

Question No.	Question	Response
1	When you are indicating that a commercial relay should be programed – could the solution be any controller device (DSP, PLC, other) with the algorithm or firmware with the novel protection programmed.	The bidder may propose what they feel is the most appropriate solution to this, The bidder should also be prepared to discuss with the TWG-E technical experts on the optimal solution
2	For the validation of the Working Package 3, could a validation be performed based on a HIL platform (hardware in the loop) system?	The bidder may propose what they feel (again) is the most appropriate solution here within the constraints of the budget. This would be an appropriate solution. The bidder should also be prepared to discuss with the TWG-E technical experts on the optimal solution.
3	Where there is no available cost information to scope a demonstration, could the bidder propose a procedure that must be followed to evaluate the behavior of the system in a laboratory?	This would be appropriate where accurate costs can not be provided. A plan with detail on how to execute would be appropriate. For this work package the bidder should expect that this may be used to advise on follow-on work following completion of the project.
4	Is this assessment expected to be based on publicly available information or will the TWG provide own information on case studies? (In many cases such information on actual cases may be considered sensitive and confidential.)	This can be one or both. It would be good for the bidder to clarify this in their proposal.
5	In the literature market evaluation, WP1, should the work only consider the Type 4 WTGs or can for example Type 3 also be there, when investigating the associated SSO/SSRs? The same question applies when performing “an assessment of case studies and examples of the SSO/SSR issue..”.	Type 3 can be brought into the evaluation where there are lessons that can be brought forward into the application of Type-4 WTGs; however, the focus of the work should be on Type-4 WTGs
6	Is the modelling requirement for PSCAD or can other modeling software such as Matlab/Simulink?	The bidder can propose other software where they feel it is appropriate.

7	Will the PSCAD model be white-box or black box? Would it be possible/required to customize the model to suit the case studies?	The model should provide enough information to conduct studies under this project and is not black boxed. There may be a requirement to adjust these models. Note that where possible, the bidder may be asked to propose contingency should the models not be to the standard they would expect for these studies.
8	Can we assume that the provided PSCAD models have been verified in previous work and therefore not plan any room in terms of effort / time / budget for adjustments to the model? Can you confirm that this is the intended approach?	The bidder can assume this.
9	Can we assume that the WTG will be using grid-following control? And grid-forming WTGs is not part of the study?	the models have grid following and grid forming control. The main focus should be on grid following turbines.
10	What is the definition of system and local level? The whole wind farm is system level, while local level indicates the individual WTG?	This understanding is correct. More discussion can be had on this during interview and kickoff stage.