that a formal agenda item should be added to the 29 September meeting, to flag that a decision regarding a second ITE may need to be made at that meeting, following the findings of the Significant Measurement Error Report, (SMER).

New Action 0902: All Shipper Workgroup participants to make the decision regarding the appointment of the second Independent Technical Expert (ITE) if the error overall amount exceeds 500 GWh – a decision to be made on 29 September 2021.

Mark Jones (MJ) said that he was not sure if there was an option, as he understood from a previous Measurement Error issue in the past that the second ITE had to be appointed, but acknowledged this was at a very early stage of the investigation. Guv Dosanjh (GD) and KD both said that it would be the Shippers decision depending on the scenario and the views of the Workgroup should be a factor.

GD proposed that this matter should be placed on the UNCC agenda for the September meeting and likewise on the Distribution, Transmission, and PAC meeting agendas for September to alert as many Shippers as possible of the Offtake meeting on 29 September 2021, and decisions they may have to make. GD said if there was an imbalance of Shippers regarding the overall decision, then the matter would be referred to the UNCC.

AR said that the majority vote would be the most sensible approach, and that it was his intention to provide a 'break out' session for the Shippers within the meeting on 29 September 2021 to allow discussion and debate between the Shippers as to their proposed course of action.

New Action 0903: Joint Office (AR) to ensure a new agenda item is to be added to the September meetings of the UNCC, Distribution and Transmission Workgroups and the PAC, in relation to if the Measurement Error Report produced by TÜV SÜD if it exceeds 500GWh, then a decision is to be made on 29 September 2021 regarding the second ITE appointment.

Action 0803: Cadent (BO) to provide a status update and timeline of progress of the Measurement Error Report prior to 01 September 2021.

Update: BO said the Measurement Error Report would be available later this month (September) in readiness for the 29 September meeting, and this had been confirmed by TÜV SÜD. BO proposed this action could now be closed. **Closed**

KD proposed that in view of the potential need of second ITE, the Guidelines should be reviewed to ensure they are still 'fit for purpose'. She added that perhaps these could be assessed within the Governance Workgroup. AR said that at new action would be raised for consideration at the 29 September 2021 meeting.

New Action 0904: Offtake Arrangements Workgroup to review the Offtake guidelines to ensure they are fit for purpose.

2. Review of Measurement Error Progress EM009 – Alrewas EM MTD

Please refer to Action 0802 and 803 above for the update.

3. Any Other Business

None.

4. Diary Planning

It was agreed that AR would propose new dates and these are as below:

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

Time / Date	Venue	Programme
10:00 Wednesday 29 September 2021	Microsoft Teams	<ul style="list-style-type: none"> • SMER EM009 - Alrewas EM MTD progress • Review of the SMER • Shippers to discuss options for the appointment a second ITE, if it is confirmed that the error exceeds 500GWh.

Action Table (as of 01 September 2021)

Action Ref	Meeting Date	Minute Ref	Action	Owner	Target Date	Status Update
0703	08/07/21	2.0	Cadent (BH) to prepare a draft implementation plan including consideration of how best to disseminate the 'lessons learnt' from Cadent's review of the ME/2 process and EM009 in particular, across all Transporters (PAC Action 0601).	Cadent (BO)	26 July	Closed
0706	08/07/21	3.0	Transporter Metering Forum to share knowledge of the SE007 – Isle of Grain Measurement Error to ensure awareness and consider mitigating actions.	All Transporters	26 July	Carried forward
0708	08/07/21	3.0	Transporters and National Grid to consider how to ensure all Offtake Measurement Errors are captured and covered by a documented adjustment process.	All Transporters	04 August	Carried forward
0801	04/08/21	1.0	Cadent (BO) to provide more detailed information regarding the schedule for the replacement of the Orifice Plates.	Cadent (BO)	29 September	Carried forward
0802	04/08/21	2.0	Cadent (BO) TÜV SÜD (ML/MRH) to provide volume figures in relation to the 5 – 7% Alrewas Measurement Error.	Cadent (BO) /TÜV SÜD (ML/MRH)	01 September	Closed

Action Table (as of 01 September 2021)

Action Ref	Meeting Date	Minute Ref	Action	Owner	Target Date	Status Update
0803	04/08/21	3.0	Cadent (BO) to provide a status update and timeline of progress of the Measurement Error Report prior to 01 September 2021.	Cadent (BO)	01 September	Closed
0901	01/09/21	1.3	Correla (RM) to produce a new timeline showing the impacts to the reconciliation process by the appointment of a second ITE.	Correla (RM)	29 September 2021	Pending
0902	01/09/21	1.3	All Shipper Workgroup participants to make the decision regarding the appointment of the second Independent Technical Expert (ITE) if the error overall amount exceeds 500 GWh – a decision to be made on 29 September 2021.	All Shippers	29 September 2021	Pending
0903	01/09/21	1.3	Joint Office (AR) to ensure a new agenda item is to be added to the September meetings of the UNCC, Distribution and Transmission Workgroups and the PAC, in relation to if the Measurement Error Report produced by TÜV SÜD if it exceeds 500GWh, then a decision is to be made 29 September 2021 regarding the second ITE appointment.	Joint Office (AR)	29 September 2021	Pending
0904	01/09/21	1.3	Offtake Arrangements Workgroup to review the Offtake guidelines to ensure they are fit for purpose.	All Transporters	October 2021	Pending