

Explanation:

Unit	Generating unit, for example wind turbines, photovoltaic inverters or combined heat and power plants (CHP)
Plant	Generating plant, consisting of one or more units connected to the same PCC (Point of Common Coupling)
TG	Technical Guideline of the FGW e.V. (Fördergesellschaft Windenergie und andere Erneuerbare Energien)

1.) To issue a prototype confirmation we need the following documents and information:

- Information and address of the prospective certificate holder (normally the manufacturer)
- Documents relevant for assessment (for example test reports, simulation models, documentations, technical descriptions, data sheets)
- First commissioning date of the prototype

2.) For the model validation we need the following documents and information:

- Information and address of the prospective certificate holder (normally the manufacturer)
- Complete test report of the electrical properties according to TG3 from the measuring institute accredited to EN17025
- Measuring results (raw data) according to TG3 for the validation of the simulation model or prepared raw data including a manufacturer declaration for non-modification of the raw data
- Executable decrypted and encrypted simulation model of the unit in DlgSILENT Power Factory or MATLAB Simulink/SimPowerSystems including the documentation and model description

3.) To issue a unit certificate we need the following documents and information:

- Information and address of the prospective certificate holder (normally the manufacturer)
- Documents relevant for assessment (for example technical documentations, descriptions, data sheets, manufacturer declaration)
- Specification of the guidelines the certificate should be issued for
- Prototype confirmation, if this was not issued by ABE
- Certificate according to DIN EN ISO 9001 for the manufacturing of units including a declaration of the maintenance for the period of validity of the unit certificate to be issued
- Certificate of the measuring institute according to EN17025 for the duration of the measurements



- Complete test report of the electrical properties according to TG3 from the measuring institute accredited to EN17025
- Complete validation report if the validation of the simulation model is done by another company than ABE
- Executable decrypted and encrypted simulation model of the unit in DigSILENT Power Factory or MATLAB Simulink/SimPowerSystems including the documentation and model description
- If any certified component has to be integrated into the unit certificate, the valid component certificate including the test report, manufacturer declaration and if applicable validated simulation model are required

4.) To issue a component certificate we need the following documents and information:

- Information and address of the prospective certificate holder (normally the manufacturer)
- Specification, which functions of the component should be certified
- Technical documentation and description of the component
- Specification of the guidelines the certificate should be issued for
- Certificate according to DIN EN ISO 9001 for the manufacturing of components including a declaration of the maintenance for the period of validity of the component certificate to be issued
- Certificate of the measuring institute according to EN17025 for the duration of the measurements
- Complete test report of the electrical properties according to TG3 from the measuring institute accredited to EN17025
- System-theoretical description (e.g. block diagram), that accurately and adequately describes the function of the component
- Measuring results (raw data) according to TG3 for the verification of the system-theoretical description or prepared raw data including a manufacturer declaration for non-modification of the raw data
- If any certified component has to be integrated into the component certificate, the valid component certificate including the test report, manufacturer declaration and if applicable validated simulation model are required

If the component has an impact on the properties for the fault ride through (FRT) of a unit or a park we need additionally the following documents and information:

- Measuring results (raw data) according to TG3 for the validation of the simulation model or prepared raw data including a manufacturer declaration for non-modification of the raw data



- Complete validation report, if the validation of the simulation model is done by another company than ABE
- Executable decrypted and encrypted simulation model of the unit in DlgSILENT Power Factory or MATLAB Simulink/SimPowerSystems including the documentation and model description

ABE Zertifizierung GmbH is committed to use the information confidentially.

The information and documents can be submitted by post, fax or E-Mail to the following contact:

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Thank you for your efforts.

ABE Zertifizierung GmbH

