

Challenge Group ENA Open Networks

27th July 2023

Agenda

Item	Start	Finish	Time	Item	Presenter
1	14:00	14:05	5	Welcome and apologies	Maxine Frerk (Challenge Group Chair)
2	14:05	14:20	15	Recent industry developments and ON impact Ofgem's letter to Open Networks	Maxine Frerk (Challenge Group Chair)/ Jospeh Cosier & Fiona Campbell (Ofgem)
4	14:20	14:30	10	Focus Group Engagement Overview of feedback received in technical focus groups	Reece Breen Begadon (ON Technical Advisor, ENA)
5	14:30	14:50	20	ON Success Framework and Flex Figures Final view of the framework and 2022/2023 flex figures	Avi Aithal (Head of ON, ENA)
6	14:50	14:55	5	Break	
7	14:55	15:15	20	Primacy Rules Iteration 2 supporting analysis	Luke Harker (NG ED) & Stuart Fowler (NG ESO) (Technical working group co-Leads)
8	15:15	15:35	20	Flexibility Products Updated technical specs for active power product	Guy Shapland (SPEN-D) (Technical working group co-lead)
9	15:35	15:55	20	Settlement Processes Alignment proposal and gap analysis	Gavin Stewart (SSEN-D) and Tariq Hakeem (NG ESO) (Technical working group co-leads)
10	15:55	16:05	10	Agreeing Next Challenge Group Agenda	Avi Aithal (Head of ON, ENA) & All
11	16:05	16:10	5	Recent and Upcoming ENA Events	Helen Jarva (ON Project Manager, ENA)
12	16:10	16:15	5	AOB	Maxine Frerk (Challenge Group Chair)

Recent industry developments and ON impact

Ofgem's letter to Open Networks

Maxine Frerk (Challenge Group Chair)/ Joseph Cosier & Fiona Campbell (Ofgem)

ENA Open Networks 4th and 5th July Focus Groups

Reece Breen Begadon (ON Technical Advisor, ENA)

Focus group sessions

Topics on Tuesday 4 July:

- Implementation of DER visibility
- Carbon reporting
- Settlement process

Topics on Wednesday 5 July:

- Flexibility products
- Procurement process
- Primacy rules

Overview

- Good turnout and retention and quality of discussion
- Most workings groups have direct support and/or actionable feedback
- All working groups in the process of incorporating the feedback ahead of approval next month(s)



Do you want to help shape the future of local flexibility markets?

ENA's Open Networks programme is working with all the UK network companies to make it easier for flexibility providers to engage with the market, whilst improving transparency of network planning and decision-making, and making energy networks more coordinated and aligned.

Open Networks is inviting subject matter experts and relevant stakeholder to participate in a series of focus group sessions to help shape the developments within the local flexibility markets.

Split into multiple technical discussions across two days, these focus group sessions will be a great opportunity to raise series of queries for open discussion on key areas in the programme.

<p>Topics on Tuesday 4 July:</p> <ul style="list-style-type: none"> • Implementation of DER visibility • Carbon reporting in flexibility • Settlement process for local flexibility services 	<p>Topics on Wednesday 5 July:</p> <ul style="list-style-type: none"> • Standardisation of flexibility products • Standardisation of flexibility services procurement process • Primacy rules to manage service conflict
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To find more details on the logistics, purpose of the session and key the discussion points, please click on the links below:

- [Tuesday 4 July focus groups](#)
- [Wednesday 5 July focus groups](#)

To express your interest in attending one or any number of the sessions listed above, please complete [this sign up form](#).

If you have any queries, please contact: opennetworks@energy-networks.org

Overall attendance and demographic

- 71 People registered to attend the focus group sessions



Carbon reporting for flexibility services

Summary

- Stakeholders agreed with the proposed approach to incorporating asset specific information.
- Two alternative sources of data for time series marginal grid intensity factors were identified.
- Some push back from stakeholders on the use of timeseries grid intensity factors.
- Some attendees offered data to help understand these variances better.

Organisations

- Pod point;
- Strath ;
- CUB UK;
- Consumer Scotland;
- Smarter grid solutions;
- Drax Group;
- Energy UK;
- Futurofirma
- Sustainability Consulting Ltd;
- EV Energy;
- Piclo energy

Attendance

- Attendance: 28 registered and 15 attended.
- Retention: 87%

Settlement process

Summary

- The TWG have all the feedback they need to prioritise alignment of the key settlement parameters
- Strong support for the "minded to positions" of each of the parameters presented to the attendees.
- Recommendation to align towards the COP 11 metering standards as part of the settlement process standardisation.

Organisations

- CUB UK;
- Consumer Scotland;
- EV energy;
- Low carbon;
- Piclo energy;
- Nodes market;
- Flexitricity;
- Axle Energy;
- Electralink;
- British gas;
- Energy UK;
- Oaktree power;
- EV energy

Attendance

- Attendance: 35 registered and 16 attended.
- Retention : 100%

Standardisation of flexibility products

Summary

- Positive Feedback received in support of the groups alignment strategy and appreciated the efforts made to break everything down in a clear manner. The diagram outlining their proposal was received well.
- The attendees were keen for the proposed online market decision tool where providers can input the answers to some questions about their flexibility assets (such as speed of response) and the tool indicates which flexibility products they can provide

Organisations

- Consumer Scotland;
- Oak tree power;
- CUB UK;
- British gas;
- Energy UK;
- Axle energy;
- Octopus;
- Centrica;
- Piclo;
- Electralink;
- EV energy ;
- AMP Energy;
- Smartest energy;

Attendance

- Attendance: 35 registered and 22 attended.
- Retention : 100%

Standardisation of procurement process

Summary

- There were recommendations to expand the demand type list drop-down and suggestions to provide guidance on how to answer the questions.
- Overall, in support of the proposed templates for commercial and technical criteria and technical working group have all the feedback they need to finalise the technical criteria template.

Organisations

- CUB UK;
- Consumer Scotland;
- EV energy;
- Low carbon;
- Piclo energy;
- Nodes market;
- Flexitricity;
- Axle Energy;
- Electralink;
- British gas;
- Energy UK;
- Oaktree power;
- EV energy;

Attendance

- Attendance: 31 registered and 20 attended.
- Retention : 85%

Primacy rules

Summary

- Support for the proposed approach to developing primacy rules. - a more data-driven approach, rather than focusing on the development of specific use cases.
- Not much more feedback was given at the session in relation to the content presented.
- Attendees were pleased to see that a comms strategy was being developed to ensure that stakeholders are kept aware of developments in this space.

