Open Networks Programme
2022 Scope Consultation & Call for Participation in Challenge Group webinar

2nd November 2021
Thank you for joining this Open Networks webinar.

• This webinar will commence at 14:00.
• If you are unable to play the audio through your device, you can dial in by calling +44 20 3855 5885 and using access code 282521880#
• All microphones have been set to mute to avoid background noise.
• Please ask questions or make comments via the chat function throughout the meeting.
• Please note that the webinar will be recorded and made publicly available on ENA's YouTube channel. Please do not turn your video on if you don't want your likeness to be recorded and shared.
• If you would like to receive further information about the Open Networks Project or have any feedback you would like to submit, please get in touch with us at opennetworks@energynetworks.org.
<table>
<thead>
<tr>
<th>Item</th>
<th>Start</th>
<th>Finish</th>
<th>Time</th>
<th>Item</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>14:00</td>
<td>14:05</td>
<td>5</td>
<td>Welcome and Overview of Open Networks Programme</td>
<td>Sotiris Georgiopoulos (SG Chair - UKPN)</td>
</tr>
<tr>
<td>2</td>
<td>14:05</td>
<td>14:15</td>
<td>10</td>
<td>Challenge Group &amp; 2022 high-level scope</td>
<td>Farina Farrier (Head of ON project - ENA)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Workstream Overviews</td>
<td>Workstream Chairs</td>
</tr>
<tr>
<td>3</td>
<td>14:15</td>
<td>14:30</td>
<td>15</td>
<td>WS1A Flexibility Services</td>
<td>Ben Godfrey (WPD)</td>
</tr>
<tr>
<td>4</td>
<td>14:30</td>
<td>14:45</td>
<td>15</td>
<td>WS1B Transmission-Distribution planning</td>
<td>Ian Povey (ENWL)</td>
</tr>
<tr>
<td>5</td>
<td>14:45</td>
<td>14:55</td>
<td>10</td>
<td>WS2 Connections &amp; Information Provision</td>
<td>Jim Cardwell (NPG)</td>
</tr>
<tr>
<td>6</td>
<td>14:55</td>
<td>15:05</td>
<td>10</td>
<td>WS3 DSO Transition</td>
<td>Steve Atkins (SSEN)</td>
</tr>
<tr>
<td>7</td>
<td>15:05</td>
<td>15:20</td>
<td>15</td>
<td>WS4 Whole Energy Systems</td>
<td>Andy Wainwright (NG ESO)</td>
</tr>
<tr>
<td>8</td>
<td>15:20</td>
<td>15:25</td>
<td>5</td>
<td>WS5 - Communications and Stakeholder Management</td>
<td>Emily Jones (ON Communications Lead - ENA)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• 5th year celebrations</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>15:25</td>
<td>15:30</td>
<td>5</td>
<td>Wrap Up</td>
<td>Sotiris Georgiopoulos (SG Chair - UKPN)</td>
</tr>
</tbody>
</table>

We will be taking questions throughout the session and we encourage you to ask your questions via the chat function.
Open Networks Programme

ENA’s Open Networks programme is a major industry initiative that is leading the transition to a smart and flexible energy system that will enable Net Zero.

Open Networks is delivering a Smart Grid by:

- **Opening local flexibility markets** to demand response and renewable energy
- Helping customers **connect faster**
- **Opening data** to enable customers identify best locations to invest
- **Delivering efficiencies** between network companies to operate secure and efficient networks

Areas of focus

- DSO Transition
- Flexibility Services
- T D Planning
- Connections
- Whole Energy Systems
- Comms & Stakeholder Engagement

Open Networks Approach

- Standardisation
- Simplification
- Transparency
- Fairness
- Collaboration
2022 Scope & Challenge Group

2022 is another important year for the Open Networks programme as we ramp-up our efforts to enable Net Zero. Delivering this change in collaboration with the industry will be more important than ever and therefore, we are revising our governance to enable greater collaboration with the industry.

With this in mind, we have launched the following that will be open until 16th November.

2022 High-Level Scope Consultation

In response to stakeholder feedback, we have brought forward our scope development process and are consulting on our high-level scope for next year to get early input from the industry on our work.

We welcome all feedback from stakeholders on our proposed work for 2022. We will use this to shape the final Programme Initiation Document that we will launch in Jan 2022.

