
Technical Requirements for Producers and Consumers in an Electricity System with a Large Share of Renewable Energy

Project

Duration

Jul 2015 - Jul 2018

The pending transformation of the German and European electricity system resulting from rising shares of renewable energy is triggering new technical requirements for both electricity producers and consumers. These requirements include "network codes", bodies of technical rules for the operation of electricity grids, which are developed by the European Transmission System Operators (TSOs) in their umbrella organization ENTSO-E before being implemented on the national level in the EU Member States. In cooperation with Ecofys, Ecologic Institute is supporting the German Federal Ministry for Economic Affairs and Energy (BMWi) in the context of its national implementation of the European Network Codes "Requirements for Generators" (RfG) and "Demand Connection" (DCC).

The project is comprised of the following individual elements:

- A description of international activities related to rulemaking on technical regulations for electricity producers and consumers in the electricity system, as well as their relevance for Germany
- Analysis and evaluation of the requirements of the RfG and DCC network codes, as well as the requirements and options available for national implementation
- Assessment of the need for further development of the technical regulations in the medium- to long-term
- Ad-hoc analysis
- Two workshops

In the context of this project, Ecologic Institute will mainly focus on the legal regulatory procedures and institutional aspects of the network codes, in particular in relation to their implementation in Germany.

Funding

[Federal Ministry for Economic Affairs and Energy](#) (BMWi), Germany

Partner

[Ecofys Investments B.V.](#), Netherlands

[Ecologic Institute](#), Germany

Team

[Dr. Stephan Sina](#)

Christine Lucha

Katharina Umpfenbach

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inventory, technical analysis, legal analysis, interviews, evaluation of scenarios

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