Organisations

- Sygensys;
- Consumer Scotland;
- Energy UK;
- Nodes market;
- Smarter grid solutions;
- Piclo;
- Flexitricity;
- Centrica;
- British gas;

Attendance

- Attendance: 28 registered and 14 attended.
- Retention : 93%

Implementation of DER visibility

Summary

- The findings from previous stakeholder engagements were presented to the group, these previous engagements identified the range of steps asset developers would have to take to harmonise the DNO-DER data exchange.
- Not much feedback was given in response to the presentation.
- However, no one expressed any concerns or disagreement with the findings from the previous stakeholder sessions.

Organisations

- Consumer Scotland;
- Energy UK;
- AMP X;
- CUB UK;
- New Flexibility technologies;
- British Gas;
- Strath;
- Sygensys;
- University of Edinburgh;
- Pod Point;
- VTS Energy;
- Smarter grid solutions;
- Flexitricity;
- Piclo energy;
- Low carbon;
- Smartest energy UK;
- GTC UK;
- Electralink;
- EV Energy

Attendance

- Attendance: 42 registered and 24 attended.
- Retention : 79%

ON Success Framework and Flex Figures

Final view of ON success criteria and implementation tracking framework and 2022/2023 Flex Figures

Avi Aithal (Head of Open Networks, ENA)

Break



Primacy Rules

Stuart Fowler (NG ESO) and Luke Harker (NG ED)
(Technical working group co-leads)

Agenda

- Comms Plan
- DNV Report
- Recap on plan
- Data Mapping Progress
- Next Steps

Comms Plan and DNV Report

Comms Plan

- Living document that will be maintained detailing approach to stakeholders and when we will communicate with them
- Approved by Technical Working Group
- To be signed off by Steering Committee today

DNV Report

- Extensive reviews by the Technical Working Group
- Recommendation to Steering Committee to approve release
- Still sorting out access to underlying data (there is lots of it)

Data Mapping Exercise- Progress

- ESO is sorting out approvals to release Aggregated BMU data to DNO's
- Group has been going through the various data items and enabling data
- Expect to approve it over summer & then release proposals to “increment 2” to include additional Use Cases
- Arranging an IT Meeting to discuss how we propose to exchange data (currently may use Data Portals)
- ESO has offered to run a PoC within the SMP Programme to test Primacy Rules in BaU (dependency on agreement of enabling data exchange)- this could increase the pace of implementation even further

Next Steps

- Continue to progress “buckets” of Use Cases grouped by data exchange requirements
- Resolve IT solution to support this
- Provide regular updates to stakeholders
- Agreement to run a PoC within the SMP Programme (with DNO’s to consider)

Questions

- Does approach sound sensible?
- Is there more that we could do to communicate progress better? E.g. would a monthly update on the website be advantageous?
- Are there any thoughts on what would increase the pace of change further?

Flexibility Products

Guy Shapland (SPEN-D) (Technical working group co-lead)

Introductions

- ENA Open Networks - Market Development - Flexibility Products Technical Working Group
- The Group Members

Flexibility Products Technical Working Group		
Laura Brown	NPg	Co-Lead
Guy Shapland	SPEN	Co-Lead
Reece Breen Begadon	ENA	
Matt Watson	NGED	
Sam Do	UKPN	
Catherine Winning	SSEN	
Keith Evans	ENWL	
Cormac Bradley	NIEN	
Aoife Bradish	ESB	
Damien Kelly	NGESO	
Apostolos Koutras	GTC/BUUK	

Session Plan

- Introduce the challenge we have
- Ask some initial questions of the group
- Explain our scope
- Introduce our approach to solving the challenge
- Check your understanding as we go along

Current Distributed Flexibility Product List

- The ENA ON have developed four distinct, standardised Distribution Flexibility Market Products

Product	DNO Requirement*	Payment and Dispatch Structure*
Sustain	To manage an ongoing requirement to reduce peak demand	Typically, dispatch is scheduled well in advance for a fixed fee
Secure	To manage peak demand on the network, usually weekday evenings	Predominantly paid based on utilisation, but with some use of availability payments also. Timing of dispatch can varies by DNO
Dynamic	To support the network during fault conditions, often during maintenance work	Typically dispatched at short notice with low availability payments and high utilisation payments
Restore	To support the network during faults that occur as a result of equipment failure	Typically dispatched at short notice with low availability payments and high utilisation payments