- Consultation on high-level scope for 2022

Call for participation in Challenge Group

We are setting up a Challenge Group to give stakeholders a greater voice in the programme with a focus on challenging and shaping the work of the Open Network programme.

A call for participation is currently open and we are welcoming applications from interested industry stakeholders.

- Terms of Reference for Challenge Group
- Application form to join as Members
- Invitation to apply for Independent Chair
Challenge Group
Open Governance

As part of the scope for 2021, Open Networks (ON) has explored ways to work more collaboratively with the industry to deliver change proposals.

Key drivers

- Net Zero mandate
- Smart Systems & Flexibility Plan
- Stakeholder feedback
- Ofgem, BEIS & Steering Group input

“We believe that Open Networks can do even more to engage and collaborate with non-network operators to deliver commercial and technical solutions to many of the problems being addressed by the Open Networks Project. We would like to see Open Networks work more with flexibility providers...”

E.ON
2021 PID Consultation feedback

“Future plans to ongoing product governance should aim to facilitate change with industry involvement, drawing on stakeholders’ expertise across the industry.”

Renewable UK
2021 PID Consultation feedback
Open Networks Challenge Group

• The Challenge Group is being setup for 2022 that gives interested stakeholders a bigger voice in the programme and the opportunity to shape the direction of the programme, its priorities and the outcomes that it delivers through providing a more formal challenge function on behalf of the industry.

✓ Shape priorities and work plan
✓ Review and shape key programme proposals
✓ Provide challenge on progress
✓ Facilitate stakeholder engagement within their areas as required

• Given the programme’s mandate to deliver a common framework for flexibility by 2023, we anticipate that the interest and focus of this group will be on topics that relate to flexibility, but we will welcome and consider other topics as necessary.

• The Challenge Group will be chaired by an independent representative that would also represent this group at the Steering Group.

• The Challenge Group is currently being setup via an open call for nominations and will kick off in Jan 2022 and will meet every 2 months thereafter.
Open Networks Challenge Group

ena is setting up this Challenge Group with up to 19 non-network industry representatives with the allocations per stakeholder group below.

<table>
<thead>
<tr>
<th>Stakeholder Group</th>
<th>Number of seats</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flexibility providers</td>
<td>8*</td>
</tr>
<tr>
<td>Generator</td>
<td></td>
</tr>
<tr>
<td>Demand customer</td>
<td></td>
</tr>
<tr>
<td>Storage</td>
<td></td>
</tr>
<tr>
<td>Aggregator</td>
<td></td>
</tr>
<tr>
<td>Large supplier</td>
<td></td>
</tr>
<tr>
<td>Small supplier</td>
<td></td>
</tr>
<tr>
<td>Trade or representative body with an interest in flexibility</td>
<td></td>
</tr>
<tr>
<td>Supply chain and smart solutions</td>
<td>1</td>
</tr>
<tr>
<td>Platform provider</td>
<td>1</td>
</tr>
<tr>
<td>Settlement agent</td>
<td>1</td>
</tr>
<tr>
<td>Community, local energy and local authorities</td>
<td>2</td>
</tr>
<tr>
<td>Data</td>
<td>1</td>
</tr>
<tr>
<td>Academia</td>
<td>1</td>
</tr>
<tr>
<td>Code Manager</td>
<td>1</td>
</tr>
<tr>
<td>Regulator</td>
<td>1</td>
</tr>
<tr>
<td>Government</td>
<td>1</td>
</tr>
<tr>
<td>Consumer Protection Party</td>
<td>1</td>
</tr>
<tr>
<td>TOTAL</td>
<td>19</td>
</tr>
</tbody>
</table>

Other stakeholder engagement mechanisms that we will continue to utilise include focus groups to engage on key aspects of product development from time to time, webinars, public consultations etc.
**Timeline and 2022 Scope Consultation**

<table>
<thead>
<tr>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
<th>Jan 2022</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Setup Challenge Group</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Call to industry to join Challenge Group</td>
<td></td>
<td>Kick off ON Challenge Group &amp; programme of work</td>
</tr>
<tr>
<td></td>
<td><strong>2022 Scope Development</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Consultation on High-Level scope for 2022</td>
<td></td>
<td>Launch work plan and commence work</td>
</tr>
<tr>
<td></td>
<td>Review nominations, finalise and notify representatives</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Review feedback and finalise Programme Initiation Document (PID) using stakeholder input*</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Listening to stakeholder feedback, we have brought our 2022 scope development activity forward this year to give the industry the opportunity to provide early input and are consulting on our high-level scope for 2022.

