



# Open Networks Project

## Advisory Group Meeting Response (31 Aug 17)

31 August 2017

Energy Networks Association

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## Introduction

The third Advisory Group meeting for the ENA Open Networks Project was held on 31<sup>st</sup> August 2017 in London with papers presented from workstreams 1, 2 & 3 on the project.

Comments from these feedback sessions were captured in the meeting and this paper captures the key comments and how they have been addressed in our materials.

This paper sits alongside the published updated versions of the project material.

## Workstream 1 – T- D Processes

The project team presented three items from this workstream for feedback:

- Commercial Principles Paper
- T&D signals
- Gaps & Issues (Investment Planning)

The below table shows the headline feedback received from the Advisory Group for the Commercial Principles Paper and how this has been taken into account by the T-D Processes Workstream:

Advisory Group Feedback	Open Networks Workstream Response
<b>Need increased stakeholder engagement and input to commercial principles and market evolution</b>	Project Steering Group has approved increased stakeholder engagement activity for 2018 across the project. Public consultation on commercial principles and future key products. Advisory Group members invited to SGAM modelling workshops developing market models.
<b>How are services being linked between NG and DNOs?</b>	Whole system market models are being developed in Workstream 3 in SGAM modelling.
<b>Need to be clear on next steps for developing (and potentially selecting) market models from the commercial principles</b>	To address in the consultation response and market model development work in Workstream 3.
<b>Near real-time data publication requested for third parties</b>	SGAM modelling will look at data content and frequency of data provision in the interfaces required between parties to support markets.
<b>Principle buyers are DSO and SO – are there any others?</b>	SGAMN modelling will consider actors in the market models, so this can be considered
<b>Are the market examples pre or post gate-closure?</b>	Operational focus is post gate-closure, but DSO functional requirements include investment planning and this process will be considered.
<b>Are we assuming DER have the option to provide services or are we looking at mandating use of these resources to remove constraints?</b>	Assumption is that in general markets will provide, however there may need to be emergency actions taken (as defined in relevant frameworks) which must be enacted.
<b>From an iDNO perspective, there are a number of models for IDNO/DSO interface.</b>	To keep this in mind and ensure there is iDNO input through our developments.
<b>Language around “whole system” needs to be clear.</b>	Project to include a definition of “whole system” in the End of Year Report. WWU to present on gas networks in next Advisory Group.
<b>Clarity on roles and responsibilities still needs to be determined</b>	Noted and this is part of future development.

The below table shows the headline feedback received from the Advisory Group for the Gaps & Issues Paper and how this has been taken into account by the T-D Processes Workstream:

Advisory Group Feedback	Open Networks Workstream Response
<b>Language around “whole system” needs to be clear.</b>	As above, project to include a definition of “whole system” in the End of Year Report. WWU to present on gas networks in next Advisory Group.
<b>Transparency of data and publication near to real time requested for third parties. Consideration required more widely on availability of data.</b>	As above, SGAM modelling will look at data content and frequency of data provision in the interfaces required between parties to support markets. To consider in T-D developments.
<b>How will change be implemented – bilateral agreements SO-DSO or more structural change like licence conditions</b>	We will consider the most appropriate mechanism to deliver change. That might be sharing best practice for DNOs/SO to implement change, bilateral agreements or suggesting Code/licence changes for longer term more fundamental reform.
<b>Should the TSO/ TO / DSO interfaces be cognisant of interfaces with other market participants – such as flexibility providers?</b>	The interfaces designed under WS1 P5 are operational data flows for real-time control of the system. Market interfaces will be equally important and will be included in some of the work packages for 2018 to be reviewed in the next Advisory Group.
<b>Considerations of General Data Protection Requirements (GDPR) &amp; Network and Information Security Directive (NISD)</b>	A further activity within WS1 P5 is reviewing all of the outputs and ensuring EU code compliance.

## Workstream 2 – Customer Experience

The project team presented a set of customer issues and information requirements that were identified and will be used in the project to identify short, medium and long term actions.

The below table shows the headline feedback received from the Advisory Group and how this has been taken into account by the Customer Experience Workstream.