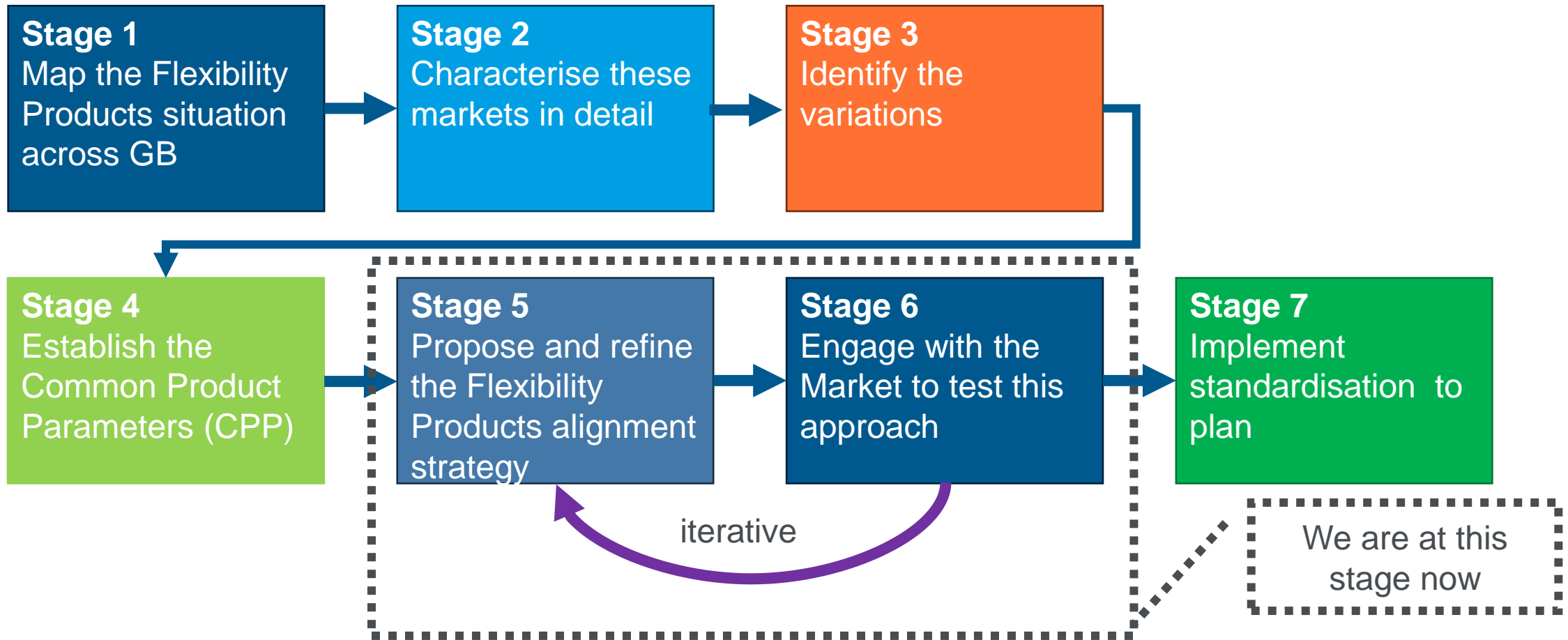
Flexibility Products Alignment

- As the GB Distributed Flexibility Services market has matured, the use cases for the standardised Distribution Flexibility Market Products has expanded
- The four Products have been used to facilitate a range of new and interesting markets increasing market fluidity extensively
- However, due to local technical reasons and/or market reasons (such as FSP capabilities) some localised deviation in utilisation approach has been taken by the Network Companies
- Responses to our Stakeholder Survey 2022 have suggested that Flexibility Service Providers (FSPs) would prefer more clarification of the difference and ideally to align the products again by definition



Approach

Approach: Alignment of the Flexible Products across GB and IRE



Stage 1: Map the Flexibility Products situation across GB

Approach continued

- For each strand a defined list of **Common Product Parameters** are described
- They provide the **characteristics** the Market Provider can utilise to describe the Flexibility Service Need
- A small, finite list of options are available to complete the definition of the Flexibility Product

- **For example:-**

- Common Product Parameter Name: Availability Payment Unit
- Aligned Definition: The Units used for Availability Payments
- Aligned Options available: £/MW/h
£/MWh
£/h

Stage 1
Map the Flexibility
Products situation across GB

Stage 1: Map the Flexibility Products situation across GB and IRE

Status of deployment as of March 2023

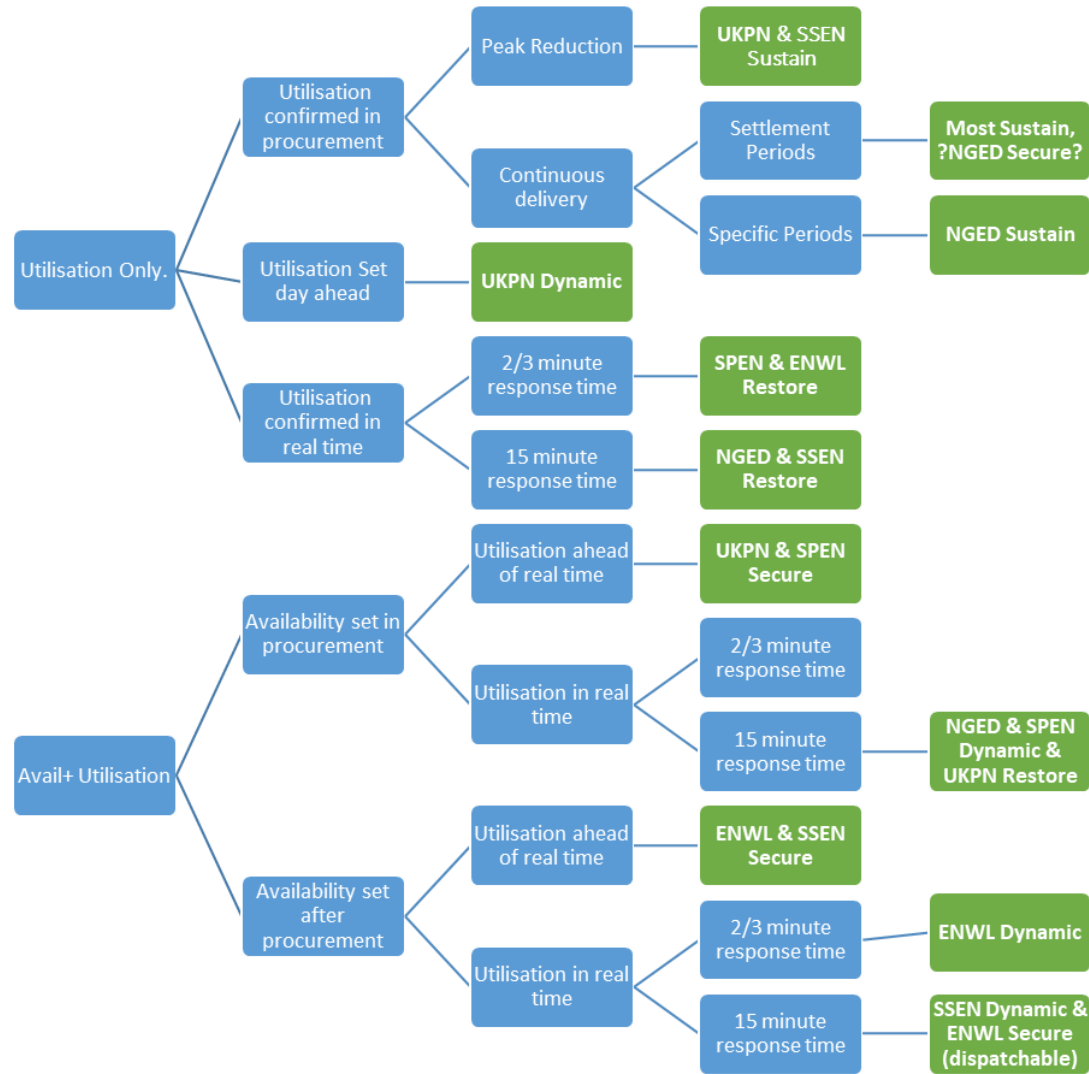
Deployment of Products by Network Company				
As of March 2023	Sustain	Secure	Dynamic	Restore
ENWL	Tendered (Not Dispatched yet)	Tendered/Progressed Procurement (Not Dispatched yet)	Tendered/Progressed Procurement (Not Dispatched yet)	Tendered (Not Dispatched yet)
SSEN	Scheduled Service	Tendered	Dispatched	Dispatched
SPEN	LV Sites to be dispatched from Nov 2023	Dispatched	Dispatched	No
NPG	Dispatched	No	No	No
UKPN	Scheduled Service	Dispatched	Dispatched	Dispatched (in testing mode only)
NGED	Completed trials BAU Tendering and progressing procurement	Dispatched	Dispatched	Dispatched (in testing mode only)
ESB	Tendering Planned Q4 2023	Tendered/Progressed Procurement (Dispatched in test mode)	Tendered/Progressed Procurement (Dispatched in test mode)	Tendered (Not Dispatched yet)
NIE	Procured but not called on it yet	Dispatched	Tendered/Progressed Procurement (Dispatched in test mode)	No

