

**Entry Customer Forum**  
**7<sup>th</sup> September 12:30-14:30**  
**Microsoft Teams**

Stuart Easterbrook (Chair)	SE	Cadent
Tina Hawke	TH	Cadent
David Chalmers	DC	Cadent
Faisal Haroon	FH	Cadent
Nolan Robertson	NCR	Cadent
Ben Oldham	BO	Cadent
Katie Harrison	KH	ENA
Nicola Lond	NL	National Grid
Ben Hanley	BH	NGN
Emma Buckton	EB	NGN
Anna Kapeni	AK	NGN
Joel Martin	JM	SGN
Charles Thompson	CT	AB Agri
William Mezzullo	WM	Centrica
Alison Cartwright	AC	CNG Services
Philip Kershaw	PK	CNG Services
John Baldwin	JB	CNG Services
Alan Sly	AS	Elster-Honeywell
Steve Coverdale	SC	NWL
Paul Worthington	PW	Orbital
Kiara Zennaro	KZ	REA
Russell Brown	RB	Thyson

**Minutes and actions from the last meeting:**

There were no comments on the minutes from the previous meeting.

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The actions table was updated:

Number	Date	Action	Owner	Status
1	27 Apr 21	DFOs to review potential changes and obtain costs from GEU suppliers and put a proposal together for GDNs.	DFOs	<i>Carried forward</i>
2	27 Apr 21	GEU suppliers to send revised methodologies to ENA for GDNs to review.	GEU suppliers	<i>Closed</i>
3	25 May 21	BW and AS to further discuss draft proposal on CV blips.	AS/BW	<i>Closed</i>
4	22 Jun 21	TH to set up Operator Competence Accreditation Working Group	TH	<i>Carried forward</i>
5	22 Jun 21	BH to raise increasing the propane limit to 8% with SGS. BH explained that manufacturers of devices will need to agree to further testing to ensure they can be recertified at 8%.	BH	<i>Closed</i>
6	22 Jun 21	BW to write a summary of the GDN CV target review.	BW	<i>Closed</i>
7	22 Jun 21	NL to feedback existing work being done in NGGT on sharing gas quality data. GDNs to continue conversations with NGGT	NL	<i>Carried forward</i>
8	22 Jun 21	KH to share the Agreed Bottle Change Procedure.	KH	<i>Closed</i>
9	22 Jun 21	ADBA and REA to share Agreed Bottle Change Procedure with their members.	ADBA/REA	<i>Closed</i>

## EnCF Action Plan Tracker

Group reviewed the tracker. Items were either covered on the agenda or to be covered in November.

## Proposal – Gas Safety Alert System

KZ explained that the REA and their members feel it would be useful to have a system to share lessons learned. The REA used to have a voluntary safety alert system on their website but this was never widely adopted by industry. KZ suggested involving HSE to encourage industry adoption of a new system. JB highlighted the importance of HSE involvement. SC noted there are legal considerations but agreed it would be useful to develop a system to share learning. CT shared that within AB Agri near misses are shared internally.

SE suggested sharing initial ideas to help shape a trial. KZ suggested engaging HSE after the EnCF has shared ideas and has a clear plan. **Action: SE and KH to develop short survey to collect ideas for safety alert system trial.**

## Proposal – Within grid compression

AC explained the proposal is about addressing restricted capacity on networks with two suggested options: compress to 250 bar and take CBM by road; inject into closest grid and compress (within grid compression). For within grid compression, AC outlined fundamental principles and noted it would be useful if a standard approach could be adopted by GDNs. SE noted that the networks had previously committed to supporting in-grid compression owned by the networks and funded by the triggering party. AC noted there are ten compression projects underway in France.

JM noted that there would need to be standard way of allocating capacity created and considering how new biomethane sites connecting could use the identified capacity. TH noted there is a need to adhere to commercial agreements in NEAs. In terms of standard design, AC explained there are many compressors on the market and it would be quicker to tweak an existing model rather than build a new one. SE explained that the networks may have different requirements such as zero emissions and maintenance regimes.

SE suggested taking this forward via two NIA projects: standard design and commercial arrangements. JB expressed concern with the NIA funding route as this can be timely. SE noted that bringing in new resource would help speed up the projects. **Action: Networks to scope NIA projects for in-grid compression – Standard design and commercial arrangements.**

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## Standardisation Update

### Samples Guidance sheet:

BO explained the [guidance sheet for offline sampling](#) has been developed for DFOs to check against their own samples before submitting to gas networks.

### SAT Methodology:

TH explained there will be a meeting between GDNs and each GEU supplier to discuss final tweaks to the SAT Methodologies. These meetings will complete by mid-October. Requirements will be listed on ENA website and will be mandatory from 1<sup>st</sup> April 2022.