Advisory Group Feedback	Open Networks Workstream Response
<b>Consistency across DNOs for data availability (e.g. heat maps) and pre-application support</b>	A best practice guidance document will be produced to improve the information and data made available to customers in the pre-application process, including best practice guidance on heat maps.
<b>Capacity recycling</b>	Workstream 2 will prepare a proposal paper for capacity recycling for discussion and approval by the Advisory Group.
<b>Lack of agreed definitions for technical terms (e.g. firm/unfirm)</b>	We are preparing a glossary or explanatory document on different types of connection security covering terms such as 'firm' and 'unfirm'.
<b>Information about where DNOs can benefit from flexibility services</b>	The 2018 plan includes development and publication of Pre-application improvements for DNO seeking flexibility services.
<b>Need to address how multiple applications will be managed.</b>	The 2018 plan includes the production of a best practice document to improve the information made available to customers in respect of issues raised by multiple applications.

There was a more general question on how the overlap between workstreams is managed. The product output interdependencies are recorded on our centralised Project Tracker, so any output is passed across to the relevant groups when completed and the timings of dependant outputs are tracked to ensure the critical path isn't impinged by adjacent late delivery. Product Leads are regularly invited to present outputs at the monthly workstream Meetings. For example WS3 P2 has been presented at WS1 & WS2, plus a webinar has been conducted to disseminate further.

### Workstream 3 – DSO Transition

The project team presented DSO Functional Requirements to the Advisory Group and asked for their input. In particular, the market attributes which customers require were highlighted, as these are important when developing future DSO models. The below table shows the headline feedback received from the Advisory Group and how this has been taken into account by the DSO Transition Workstream:

Advisory Group Feedback	Open Networks Workstream Response
<b><u>Product 2 Specific Feedback</u></b>	
<p><b>Are IDNOs/IDSOs explicitly mentioned? We need to add them.</b></p>	<ul style="list-style-type: none"> <li>• We have amended System Co-ordination to explicitly include IDSOs.</li> <li>• ENA has met separately with the IDNOs and will be working closely with them to ensure they are considered throughout the SGAM work</li> </ul>
<p><b>T-D co-ordination/whole systems outcomes:</b></p> <ul style="list-style-type: none"> <li>• <b>Should mention different timescales</b></li> <li>• <b>Need to add other energy vectors here</b></li> </ul> <p><b>Need consistency across T and D and other markets</b></p>	<p>System Co-ordination and Market/Service Facilitation have been altered in line with this feedback.</p>
<p><b>Market attributes:</b></p> <ul style="list-style-type: none"> <li>• <b>Need to add transparency to the list of functions</b></li> <li>• <b>Activity 3: “to be technically controlled and commercially optimised at a local level” is reading too much like the DSO is running and operating the market</b></li> </ul>	<p>Market/Service Facilitation activities have been updated following this feedback.</p>
<p><b>Intrinsic network services (eg: tap changers for voltage control) need to be defined</b></p>	<p>This is being progressed under the actions in WS3.</p>
<p><b>Is settlement included?</b></p>	<p>Settlement is one of the identified competences. Further references have been added under the Market Facilitation function to clarify.</p>
<b><u>The DSO and Market Models</u></b>	
<p><b>Is the DSO local or national?</b></p>	<p>We are considering multiple models, including national and local flexibility markets.</p>

<p><b>Have you included models from other countries? For example California</b></p>	<p>Yes, models from other Geographies have been reviewed and compared with those proposed in the UK. New or additional models from other Geographies have been captured accordingly.</p>
<p><b>Will a list of FAQ's be delivered?</b></p>	<p>Yes, the project will be producing a list of FAQ's and answers, and posting them on the ENA website.</p>
<p><b>System co-ordination is more control room operation, network operation is more maintenance, switching operations, etc</b></p>	<p>System Co-ordination could be thought of as operator to operator interactions to ensure the secure and efficient functioning of the overall system. Network Operation is more about how DSO's will operate their own circuits and assets to ensure their network is secure.</p>
<p><b>Are there plans for a nationwide constraint map?</b></p>	<p>Constraints can be very localised, so constraint maps will likely be geographically based</p>
<p><b>Network charging will have a major effect on the business case of facilities/investments, and hence how they interact in markets. For example, if we move to kW charging, you might still need the kW capacity, but you might use far less kWh, which will affect how you interact.</b></p>	<p>This will be passed onto WS4</p>