

GSR029 - Review of Demand Connection Criteria to Align with EREC P2/7

21 November 2022

Online Meeting via Teams

WELCOME



nationalgridESO



Review of Action Log

Milly Lewis – National Grid ESO Code Administrator

Number	Action	Owner	Status
5	TOs to provide feedback on the impact assessment for group demand using Method 1 and/or Method 2 (depending on the site)	TO Reps	Open
6	TOs to advise on current practice when assessing the contribution from large power stations	TO Reps	Closed
7	TOs to assess the contribution from large power stations using the methodology in in EREP 130 and compare with the current practice to understand the impact for the change.	TO Reps	Open
10	Check what Wokingham does with the data submitted and revert to WG.	BA	Closed
11	Prepare Impact assessment on an example and try to apply it to the whole GB	BA	Closed
12	To include the Methodology for Security Contributions Large Power Stations	WG	Closed
13	Understand the impacts of ANMs schemes on group demand and security contribution calculations	WG	Closed
14	Check persistence time for the SQSS table 3.2 in GSR008	BA/ TB	Open
15	Review Imperial College Report and speak to authors for clarity	BA, AC, CL	Open
16	Understand how battery output in the ESO POUYA model is produced	BA	Open
17	Speak to ESO Pathfinder and Dynamic Containment reps to see contracts the ESO have with batteries	BA	Open
18	Update flow diagrams shared in Methodology review	CL	Open
19	Confirm which section of the Grid Code links to GSPs/ demand contracts (Operating Code 2 or Planning Code)	BA	Open
20	Confirm if the questionnaire prepared by the connections team is being used in SPT	GV	Open

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Terms of Reference

Milly Lewis – National Grid ESO Code Administrator

GSR029 – Terms of Reference

Workgroup Term of Reference
Consider whether the guidance provided in EREP 130 for assessing the security contribution to the distribution system is suitable for assessing the security contribution to the transmission system
Consider the option to review the analysis undertaken by Imperial College London when developing EREP 130
Given the materiality of typical BESS installations, provided specific guidance on the assessment of BESS demand on the transmission system and assessing the security contribution from it (noting that the security contribution from a BESS is not included in the scope of EREP 130)
Consider if there are any alternative proposals
Consider if there are consequential changes to other codes, such as the Grid Code in relation to planning data,
[ToR determined by Panel]

