

CBC DECISION/CLARIFICATION SHEET

Subject: Wind turbine type designation	Standard and clause: IEC 61400-22	Sheet No. CBC 4C
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Related document: DNV DSS-904: January 2012 Sec.3 I300		

IEC 61400-22 does not give any advice regarding limits for a type certificate i.e. which changes will require a new type certification including new measurement and tests. Hence, the following guideline may be applied:

Modifications to a wind turbine for which a Type Certificate has been issued are permitted only if they do not change or affect the principal characteristics at all, or if they change or affect the principal characteristics within the extent specified in the applicable design code or standard.

Below are examples of changes which will normally require a new Type Certificate:

- *a change in rotor diameter by more than 2%*
- *a change in rotor rotational speed by more than 2%*
- *a different design of safety system*
- *a different way of limiting the power output*
- *modified blade profiles*
- *modifications which lead to a significant increase in the load spectrum*
- *increase of the rated power output by more than 5%.*

The impact on loads and strength shall be evaluated for any change in rotor diameter, rotor speed and/or power output. Additional measurements and tests may thus be avoided.