Stage 1
Map the Flexibility
Products situation across GB

Stage 2, 3 and 4 : Outcome of assessing the variations

Product Characteristic

Mapped to DNO



Stage 3
Identify the variations

Stage 2, 3 and 4 : Characterise and assess the variations

Outcome from our mapping exercise (GB)

Stage 3
Identify the variations



Payment Structure	Availability Request Timing	Utilisation Instruction and timing	Delivery Expectation	Maximum Response Time	Availability Period	ENWL	NPG	NGED	SPEN	SSEN	UKPN
Utilisation Only	-	Utilisation confirmed in procurement	Peak Reduction	-	Settlement Periods					Sustain	Sustain
		Utilisation set day ahead	Continuous delivery		Specific Periods	Sustain	Sustain	Secure	Sustain		
		Utilisation confirmed in real time			2 to 3 minute response time						Dynamic
		15 minute response time			Restore			Restore			
Availability and Utilisation	Availability set in procurement	Utilisation ahead of real time	Continuous delivery	-	Settlement Periods				Secure		Secure
		Utilisation in real time		2 to 3 minute response time							
		15 minute response time					Dynamic	Dynamic		Restore	
	Availability set after procurement	Utilisation ahead of real time		-		Secure			Secure		
		Utilisation in real time		2 to 3 minute response time		Dynamic					
		15 minute response time		Secure D*					Dynamic		

Common Product Parameters

Stage 4 : Common Product Parameters

- The products are characterised in three main strands of alignment area
 - Structure
 - Availability
 - Utilisation
- Some elements will not be aligned as they are specific to a site specific variable:-
 - Flexibility Zone
 - Distributed Energy Resource (DER)

Stage 4
Establish the
Common Product
Parameters (CPP)

Stage 4 : Common Product Parameters – Structure

Purpose	Parameter Name	Description	Options
Structure	Payment Structure	How the service is structured. (i.e. what is the DNO asking of the FSP)	Utilisation Only, Availability and Utilisation *
	When prices are set (procurement timescales)	Time before use that prices are determined	- Years, Months, Weeks, Days, - Or Operational

Stage 4
Establish the
Common Product
Parameters (CPP)

Stage 4 : Common Product Parameters – Availability (Page 1 of 2)

Purpose	Parameter Name	Description	Options
Availability	Availability Request Mechanism	How availability is requested from providers	Request initiated by DNO, Request Initiated by FSP
	Availability Request Timing	When availability is requested from providers	procurement, operational
	Availability Changes Allowed?	Can FSPs change their availability declaration post acceptance?	Yes, No
	Minimum Aggregate Unit Size	The minimum volume requirement for provision of availability	e.g. 50kW, 1MW, N/A
	Partial Availability Acceptance Possible?	Whether the DNO can accepted a portion of the offered volume	Yes, No

Stage 4
Establish the Common Product Parameters (CPP)

Stage 4 : Common Product Parameters – Availability (Page 2 of 2)

Purpose	Parameter Name	Description	Options
Availability	Time Variable Availability Volumes Allowed	Can the FSP provide different volumes for availability for the different periods within the availability window?	Yes, No
	Availability Payment Unit	The Units used for Availability Payments	£/MW/h, £/MWh, £/h
	Availability Period	The unit of time considered for Availability Instructions	EFA blocks*, Settlement Periods, Minutes

*EFA - Electricity Forward Agreement
EFA Blocks – time frames in which electricity is traded

Stage 4
Establish the Common
Product Parameters (CPP)

Stage 4 : Common Product Parameters – Utilisation (Page 1 of 2)

Purpose	Parameter Name	Description	Options
Utilisation	Utilisation Payment Unit	The Units used for Utilisation Payments	£/MWh, £/MW/season
	Utilisation Period	The unit of time considered for Utilisation Instructions	EFA blocks, Settlement Periods, Minutes
	Delivery Expectation	How the FSP is expected to respond to a utilisation instruction	<ul style="list-style-type: none"> Continuous (a sustained delivery over the entire utilisation window) Peak Delivery (targeting the maximum response that can be delivered within the window) Maximum generation cap
	Maximum Response Time	Time from Utilisation Instruction to full output	Procurement, 15mins, 2 mins
	Payments during response time?	Are FSPs paid during the response time	Yes, No

Stage 4
Establish the Common Product Parameters (CPP)

Stage 4 : Common Product Parameters – Utilisation (Page 2 of 2)