Review the Outstanding concerns from Workgroup 4



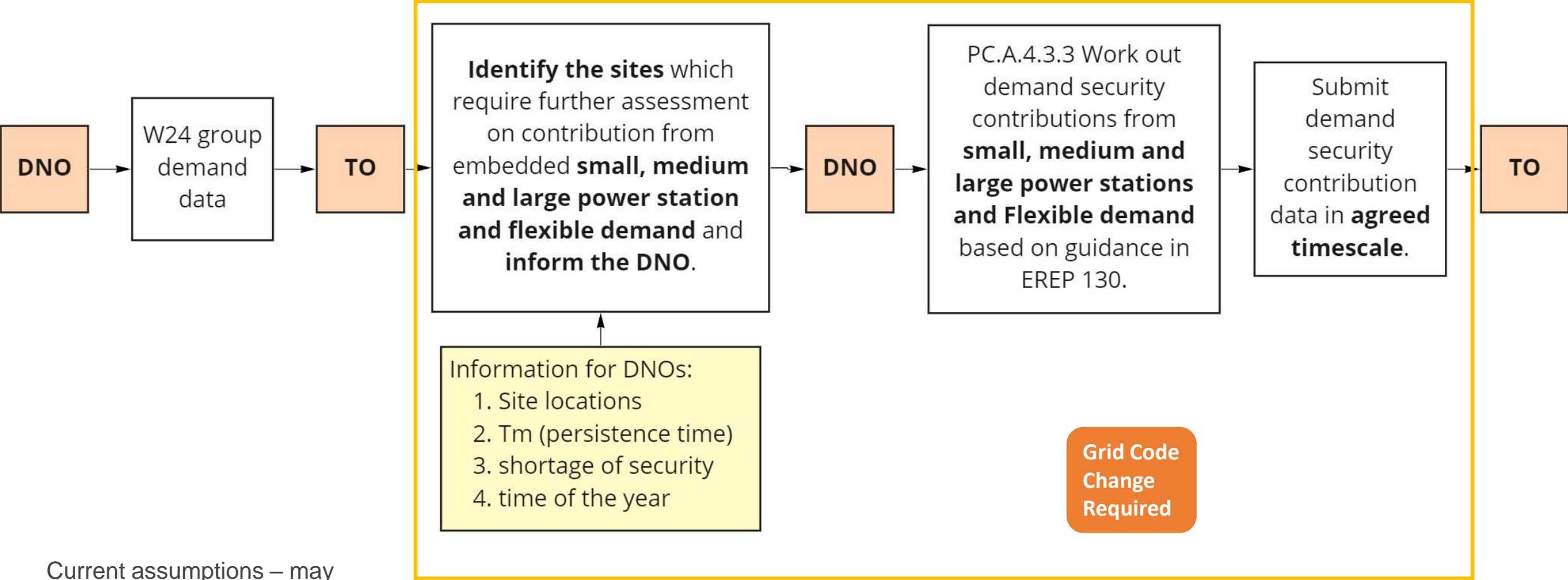
GSR029 workgroup meeting 5

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Outstanding issues

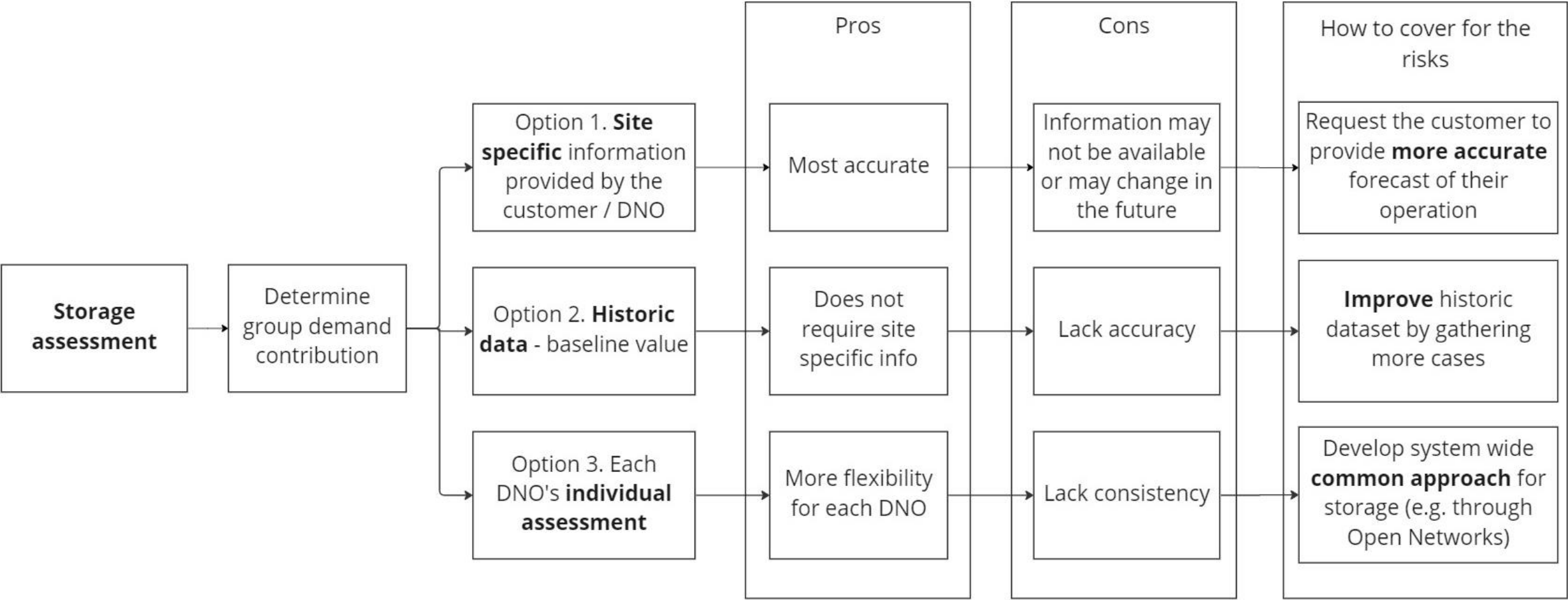
1. Demand security contribution data submission process
 - a) Responsibility between Network Operators and TOs
 - b) Timeline
2. Storage assessment
 - a) How to calculate group demand contribution
 - b) Types of contracted services storage can participate in
3. Large power station demand security contribution methodology
 - a) EREP 131 questions
 - i. T_m
 - ii. Levels of acceptable probability of delivering
4. Assessment of tertiary and TIP connected power stations
5. Demand security contribution forecast
6. Impact assessment – group demand and demand security
7. Legal text (SQSS and Grid Code)