### GQ8:

TH noted there have been meetings between networks to review the different GQ8 processes, and the risk analysis undertaken by Cadent in GQ8s is undertaken by other GDNs in HAZOP assessments. There will be a further workshop in September to encompass the holistic risk assessment processes.

### ME2:

BH is awaiting confirmation from Joint Office whether a working group to review ME2 can be held outside the Joint Office.

### SGS:

The group were shown the SGS dashboard. JM explained GDNs are experiencing significant numbers of SGS issues. There is an SGS refresher workshop on 29<sup>th</sup> September to recap on SGS expectation when they audit biomethane sites.

### Future Billing Methodology:

DC explained the field trial has completed, which produced large amounts of technical information which has since been analysed and further thoughts on billing options have been developed and explored through Q3. An industry consultation on

billing options is being prepared by Correla for Q4. After which there will be a final report, CBA and roadmap for implementation published.

KZ asked when the final report will be published and what next steps. DC explained the plan is to publish in Q4, further steps will be to develop a detailed feasibility study for the selected billing option.

### **Hydrogen Blending:**

NCR explained the gas networks are preparing for hydrogen blending, a report on market framework changes required to enable blending will be published in Q4. Four further projects are being scoped: Blending model; Blueprint; Regime Changes; Economic Comparison. NCR noted that networks have developed initial scopes and are keen to speak to industry before finalising scopes to share with potential providers.

In terms of the blending model project, this will look at questions around ownership. NCR asked whether anyone from the group would be interested in helping to scope the blending model project. KZ explained that REA have hydrogen member working groups and it was agreed that NCR would attend to discuss this project. WM explained that Centrica have a policy and regulatory team who would be interested in having discussion on this.

### **Economic Comparison:**

FH explained one of the blending projects focuses on developing a cost-benefit analysis to appraise two scenarios for rolling out hydrogen blending. Scenario 1 – lots of sites but fewer volumes, scenario 2 – fewer sites but higher volumes. FH noted that to appraise the cost of scenario 1, a consolidated view of what supplier costs are involved for a typical biomethane site is required. These costs would be typical capital and operating costs for a typical biomethane site. Example capital costs could include cost of the AD plant, civil works, injection facility etc. Example operating costs could include rhinology services and other enduring maintenance costs. Grid connection costs can be supplied by the networks.

Once networks have a handle on typical/average biomethane costs, an assessment will be made on what infrastructure is required to enable hydrogen blending. The output will be shared with BEIS but any data received would be treated anonymously.

SC noted that he would share high level data to assist. SC suggested also looking at site income as many sites will receive payments from RHI, ROC, waste etc. KZ explained that to assist with the Green Gas Support Scheme development, REA members shared data with BEIS, which could potentially be shared to feed into this work.

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FH asked whether biomethane producers had considered how to set up hydrogen blending. WM noted that there may be requirements for sites to capture carbon. JB explained that if the regime could be tweaked then biomethane sites would be well-placed to inject hydrogen as long as propane wasn't required but an incentive may be required to kickstart. JB suggested a potential solution would be to inject green hydrogen into NTS to avoid CV issue and BEIS provide incentive.

SE noted that hydrogen blending had been highlighted at the Gas Goes Green Advisory Group and as blending develops there is a greater need to share knowledge, this may be better done via a separate forum.

**Live consultations:**

SE explained this will be a standing agenda item to discuss live consultations and provided an overview:

- BEIS and Ofgem consultation on Future Energy System operation in parallel with Code Governance Review – creating independent energy system operator, starting with electricity and potentially moving to gas. This could be done in a private independent organisation or via a state-owned Arm's Length Body.
- Hydrogen consultations such as Hydrogen Business Models, Low Carbon Hydrogen Standards

**CV Summary:**

The item will be closed in November.

**AOB:**

No AOB noted.

*Meeting closed.*

**Updated actions table:**

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1	27 Apr 21	<b>DFOs to review potential changes and obtain costs from GEU suppliers and put a proposal together for GDNs.</b>	DFOs	<i>Carried forward</i>
2	22 Jun 21	<b>TH to set up Operator Competence Accreditation Working Group</b>	TH	<i>Carried forward</i>
3	22 Jun 21	<b>NL to feedback existing work being done in NGGT on sharing gas quality data.</b> GDNs to continue conversations with NGGT	NL	<i>Carried forward</i>
4	07 Sept 21	<b>SE and KH to develop short survey to collect ideas for safety alert system trial.</b>	SE/KH	<i>Created</i>
5	07 Sept 21	<b>Networks to scope NIA projects for in-grid compression – Standard design and commercial arrangements</b>	Networks	<i>Created</i>