Purpose	Parameter Name	Description	Options
Utilisation	Minimum Utilisation Time	The minimum time a unit can be instructed for	60 minutes (Hour), 30 minutes (Half Hour)
	Minimum Utilisation Volume	The minimum volume that can be instructed	kW
	Utilisation Instruction Timings	Timeframes in which utilisation Instructions are communicated.	Procurement (long-term), Operational (short-term/real-time, Medium-term)
	Partial Utilisation Instruction possible	Whether the DNO can instruct a portion of the available volume	Yes, No
	Time Variable Utilisation Volumes Allowed	Can the DNO vary the utilisation instruction for the different periods within the availability window?	Yes, No

5: Propose and refine the Flexibility Products alignment strategy

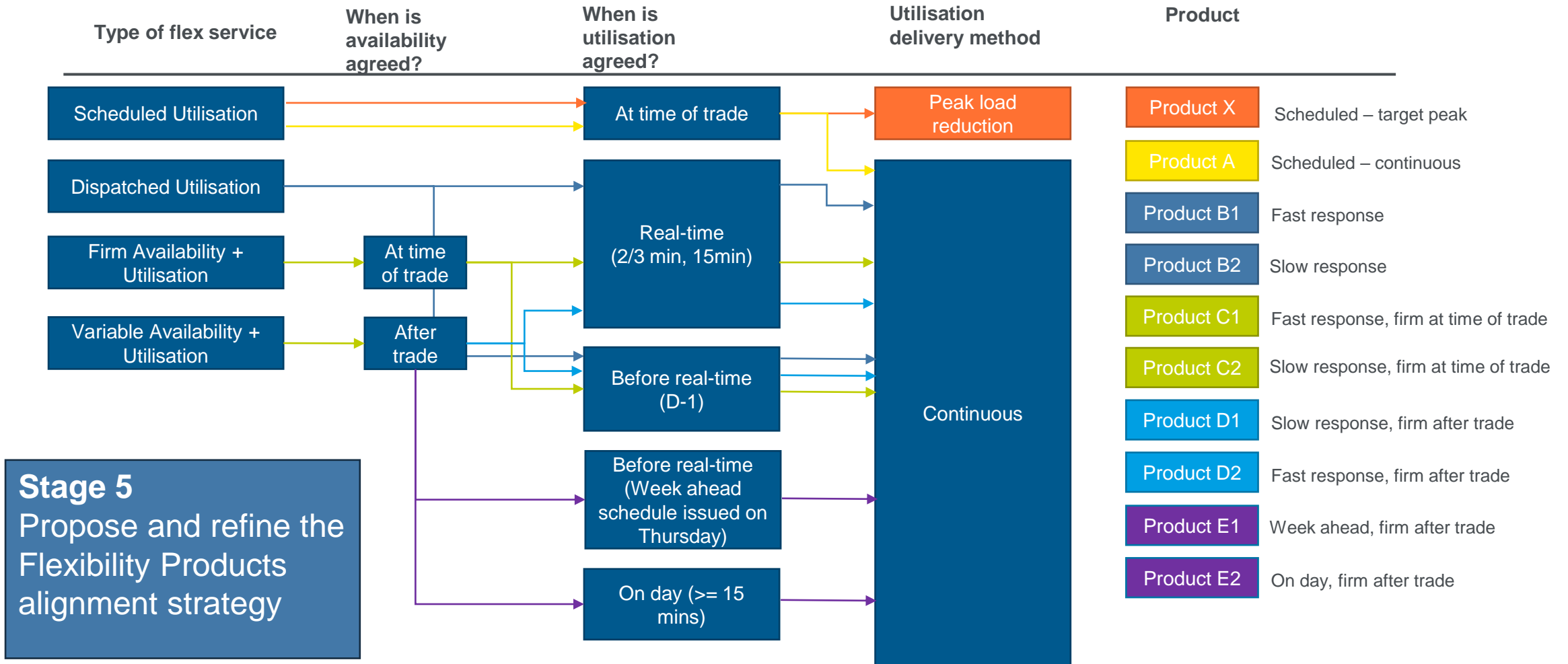
Future State – our initial proposal for consolidation

- We are proposing to refine the way we describe the products to assist the market in understanding our network need under four strands of flexibility service
 - Scheduled Utilisation
 - Dispatched Utilisation
 - Firm Availability and Utilisation
 - Variable Availability and Utilisation
- **This will take into account**
 - When the availability is agreed with the FSP
 - When utilisation is agreed
 - The utilisation delivery method

Stage 4
Establish the
Common Product
Parameters (CPP)

5: Propose and refine the Flexibility Products alignment strategy

Future State – our initial proposal for consolidation



Open Networks 2023 – Flexibility Products TWG Outcomes plan

Next steps for the Active Power Product Outcome

1. Collate the responses to the proposals
2. Make final decision on the proposal
3. Establish the implementation plan
4. Broadcast the changes to the market
5. Implement

FP TWG
 ENA Steering Group
 FP TWG and DNOs/DSOs
 ENA
 DNOs/DSOs

Key
Annual update
Development stage
Stakeholder engagement
Implementation
Continuation of group or work

Workstream	Technical working group	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Market Development	Flexibility Products	Updated active power product definition/specification												
							Implementation plan							
										Implementation and revision as appropriate				
										Flexibility Product Catalogue Stackability update		Non-standard products review		

Examples of Market Characterisations specific to Flexibility Zones

Purpose	Parameter Name	Description	Options
Technical Requirement	Product Type		Active Power, Reactive Power
	Service Direction		GTD/DTU, GTU/DTD*
	Ramp Rate	Time from Turn up to full output	
	Islanded operation capability		Yes, No
	Utilisation Likelihood	Estimation of incidence of occurrence	
	Availability Forecast		MWh
	Utilisation Forecast		MWh
Commercial Requirement	Availability Ceiling Price	The maximum availability price that can be accepted	
	Utilisation Ceiling Price	The maximum availability price that can be accepted	

Examples of Market Characterisations specific to DER

Purpose	Parameter Name	Description	Options
DER Specific	Response Time		
	Maximum Run Time		
	Minimum Run Time		

Examples of Market Characterisations specific to DER

Purpose	Parameter Name	Description	Options
DER Specific	Response Time		
	Maximum Run Time		
	Minimum Run Time		

