Attachment 1

ISO New England Planning Procedure 5-5

**DATA COLLECTION FORM FOR REMEDIAL ACTION/AUTOMATIC CONTROL SCHEMES**

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| --- | --- | --- | --- |
| RAS/ACS Name: |  | | |
| Proposed Action (addition, functional modification, or retirement): | | |  |
| **General RAS/ACS Information** | | | |
| Each entity that owns all or part of the RAS/ACS is considered a RAS/ACS-entity. For example, a RAS that senses flow on a transmission line and trips a nearby generator would have at least two RAS-entities: the transmission line’s owner (owner of the sensing equipment), and the generator’s owner (owner of the equipment which trips the generator).  For each RAS/ACS-entity, please provide contact information as follows:   |  |  |  |  | | --- | --- | --- | --- | | RAS/ACS-Entity Name | Individual Contact Name | Phone Number | Email Address | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | | | | |
|  | | |  |
| Expected In-Service Date (or Retirement Date for retirements): | | |  |
| PPA Approval Date for most recent change or initial creation of RAS/ACS (for functional modifications only): | | |  |
| **Purpose of RAS/ACS** | | | |
| System performance issue/reason for adding/modifying/retiring RAS/ACS, including a description of the contingencies or system conditions for which the RAS/ACS was designed and intended to remedy (i.e. initiating conditions): | |  | |
| NERC TPL compliance study, Needs Assessment, and/or other study showing the need for this RAS/ACS addition/functional modification/retirement as part of a Corrective Action Plan: | |  | |
| **Details of RAS/ACS Triggers and Actions** | | | |
| Conditions under which RAS/ACS will be armed: | |  | |
|  | |  | |
| Events that will cause RAS/ACS to act: | |  | |
|  | |  | |
| Actions taken by RAS/ACS: | |  | |
|  | |  | |
| Will this RAS/ACS be a Type I, Type II, or Limited Impact RAS/ACS? | |  | |
|  | |  | |
| Justification for Type I/Type II/Limited Impact designation: | |  | |
|  | |  | |
| Further explanation of RAS/ACS’s triggers, actions, or effects on system performance (if required): | |  | |

Along with this application, please provide sufficient documentation to fully describe the following:

* Information such as maps, one-line drawings, substation and schematic diagrams that identify the physical and electrical location of the RAS/ACS and related facilities\*
* Applicable equipment used for detection, DC supply, communications, transfer trip schemes, logic processing, control actions, and monitoring\*
* Detection logic and settings/parameters that control the operation of the RAS/ACS
* Evidence that any multi-function device used to perform both RAS/ACS functions and other functions (such as protective relaying or SCADA) does not compromise the reliability of the RAS/ACS when the multi-function device is not in service or is being maintained\*
* For a non-limited-impact RAS/ACS, the actions that the RAS/ACS will take following a single component failure in the RAS/ACS when the RAS/ACS is intended to operate. A single component failure in a RAS/ACS not determined to be limited impact must not prevent the BES from meeting the same performance requirements (defined in Reliability Standard TPL-001-4 or its successor) as those required for the events and conditions for which the RAS/ACS is designed. The documentation should describe or illustrate how the design achieves this objective.
* The functional testing process used or proposed for testing the RAS/ACS\*
* Any future planned system modifications that will affect the RAS/ACS

\*This documentation is required for any new or functionally modified RAS~~/ACS~~, but not for the data submission for existing RASs described in PP5-5 section IV. These items are also not required for submissions related to ACSs, or for submissions for RASs that do not remediate, or for which an inadvertent operation or a failure to operate does not cause, performance issues on the BES or BPS.