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| **C:\Users\anthony.bivens\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Outlook\08QW2NOF\SNP Logo.jpg** |  | **Date of Submission** |
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| **NIA Project Registration and PEA Document** |
| *Notes on Completion:* Please refer to the **NIA Governance Document** to assist in the completion of this form. Please use the default font (Calibri font size 10) in your submission. Please ensure all content is contained within the boundaries of the text areas. The full-completed submission should not exceed 6 pages in total.  |
| **Project Registration** |
| **Project Title**  |  | **Project Reference** |
| [Brief title – focused on main topic/technology/problem] | **NIA\_NGET00xx** |
| **Funding Licensee(s)** |  | **Project Start Date** |  | **Project Duration** |
| National Grid Electricity Transmission |  | Month year |  | Months / years  |
| **Nominated Project Contact(s)** |  | **Project Budget** |
|  Name - box.eto.innovationteam@nationalgrid.com |  | £ k |
| **Problem(s) State the main problem / technology / issue to be solved** |
|  |
| **Method(s) Explain the why the Method to solve the problem has been selected** |
|  |
| **Scope Deliverables – outline the R&D scope of work for this project** |
|  |
| **Objective(s) Please be aware the Objective cannot be changed or amended on future change controls** |
|  |
| **Success Criteria Please be aware the Success Criteria cannot be changed or amended on future change controls** |
|  |
| **Technology Readiness Level at Start** **Select the appropriate TRL at project start** |  | **Technology Readiness Level at Completion****Select the appropriate TRL at project completion** |
| **TRL 2 or 3:** Applied research driven by a desire to broaden scientific and technical knowledge for application on the network, related to an identified problem. It typically includes investigating the underlying foundation of phenomena and observable fact **TRL 4, 5, or 6:** Development activities with a more commercial application including technology validation and or demonstration in a working environment **TRL 7 or 8:** Full scale demonstration in a working environment to test and improve technologies so they are ready for commercial deployment **TRL 9:** Application of technology in its final form, i.e. the technology has been proven.  |  | **TRL 2 or 3**: Applied research driven by a desire to broaden scientific and technical knowledge for application on the network, related to an identified problem. It typically includes investigating the underlying foundation of phenomena and observable fact **TRL 4, 5 or 6:** Development activities with a more commercial application including technology validation and or demonstration in a working environment **TRL 7 or 8:** Full scale demonstration in a working environment to test and improve technologies so they are ready for commercial deployment **TRL 9:** Application of technology in its final form, i.e. the technology has been proven.  |
| **Project Partners and External Funding** |
|  |
| **Potential for New Learning Please indicate if the new learning will benefit other network licences, as well as NG** |
| [NOTE: this information can be used and reworded in question 2a below] |
| **Scale of Project Briefly explain why the scope of work is necessary in order to provide the desired outputs**  |
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| **Geographical Area Desk based and/or trial in working environment? (specific NG site details NOT required)** |
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| **Revenue Allowed for in the RIIO Settlement**  |
| None |
| **Indicative Total NIA Project Expenditure Input from A3 Summary spreadsheet (external + internal costs)** |
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| **Project Eligibility Assessment** |
| **Specific Requirements 1** |
| **1a. A NIA Project must have the potential to have a Direct Impact on a Network Licensee’s network or the operations of the System Operator and involve the Research, Development, or Demonstration of at least one of the following (please tick which applies):** |
| A specific piece of new (i.e. unproven in GB, or where a Method has been trialled outside GB the Network Licensee must justify repeating it as part of a Project) equipment (including control and communications systems and software) | [ ]  |
| A specific novel arrangement or application of existing licensee equipment (including control and/or communications systems and/or software) | [ ]  |
| A specific novel operational practice directly related to the operation of the Network Licensees System | [ ]  |
| A specific novel commercial arrangement | [ ]  |

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| **Specific Requirements 2** |
| **2a. Has the Potential to Develop Learning That Can be Applied by all Relevant Network Licensees** | [x]  |
| Please answer one of the following:  |
| i) Please explain how the learning that will be generated could be used by relevant Network Licenses. |
|  |
| ii) Please describe what specific challenge identified in the Network Licensee’s innovation strategy that is being addressed by the Project.  |
| This project fits within the **(chose from below)** value area of the Electricity Innovation Strategy:Managing Assets - Managing assets throughout their lifecycleEfficient Build - Building new assets faster and at lower capital and whole-life costsService Delivery - Developing new service-based propositions and business modelsCorporate Responsibility - Doing the right thing |
| Is the default IPR position being applied? |
| Yes | [x]  |
| No | [ ]  |
| If no, please answer i, ii, iii before continuing: |
| i) Demonstrate how the learning from the Project can be successfully disseminated to Network Licensees and other interested parties |
|  |
| ii) Describe any potential constraints or costs caused or resulting from, the imposed IPR arrangements |
|  |
| iii) Justify why the proposed IPR arrangements provide value for money for customers |
|  |
|  |  |
| **2b. Has the Potential to Deliver Net Financial Benefits to Customers** | [x]  |
| Please provide an estimate of the saving if the Problem is solved. |
|  |
| Please provide a calculation of the expected financial benefits of a Development or Demonstration Project (not required for Research Projects). (Base Cost – Method Cost, Against Agreed Baseline). |
|  |
| Please provide an estimate of how replicable the Method is across GB in terms of the number of sites, the sort of site the Method could be applied to, or the percentage of the Network Licensees system where it could be rolled-out. |
|  |
| Please provide an outline of the costs of rolling out the Method across GB. |
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| **2c. Does Not Lead to Unnecessary Duplication** | [x]  |
| Please demonstrate below that no unnecessary duplication will occur as a result of the Project. |
|  |
| If applicable, justify why you are undertaking a Project similar to those being carried out by any other Network Licensees.  |
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