Demand security contribution data submission process

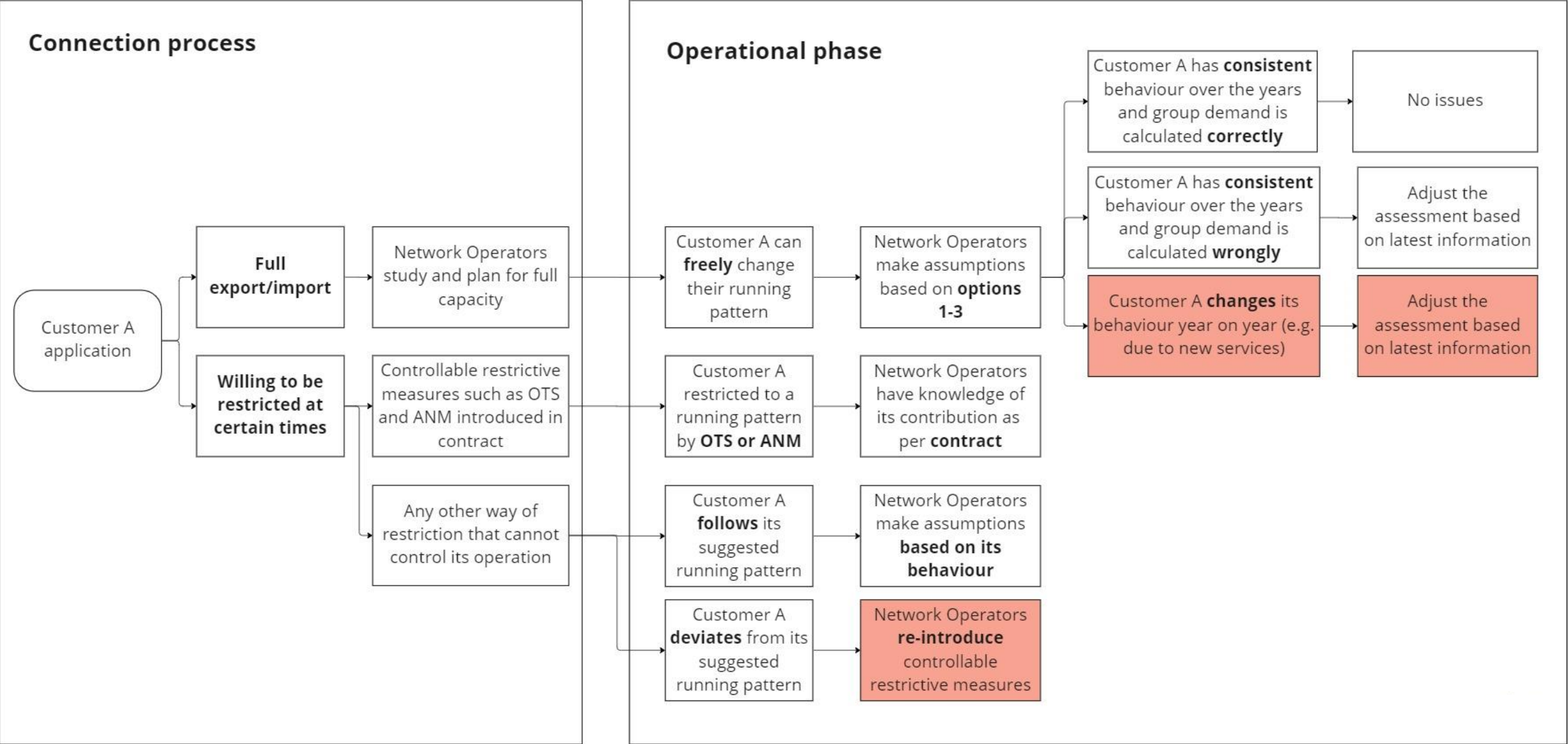


Current assumptions – may change as the solutions are being refined.