We welcome all feedback from stakeholders to help shape our work plan for next year.

*As part of the application process, Challenge Group reps will be asked to provide their input on the scope that will be factored into the final work plan.*
2022 High-Level Scope
Flexibility Services – Product Areas

Supporting delivery of actions from **Smart Systems & Flexibility Plan**, with a focus on helping to deliver a common framework for flexibility by 2023. Facilitating the development of local flexibility markets through more **standardisation** (across DNOs and with the ESO), **simplification**, and **transparency** in decision-making.

---

**Overarching Common Framework for Flexibility Services (P0)**

Integrate the various aspects of flexibility into a coherent framework. Additionally, set out a clear strategic view of further development required to mature processes across key aspects of flexibility (e.g. real time procurement, interoperability across platforms etc.).

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Further enhancements, including consultation and incorporation of option value. <strong>Consultation in Q1 2022</strong></td>
<td>Map out move to real time procurement, standard approach to pre-qualification, taking forward 2021 recommendations for greater visibility of requirements.</td>
<td>Further improvements incl. alignment of schedules, inclusion of additional products and consideration of tripartite agreements</td>
<td>Review of interoperability of systems across DSO and ESO. Review approach to Settlement across DSO services.</td>
<td>Coordination and co-optimisation of flexibility services across DNOs and ESO.</td>
<td>Develop carbon reporting and forecasting methods for flexibility services</td>
<td>Improve information to enable participation in flexibility markets</td>
</tr>
</tbody>
</table>

Workstream support to monitor roll out of baselining methodologies, monitor industry trials to inform non-DSO services, support key strategic initiatives such as Full Chain Flexibility, Access and Forward Looking Charges SCR as required.

**Consultation on all work in Jul 2022**
Flexibility Services – Activities & Timelines

2022

P1 – Common Evaluation Methodology
- Consult on methodologies for option value and further changes.
- Incorporate changes into V3 of CEM
- Consider interaction of tools & methodologies in overall options assessment processes and set out shorter and longer term view.

P2 – Procurement Process
- Develop evolution paper to set out short, medium and longer term plan to move towards real time flexibility procurement.
- Deliver standard pre-qualification criteria and approach.

P3 – Dispatch interoperability & Settlement
- Develop plan to deliver interoperability across systems (incl. ESO, DSO) in the short, medium and longer term. ( Longer term considerations would include development of common systems, processes and APIs.)
- Follow through next steps and plan for alignment of timescales to reflect 2021 consultation feedback.

P4 – Standard Agreement
- V3 to include: Further improvements based on stakeholder feedback; Further alignment of schedules; Extension of product specific schedules across products; Consideration of tripartite agreements;

Consultation
- Update plan and progress short term development and address barriers

Update plan to reflect feedback & commence implementation
- Review current approaches to settlement (DSO Services)
- Develop plan for convergence on settlement (DSO Services)

Update V3
- Further iterations
Flexibility Services – Activities & Timelines

2022

P5 – Primacy Rules for service conflicts
- Iteration 1 Development & Deployment (Limited Use Case(s))
- Implement and Test the designed processes and information flows
- Review rules and establish roll out process
- Publish V1.0 of Rules, further development/iterations

P6 – Flexibility Products
- Review & update previous analysis on stackability
- Progress actions as required
- Review reactive power related developments
- Define Reactive Power Product

P7 – Carbon Reporting
- Develop carbon reporting and forecasting methodology for flexibility services

P8 (ANM) – Curtailment Management
- Review progress on implementation plan for sharing of curtailment data
- Update and implement risk apportionment principle

P9 – Overarching Common Framework for Flexibility
- Integrate various components of flexibility work into a common framework that sets out a clear strategic vision across all key aspects of flexibility.

Workstream activities
- Monitor ongoing network trials (Transition/Leo) to inform non-DSO services
- Monitor roll out of baseline tool developed in 2021
- Support key strategic initiatives and their outcomes, such as Ofgem’s work on Full Chain Flexibility, Access and Forward-Looking Charges SCR and BEIS’s work on the development of a framework for monitoring flexibility.
- Monitor changes to ER-P2 Security of supply standard to release capacity to accommodate flex & LCTs undertaken by ENA’s engineering recommendation working groups

The voice of the networks
Transmission-Distribution planning – Product Areas

Focused on improving interactions and co-ordination between electricity transmission and distribution taking a whole electricity system approach across planning and forecasting functions.
Supporting reporting against licence conditions that relate to planning and coordination.

