

Exemption from requirements in technical regulation TF 3.2.1

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SFJ/AKN

With effect from 1 January 2011 Energinet.dk changed its terms for electricity generating plants delivering power via an inverter. The changed terms involves that the protection functionality df/dt (ROCOF) and the external stop (opportunity to disconnect via external signal) must be observed in accordance with technical regulation TF 3.2.1.

During the time up to and after 1 January 2011 Energinet.dk has had a positive dialogue with the industry about the technical solutions which observes the changed terms.

In dialogue with the industry the following has been put forward:

- Inverters with df/dt (ROCOF) and opportunities for external stop are under technical development and are expected to be on the market during 2011.
- The interim solution with installation of extra equipment for df/dt (ROCOF) and the external stop is not available as a standard product.
- The interim solution requires further installation site which is often sparse in ordinary detached single-family houses.
- The interim solution will raise the price for the total plant.

Based on this Energinet.dk has decided to exempt from the demand for df/dt (ROCOF) and external stop for electricity generating plants via inverter. The exemption is valid until and including 31 December 2011. In the intermediate period the inverter must be equipped with the alternative island operation protection, cf. VDE 0126 (ENS).

In the exemption period Energinet.dk will initiate an increased dialogue with relevant industrial associations and suppliers of inverters in order that inverters will in future be able to comply with technical regulation TF 3.2.1.

Yours sincerely



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