

Description of Changes to Appendix K

Application Requirements:

Requirement b.

Added hybrid option selections in alignment with the recent storage order.

Requirement c.

Relocated previous requirement “m” and consolidated information asked elsewhere within the document.

Requirement d (previous g)

Edited to require both AC and DC components. Merged ESS data request with this and deleted previous item f requesting such.

Requirement e (previous c)

Added request for state of charge level requirements.

Requirement f (previous d)

Added the request for round trip efficiency percentage of ESS.

Requirement g

Added new request for detail description of control schemes and electrical configurations to define any special characteristic such as time of day discharge restrictions, output restrictions, ramp rates, etc.

Requirement l

New request for inverter analytical models developed for use in standard power flow and fault analysis software if available.

Requirement n

Updated IEEE reference to reflect current applicable addition. Added CSIP requirement for standards gap coverage.

Requirement o

Updated for clarity.

Previous requirement n

Requirement “n” main statement, sub sections 1, 2, and 3 recommended for deletion. These segment items describe the requirement for inverters to be certified and reference the “PSC list”. Suitable practice has been established and elsewhere in the SIR this is covered.

System Operating Characteristics:

Previous requirement a

Moved this request to Application Requirements segment

Requirement a (previous b)

Added the requirement to disclose any equipment loads such as heating or cooling. Also, some editorial changes.

Requirement b (previous c)

Edited language to request this setting from the applicant as well as performance data. Added a unit value for this information. Added statement that the worse-case performance setting of the ESS will be utilized if other value not proposed.

Requirement c

This is a new request. This requires detail information on the charge and discharge performance as well as the real and reactive power operational capabilities of the ESS.

Requirement d (previous d)

Edited language to clarify intent. Operational characteristics such as rate of charging and discharging events and maximum power swings are of interest to the utility when modeling these systems.

Requirement e (previous e)

Added statement that worse case period will be utilized absent any operational limitations.

Requirement g

New request for description of systems with intent on participating in multiple use cases or programs.

Requirement h

New request for identification of ride through capabilities and transfer capabilities.

Requirement i (previous part g)

Separated statement requiring documentation to prove effective grounding configuration clarity.

Requirement m (previous k)

Added additional data model information.

Market Participation:

Modified question "a" for added clarity.

Expanded question "b" to gain further information to assist in modeling and performance evaluation of ESS based on expected performance and/or event triggers.