**Future Energy Scenarios (P2)**
Further alignment between Future Energy Scenarios (FES) and Distribution Future Energy Scenarios (DFES). Further development of Best View Scenario.

**Operational DER visibility and monitoring (P6)**
Recommendation and implementation plan for gaining visibility of DER.

**Operational Data Sharing (P7)**
Mechanism of sharing real-time, operational and forecasting data between ESO and DSO.

**Network Development Process (P5)**
Review and update to Network Development Plan-Form of Statement.

**Whole Electricity System Coordination Register (P9)**
Review and update to Whole Electricity System Coordination Register- Form of Statement.
Transmission-Distribution planning – Activities & timelines

2022

P2 – Future Energy Scenarios
- Review and standardise GSP naming conventions and how GSPs are currently split
- Further alignments in FES/DFES demand/generation forecast modelling methodology in key building blocks

P5 – Network Development Plan
- Support implementation and identify improvements to NDP Form of Statement
- Stakeholder engagement

P6 – Operational DER visibility & monitoring
- Extend CBA to include assets and process that facilitate data transfer from the DER point of connection
- Recommendation and Implementation plan for gaining visibility of DERs

P7 – Operational Data Sharing
- Review and standardise mechanism for sharing real time data and operational forecasting between ESO-DSO
- Review and update implementation plan for operation data sharing
- Framework to optimise data sharing to improve market operation (in coordination with the DDSG and the Regs team)

P9 – Whole electricity system Coordination register
- Support implementation and identify improvements to Coordination register Form of Statement
- Stakeholder engagement

The voice of the networks
In addition to the above, WS1B will monitor industry developments on outputs delivered through P1 Investment Planning, P3 Real Time Data Exchange and P4 Data Exchange in Planning Timescales.
Connections & Information Provision – Product Areas

- Focused on visibility of data and process improvements through the application, connection and operations processes.

**Embedded Capacity Register (P1)**
Further development and digitalisation of the Embedded Capacity Register (working in collaboration with Data and Digitalisation Steering Group)

**Connection Agreement Review (P4)**
Progress 2021 recommendations

**Queue Management (P2)**
Monitor implementation of milestones.

**Interactivity (P3)**
Review code modification and Ofgem’s Access & Forward Looking Charges Significant Code Review decision
Connections & Information Provision – Activities & timelines

2021  Jan  Feb  Mar  Apr  May  Jun  Jul  Aug  Sep  Oct  Nov  Dec  2022

P1 – Embedded Capacity Register
- Update ECR to include ESO Balancing Services
- Extension of ECR to include assets <1MW

Phase 1 - development of ECR database solution for the incorporation of DER assets down to 50kW.

Population of ECR with available information on DER assets down to 50kW

P2 – Queue Management
- Monitor progress of CUSC modification CMP376

Monitoring promotion of flexible connections

Identify actions to address issues

Address risk & issues identified

P3 – Interactivity
- Review of outcomes of CMP328, Ofgem’s SCR decision, and learning from Interactivity experience

Review of implementation

Identifying recommended actions from review phase

Implement any recommendations from review phase

P4 – Connection Agreement Review
- Progress 2021 recommendations

In addition to the above, WS2 will monitoring the Access and Forward-Looking Charges SCR and will support actions as needed. WS2 will also monitor the code mods raised in 2021 including QM, User Commitment Issues, and CMP328. WS2 will have a focus on continuing to monitor and progress the User Commitment Issues CUSC modification(s) raised in 2021.
DSO Transition – Product Areas

- Fulfilling an overarching role to monitor and steer Distribution system operation (DSO) developments across all workstreams.

**DSO Roadmap (P1)**

Identifying and tracking against key DSO initiatives and developments in the DSO transition.

**Conflicts of Interest & Unintended Consequences (CoI & UC) register (P2)**

Capturing and investigate potential CoI and UC raised by stakeholders, along with identifying appropriate mitigation measures, and monitor their progress to provide visibility to industry.

