



Federal Ministry
for Economic Affairs
and Climate Action

Flexibilities in the Electricity Network – Legal Framework in Germany

OFATE/DFBEW:

Flexibilities in the Electricity System

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System operator is responsible for maintaining network and system security

- TSO has got the overview – § 13 Energiewirtschaftsgesetz
 - is able to assess interactions in the system
 - preventive measures have to be taken
- DSO responsible on his level - § 14 Energiewirtschaftsgesetz
 - is responsible within his network
 - takes measures according to TSO instructions

Legal framework gives equipment: § 13 ff. EnWG

- Network-related measures
 - Network curcuits (for example to avoid Loopflows)
 - Use of fully integrated network components
 - Use of Netzbooster according to § 11b EnWG
- Market-related measures
 - On the basis of legal provisions (§ 13a EnWG)
 - On the basis of a contract (grid connection contracts)

Market-related means:
impact on the market
outside network
operation

Marked related measures

Flexibilities?

- Balancing market – EU-Provisions Article 6 Regulation (EU) 2019/943
- Measures according to § 13 (1) and § 13a (1) EnWG – Redispatching
 - Germany decided against a market-based redispatching-system and voted for cost based using the options of Article 13 (3) lit. c and d Regulation (EU) 2019/943

Use of flexibilities on the TSO-Level

- Qualifikation for frequency reserve (balancing market)
- Contractual agreements as part of Grid Connection Contract
- Qualification for Reserve-Instruments
- Special provisions for load flexibilities as part of TSO redispatching system:
 - Flexible loads according to 13 (6) EnWG (Abschaltbare Lasten Verordnung)
 - Flexibility of Congestion plants according to § 13 (6a) EnWG
 - § 13 (6b) - ??

Flexibilities on the DSO-Level

Who has got the right to press the button?

- Integration of flexible users into the distribution network- § 14a EnWG
 - charging points, heat pumps and battery storage
 - DSO entitlement for demand side management via smart metering systems
 - Specification of the regulatory authority necessary, consultation in Progress
 - Could be booster for digitalisation

- To be specified: § 14c EnWG

Flexibilities from the regulatory perspective

- Flexibilities can be used to operate the network more efficiently
- Article 18 EU-Regulation 2019/943:
 - network charges shall be cost-reflective
 - network has to be operated efficiently
 - charges shall not include unrelated costs supporting unrelated charges
- Decisions on network tariffs are left to the National Regulatory Body (see Judgment of the Court of Justice of the European Union C-718/18)



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