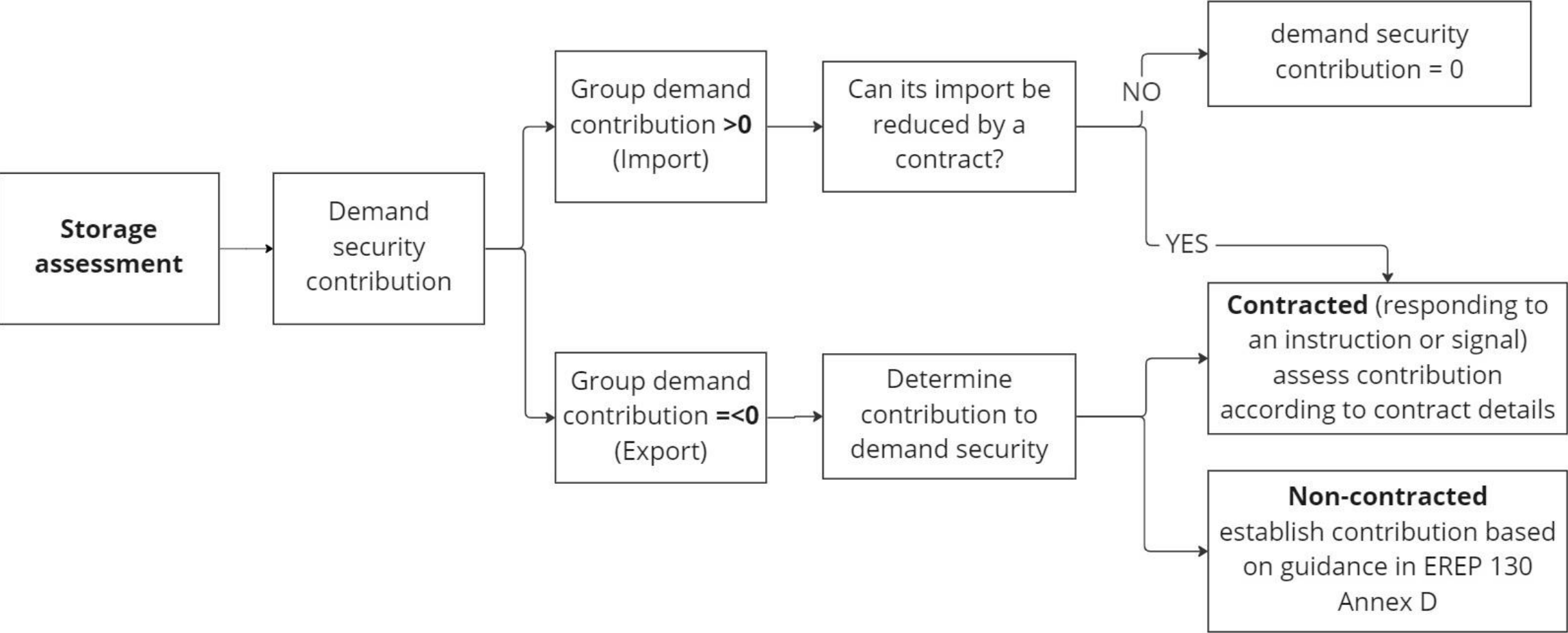
Storage assessment – group demand contribution options



Storage assessment – group demand process



Storage assessment – demand security



Review and Update Legal Text

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Next Steps

Milly Lewis – National Grid ESO Code Administrator

Objectives and Timeline

Milestone	Date	Milestone	Date
Modification presented to Panel	13 July 2022	Workgroup 9 - Discuss consultation responses, refine solution and legal text	24 March 2023
Workgroup Nominations (15 Working Days)	18 July – 5 August 2022	Workgroup 10 - Hold Workgroup vote, Finalise Workgroup Report and Legal text	17 April 2023
Workgroup 1 - Proposer's presentation, check Terms of Reference, initial review of legal text	8 August 2022	Showstopper	25 April 2023
Workgroup 2 – Refine Solution	6 September 2022	Workgroup report issued to Panel (5 working days)	28 February 2023 02 May 2023
Workgroup 3 – Refine Solution	10 October 2022	Panel sign off that Workgroup Report has met its Terms of Reference	8 March 2023 10 May 2023
Workgroup 4 – All day Workgroup	7 November 2022	Code Administrator Consultation	10 March – 04 April 2023 16 May- 16 June 2023
Workgroup 5 - Refine Solution	21 November 2022	Draft Final Modification Report (DFMR) issued to Panel (5 working days)	02 May 2023 04 July 2023
Workgroup 6 - Refine Solution	12 December 2022	Panel undertake DFMR recommendation vote	10 May 2023 12 July 2023
Workgroup 7 - Draft Legal Text review	18 January 2023	Final Modification Report issued to Panel to check votes recorded correctly	12 May 2023 14 July 2023
Workgroup 8 - Finalise Workgroup Consultation document	9 February 2023	Final Modification Report issued to Ofgem	23 May 2023 25 July 2023
Showstopper	16 February 2023	Ofgem decision	TBC
Workgroup Consultation (15 working days)	6 December – 6 January 2023 22 February – 15 March 2023	Implementation Date	TBC – in accordance with Authority timeline