DSO Transition will continue to take responsibility for horizon scanning possible impacts on the direction of travel for DSO. In light of major developments such as Access and Forward-Looking charges SCR and Energy Future System Operator, and the submission of DNO ED2 business plans, the need for further development within Open Networks will be considered.
WS3 will continue to fulfil an overarching role to monitor and inform DSO related policy and to steer DSO developments in line with this across the project. WS3 will act as the focal point for driving actions that are required for the transition in the short (ED1), medium (ED2) and long (ED3 onwards) timescales.
Facilitating more **cost-effective network investment and operations** across the whole energy system (electricity and gas) through **delivering tangible improvements** to existing processes through **more coordinated approaches and knowledge sharing**.

Proactively support and inform the development of a national framework and associated policies for **local area energy planning** from a networks perspective.

---

**Whole Systems CBA (P1)**

*Monitoring & supporting CBA use and explore opportunities for co-ordination with the CEM tool.*

**Coordinated Gathering of Regional Data (P3)**

*Monitor and support trials of the longer-term local authority led approach identified in 2021.*

**Local Whole System Optioneering Service (P4)**

*Further develop service providing coordinated electricity and gas networks input to inform Local Authorities’ development plans using a go/no go approach.*

**Shaping Local Area Energy Planning (P5)**

*Shaping network input into BEIS, Ofgem, and ESC work on Local Area Energy Mapping and Planning*

**Monitoring of Innovation Projects (P0)**

*Consolidating and disseminating outcomes and learnings from innovation trails across the industry, deriving greater value from trails.*
Whole Energy Systems – Activities & timelines

**P0 – Monitoring of innovation projects**
Monitor ongoing industry innovation trials, collating and disseminating project outputs and learnings amongst networks

**P1 – Whole Systems CBA**
Continue to monitor and support the use of the CBA tool and gather feedback

**P3 – Coordinated Gathering of Regional Data**
Review CEM changes e.g. Carbon Value, and explore opportunities for co-ordination with the CEM, planning for longer term alignment

**P4 – Local Whole System Optioneering Service**
Monitoring trails and the outputs

**P5 – Shaping Local Area Energy Planning (LAEP)**
Phased implementation of Investment planning service – Details TBC following scope proposal to Open Networks Steering Group in Nov 21

**P5 – Shaping Local Area Energy Planning (LAEP)**
Provide networks input into Ofgem, BEIS and ESC initiatives that are progressing the development LAEP frameworks and policy.
Develop best practice and guidance for local area energy planning.
Comms & stakeholder engagement

Objectives

• Effectively deliver our key messages to stakeholders through targeted and general messaging.
• Publicise the outputs from Open Networks and their contribution to the outcomes in the key messages.
• Provide customers and interested stakeholders with the opportunity to engage with our development work and better understand our output.
• Reach the breadth of stakeholders we want to engage (including parliamentarians and policy-makers, industry parties and community energy participants).

Main Activities

<table>
<thead>
<tr>
<th>Product</th>
<th>Timeline/frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Five years of Open Networks celebrations – events and campaigns</td>
<td>Throughout the year</td>
</tr>
<tr>
<td>ENA sponsored Westminster private dinners</td>
<td>Annually</td>
</tr>
<tr>
<td>ENA sponsored panel events (virtual and in-person)</td>
<td>Up to three a year</td>
</tr>
<tr>
<td>Webinars to provide opportunities for the wider stakeholder community to feed into appropriate Open Networks consultations and products</td>
<td>In line with Workstream consultations and product timelines</td>
</tr>
<tr>
<td>Online media-buying (advertising) to promote Open Networks events, webinars &amp; consultations on key websites (e.g. trade press)</td>
<td>Co-ordinated around key announcements</td>
</tr>
<tr>
<td>Social media collateral (animations, infographics) to promote Open Networks</td>
<td>Twice a year</td>
</tr>
<tr>
<td>Communications and engagement strategy development</td>
<td>Annual</td>
</tr>
<tr>
<td>Local authority and Community Energy Events: Location costs, article, promotion</td>
<td>Three per year</td>
</tr>
</tbody>
</table>
How to get involved

If you are interested in learning more about any of the below please contact opennetworks@energynetworks.org.

- Becoming a Challenge Group representative (Closes 16 Nov)
- Applying for the Challenge Group Independent Chair role (Closes 16 Nov)
- Responding to the 2022 high-level scope document consultation (Closes 16 Nov)

Or click [here](#) to join our mailing list