Settlement Processes

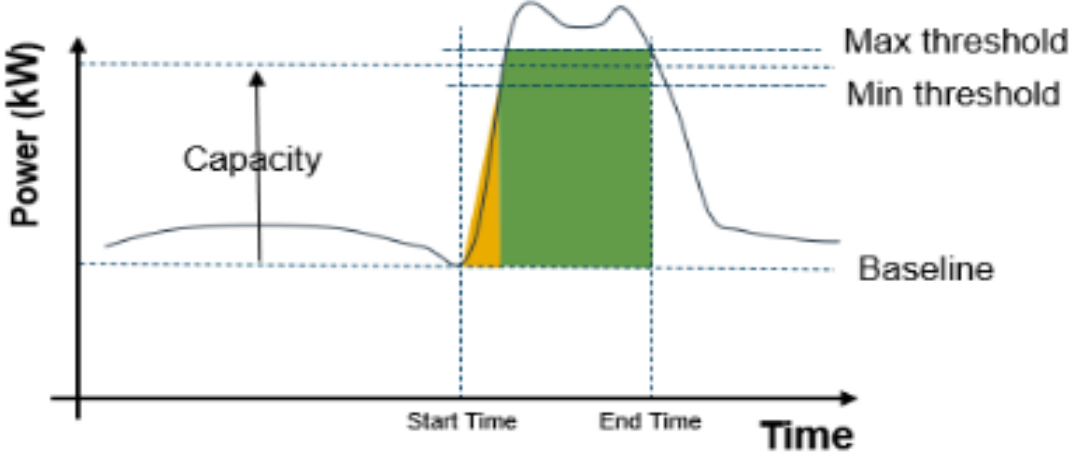
Gavin Stewart (SSEN-D) and Tariq Hakeem (NG ESO)
(Technical working group co-leads)

Settlement Overview

Introduction to Settlement

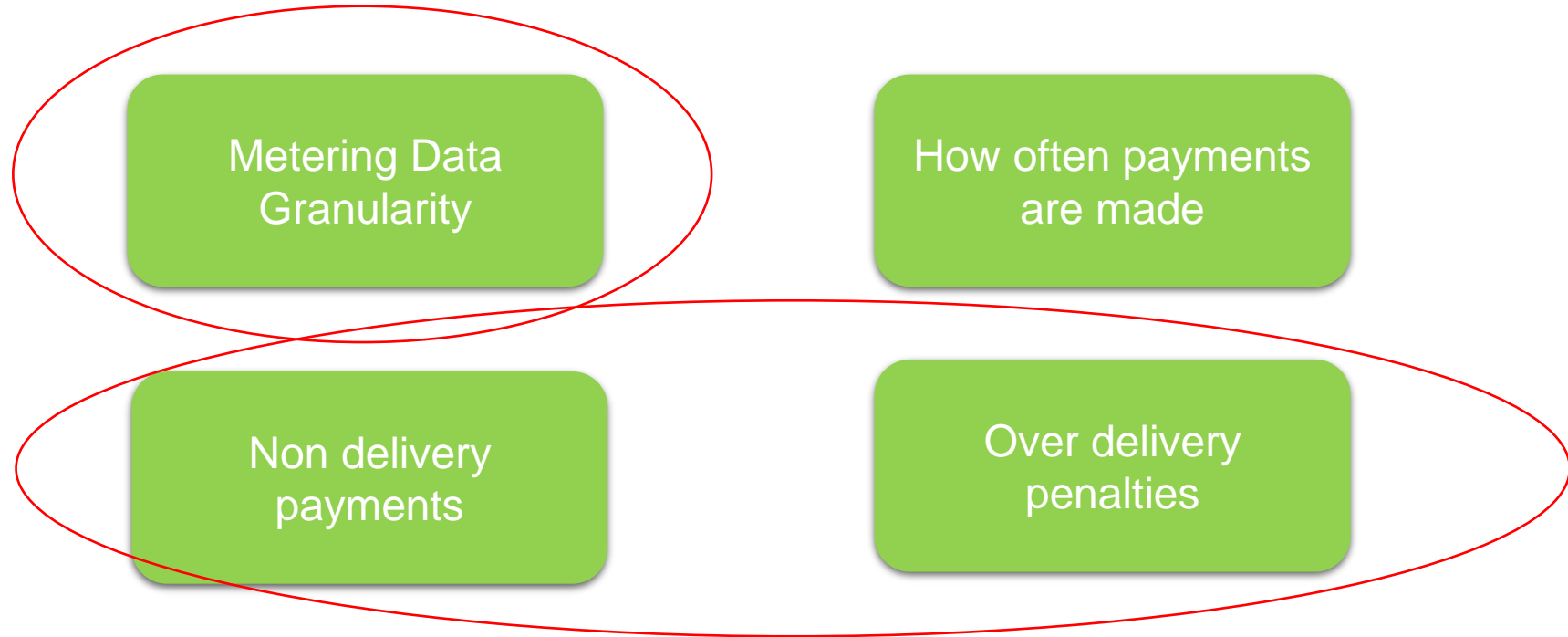
Main Outcome:

Settlement process for the standardised flexibility service products to follow common settlement process by April 2024

