

OFFSHORE WIND ACCELERATOR S4Y5

Clarification Question Responses

TWG-E – Triggers of Sub-Synchronous Oscillation (SSO) Events

11/06/24



#	Type	Question	Response
1	Project specific	Please can it be clarified what the OWA expects this project to deliver in providing "more availability and transparency of the TSO network model and OEM control models." Is it limited to recommendations and guidance that the contractor believes could improve these things? Or does the OWA expect this project to achieve material changes in the information shared by TSOs and OEMs? Is this intended to summarise the WP2 activity, or does it represent something further?	We understand this may be a challenge, however, through this project it is expected to open further lines of communication between the parties considered here and to encourage further transparency concerning these models.
2		Does reference to "the TSO network model" mean those models maintained and managed by the TSOs themselves? If so, how does the OWA expect an improvement in those models to be confirmed? Is this intended to summarise the WP2 activity, or does it represent something further	Yes, or a model of similar quality that can be ratified with the parties mentioned. The stakeholder engagement is key to the projects outcomes, and it is the intention to be defined in WP2 how we proceed with the remainder of the project.
3		Should TSO be taken to mean all GB onshore and offshore Transmission Network Owners plus the Electricity System Operator, either individually or collectively?	The aim was to simulate with an onshore model. Engagement is expected with NGENSO & any other organisation deemed applicable.
4		Is the project to focus on achieving the stated goals in the GB context only, for example by reference to the GB Grid Code? Or does the OWA expect outputs applicable in other countries with different grid codes?	It is preferable to have both a GB context and one other international example.
5		Is the project to focus only on sub-synchronous oscillations? Guidance on oscillation provided by ESO is more expansive than SSO alone and review of this and other activities relating to larger	If other interaction frequencies are deemed relevant by the contractor, this should be highlighted in the bid/interview stage.

	small signal analysis are inferred in the detailed scope- are all relevant interaction frequencies to be considered?	
6	Does the OWA accept that the contractor cannot compel the TNOs or ESO to attend any workshop and therefore that satisfactory project delivery is based on best efforts to organise the workshop, without guarantee that all invited stakeholders will attend?	Indeed, however it is pivotal to the success of the project.
7	The scope of work asks for agreement by the TSO/ESO on various topics, and the establishment of standardised approaches for software version control. Does the OWA accept that the contractor will produce recommendations and guidance on these matters but acceptance of such by the TSO/ESO is outside the contractor's control?	The contractor should ensure the parties mentioned are consulted to inform the recommendations and guidance.
8	What information is expected to be included in the SSO case studies that may be provided by the Carbon Trust or OWA Partners?	Site-specific high-level data will be provided based on developer experience, the contractor is expected to fill gaps based on their experience.
10	WP4 and WP5 are defined as "optional". How would CT wish these are quoted for as "additional work" that is separately costed/programmed? Or is it the case that the prospective contractor should evaluate the extent to which this is required during earlier work packages/during the bid? When would the adoption of these optional work packages be confirmed, or should a milestone be identified within the proposal. Finally, within earlier activities, simulation work is inferred, for example in the recommendation/evaluation on the analysis of oscillation analysis	WP4 & 5 are to be included in the guide price. The optional work packages will be triggered at the discretion of the OWA partners following WP3.

within case studies should this be separately included within the relevant non-optional work packages?

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How are work packages relying on OWA and TSO data to manage the risk that data is not made available? Or are you confident that sufficient data is available to support this work already?

A plan should be devised based on the best available data to the project. 'Sufficient' data is subjective, the contractor is expected to understand how they plan to tackle the problem independently if necessary.

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