

# Periodic Tests and Verification



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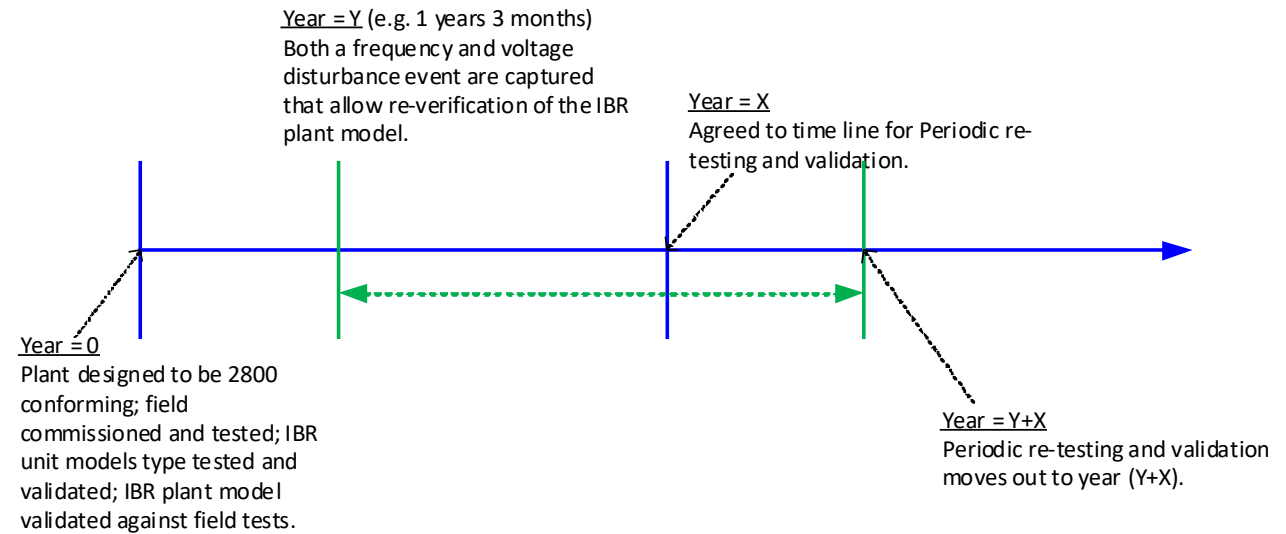
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# Periodic Tests



- Periodic tests should be conducted to reassess conformity of the IBR plant with requirements specified in IEEE Std 2800
- The periodicity of testing should be mutually agreed between TS owner/TS operator and IBR owner or as required by applicable regulatory standards.
- If during the period since the last testing, and before the next periodic testing is due, IBR plant model validation and IEEE Std 2800 conformity assessment were performed based on system disturbance(s) the timeline for the next periodic testing should be reset.



# Periodic Verification



- Periodic verification takes place following any substantial changes, as defined by the TS owner or the TS operator, to the IBR plant.
- Periodic verification confirms that the as-modified IBR plant continues to meet the requirements of IEEE Std 2800.
- After any substantial change to the IBR plant, the IBR plant model should be updated to reflect the change.
- Elements of the conformity assessment procedures may need to be repeated as appropriate to verify capability and performance requirements in case of augmentation or retrofitting of IBR plants.

# Periodic Verification



- Depending on the nature of an IBR plant change, engineering review should be performed to determine which, if any steps should be repeated, i.e.
  - design evaluation
  - commissioning tests
  - IBR plant model validation
  - IBR plant model verification
- Care should be taken during IBR plant routine firmware updates to verify that PPC and IBR units' settings in the IBR plant do not automatically reset to default settings (as opposed to site specific “as-built” settings).



THANK  
YOU

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