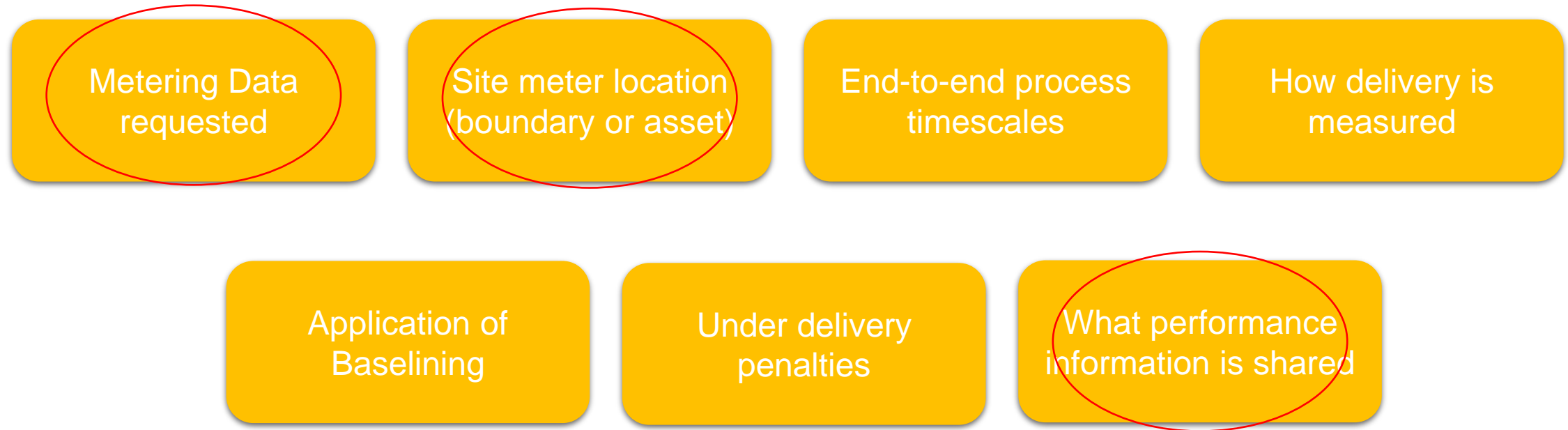


Goal 1: Stakeholder Priorities

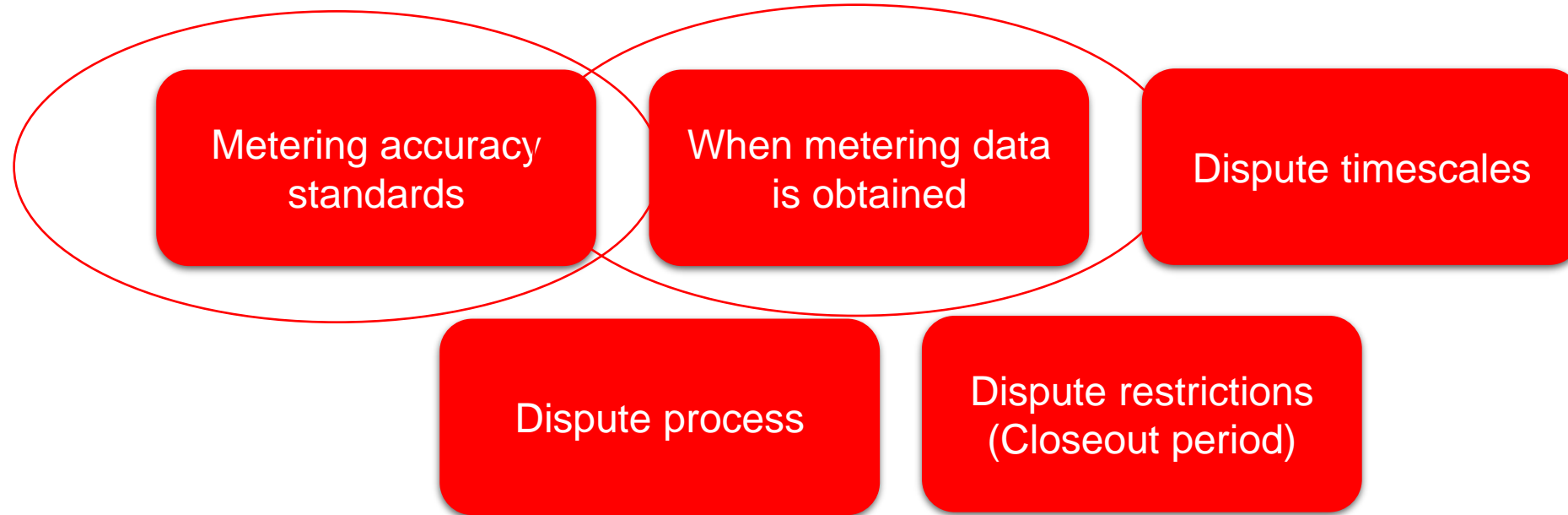
Majority of DNO's aligned



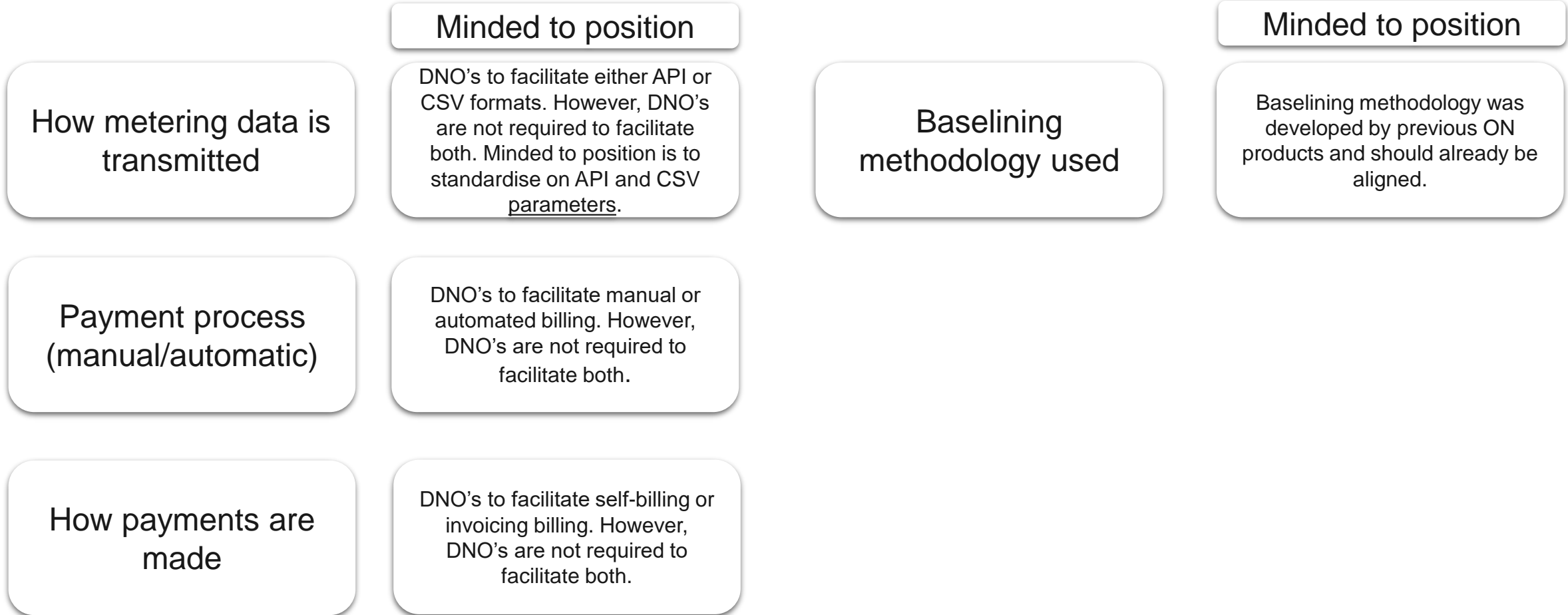
Some DNO's aligned



Few DNO's aligned



Out of Scope



Summary

No major issues with it being out of scope this year.
However, there is a view we should continue to work towards standardising on a single method for interface and billing

