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Appendix A

General roles and responsibilities of NESO and TOs

Appendix A1: General roles and responsibilities of NESO and TOs

A1.1 National Energy System Operator

NESO’s roles and responsibilities are based around its overview of the network requirements. Specific role areas are as follows:

1. analysing UK FES pathways data
2. identifying boundary transfer requirements and publishing System Requirements Forms (SRFs)
3. conducting verification studies of some boundary analysis performed by the TOs to corroborate the TOs’ analysis
4. devising and developing options including but not limited to operational options and commercial agreements as well as early development of options (see Annex 8)
5. reviewing any options recommended in a previous options assessment as “Proceed – Critical” but which have not been progressed by the transmission licensee to which the recommendation was given
6. reviewing reinforcement options and their cost estimates that the TOs propose
7. assessing outages and other factors affecting the availability of system access. These may affect the options’ Earliest in Service Dates (EISD)
8. reviewing and where appropriate challenging EISDs
9. running cost-benefit analysis studies
10. recommending reinforcement options for the first delivery pipeline of CSNP
11. lifetime least worst regrets analysis for selected reinforcement options
12. assessing for any economic benefit of earlier delivery of reinforcements or the cost of later delivery
13. assessing the carbon benefit of reinforcement options
14. calculating benefit cost ratios for reinforcement options or groups of options
15. advising on the performance of boundary reinforcement proposals in the cost-benefit analysis to facilitate further option development by the TOs
16. providing an explanation of the appropriate governance forum recommendations
17. recording details if a TO does not follow a previous recommendation
18. assessing eligibility for competition
19. producing and publishing the tCSNP2 Refresh report.

A1.2 Transmission Owners

The TOs' roles and responsibilities include:

1. producing technical analysis of boundary capabilities of the base network and uplifts from reinforcement options
2. proposing and developing reinforcement and reduced-build options
3. providing the technical information for these options to NESO
4. providing cost information and high-level breakdown for options
5. producing outage and system access requirements for options
6. providing environmental and community appraisal information for reinforcement options
7. provide support for consents and deliverability information for options
8. providing EISD data and its justification for options
9. conducting verification studies of some boundary analysis performed by NESO to corroborate NESO's analysis of alternative options
10. supporting NESO with challenge and review of reinforcement options
11. undertaking stakeholder engagement (following review of draft outputs of the tCSNP2 Refresh outcome)
12. conducting community engagements
13. reviewing draft tCSNP2 Refresh reports and appendices related to TO options.

Appendix A2: Report drafting

A2.1 Report drafting

1. NESO drafts the tCSNP2 Refresh report but the responsibility for the content varies between NESO and TOs. The form of the report is subject to consultation, and to Ofgem's approval.
2. The component parts of the chapters covering options and their analysis and the responsibilities for producing the material are in Table A2.

Table A2: Areas of Responsibility

	Build options	Alternative options	Offshore	Comments
Options: Status of the option (scoping, optioneering, design, planning, construction)	TO	NESO/TO	NESO	
Options: Technical aspects – assets and equipment	TO	NESO/TO	NESO	
Options: Technical aspects – boundary capabilities	TO	NESO/TO	NESO/TO	
Options assessment	NESO	NESO	NESO	Leads to investment recommendations for TOs
Options: Comparison of the options	NESO	NESO	NESO	
Options: Competition assessment	NESO	NESO	NESO	