Minded to position

Minded to

	Minded to position	Feedback
Metering Data requested	Agree a common set of parameters, compatible with both API and CSV formats	accepted
Site meter location (boundary or asset)	DNO's to facilitate asset or boundary metering locations. However, DNO's are not required to facilitate both.	accepted
End-to-end process timescales	DNO's to agree maximum timescales for each stage in the process.	accepted

Minded to

	Minded to position	Feedback
How delivery is measured	Agree common calculation methodology for measuring delivering against baseline	accepted
Application of Baseline	Agree <u>when</u> baselining is applied	accepted
Under delivery penalties	Agree a common threshold for under delivery non-payment	accepted

Minded to

	Minded to position	Feedback
What performance information is shared	Agree on a common parameters to be shared	accepted
Metering accuracy standards	Agree on a common metering standard	accepted - Cop 11 recommended
When metering data is obtained	Agree a common timeframe for when metering data is obtained	accepted

Minded to

	Minded to position	Feedback
Dispute timescales	Align on dispute timescales (potential to be covered by Standard Agreement TWG)	accepted
Dispute process	Align on dispute process (potential to be covered by Standard Agreement TWG)	accepted
Dispute restrictions (Closeout period)	Align on dispute process (potential to be covered by Standard Agreement TWG)	accepted

Summary

Stakeholders were comfortable with minded to positions. Continued engagement as we implement would be useful.
CoP 11 recommended for Metering Standards.

Link: [New BSC Code of Practice \(CoP11\) sets standards for accuracy of Asset Metering Systems - Elexon BSC](#)

Goal 2: Metering Data

Metering Data – Minded to position

- Build on last year's work and create a standard format for .CSV file.
- Review outcome of Dispatch system Interoperability and potentially adopt API standard.
- Build on last years work and create a standard parameter list for API's.

Status monitoring of services	Operational Metering / Delivery Readings	Parameter	Example
		Service Operator	Flex Serv
		Dispatch Unit	Gen Set 5
		Start Time	5/6/2022 18:01
		End Time	5/6/2022 18:02
		Average Meter reading	10
		Service Units	MW
		Reading period	30 mins / 1 min
	Delivery Volume	5 MWh	
	Baseline		
	FSP status	Service Operator	Flex Serv
		Dispatch Unit	Gen Set 5
		Status	
		Remaining service volume	5 MWh
remaining Run time		2 Hours	

Minded to position - feedback

- 1) Are there any additional parameters required?
No comments
- 2) Are there any parameters challenging to provide?
No comments
- 3) As an FSP, do you have a preference with regards to .CSV and API?
API as preference, however, there is an understanding not all service providers can provide it.
- 4) Are there any other formats for providing data we should consider?
No comments: assume accepted

Status monitoring of services	Operational Metering / Delivery Readings	Parameter	Example
		Service Operator	Flex Serv
Dispatch Unit	Gen Set 5		
Start Time	5/6/2022 18:01		
End Time	5/6/2022 18:02		
Average Meter reading	10		
Service Units	MW		
Reading period	30 mins / 1 min		
Delivery Volume	5 MWh		
Baseline			
FSP status	Service Operator	Flex Serv	
	Dispatch Unit	Gen Set 5	
	Status		
	Remaining service volume	5 MWh	
	remaining Run time	2 Hours	

Goal 3: Performance Incentives

Performance Incentives

1) Should DNO's consider penalties for non-delivery?

Monitor performance

Remove contract

Award good performance

In terms of %, what threshold for non- delivery and for under delivery should be considered?

Baselining dominated part of this discussion

General view, 65% for non-delivery, 90% for under delivery,

Need to be made clear in the contracts and dispatch instruction.

2) For under delivery, how should penalties be applied?

(% reduction in payment, scaled based on delivery vs requested)

proportionate pay in-between if there is value to the DSO

3) Are there other incentives to consider to help avoid under/non delivery?

Incentives/penalties applied to different sized assets than smaller assets. [treating assets differently]

4) On a scale of 1 -10 (10 being very and 1 being not at all) how much does penalties restrict market liquidity?

Didn't get a number but general opinion was it would restrict the market significantly.

Implementation Tracker

[Go to tracker](#)

Q&A

Agreeing the next Challenge Group agenda

Avi Aithal
(Head of Open Networks, ENA)

Upcoming ENA events

Helen Jarva
(Open Networks Project Manager, ENA)

Upcoming ENA events

Oxford Energy Innovation Forum

19 September 2023, 09:00 – 17:00

[Register here](#) for an SSEN-hosted in-person tour and demonstration of elements of Project LEO & TRANSITION, followed by presentations of similar, flexibility-focused innovation projects from other networks.

Open Networks Insights Forum

28 September 2023

[Register here](#) to attend the next Open Networks Insights Forum on the 28th September.

Energy Innovation Summit

31 October – 01 November 2023

Join us in Liverpool for this year's Energy Innovation Summit (and Halloween!). Registration will open on the [ENA website](#) in Summer.

AOB

Useful Links

ON 2023 launch
document

2023 Detailed
work plan

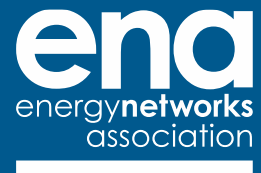
2023 Strategic
Roadmap for
Flexibility

Stakeholder
events

We welcome feedback and your input

Opennetworks@energynetworks.org

Click [here](#) to join our mailing list



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