

# Traction current as an additional service – the example of Austria

22nd Florence Rail Forum

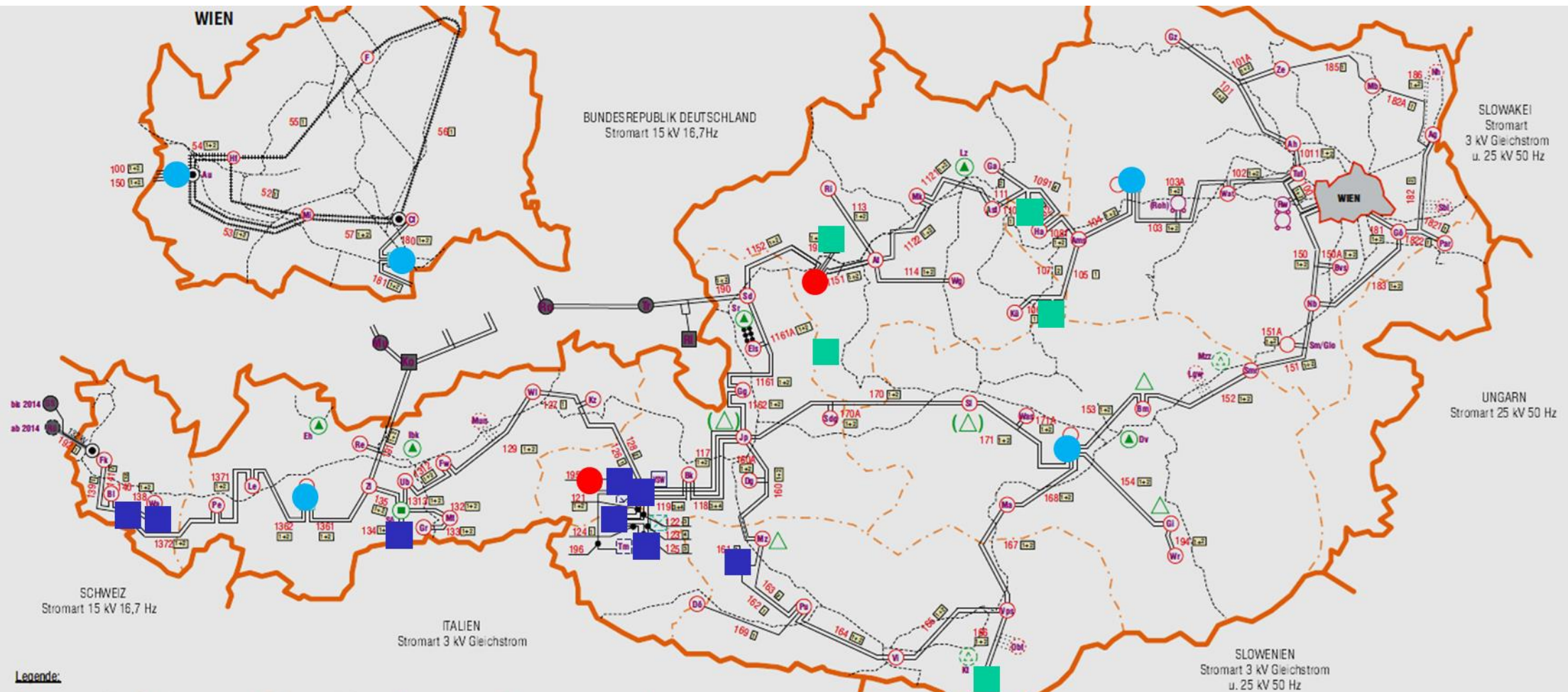
Electricity and Infrastructure Managers:  
is there a need for Regulation?

Florence, 9 December 2022

- ÖBB power plant
- ÖBB partner power plant
- Frequency converter
- Frequency inverter

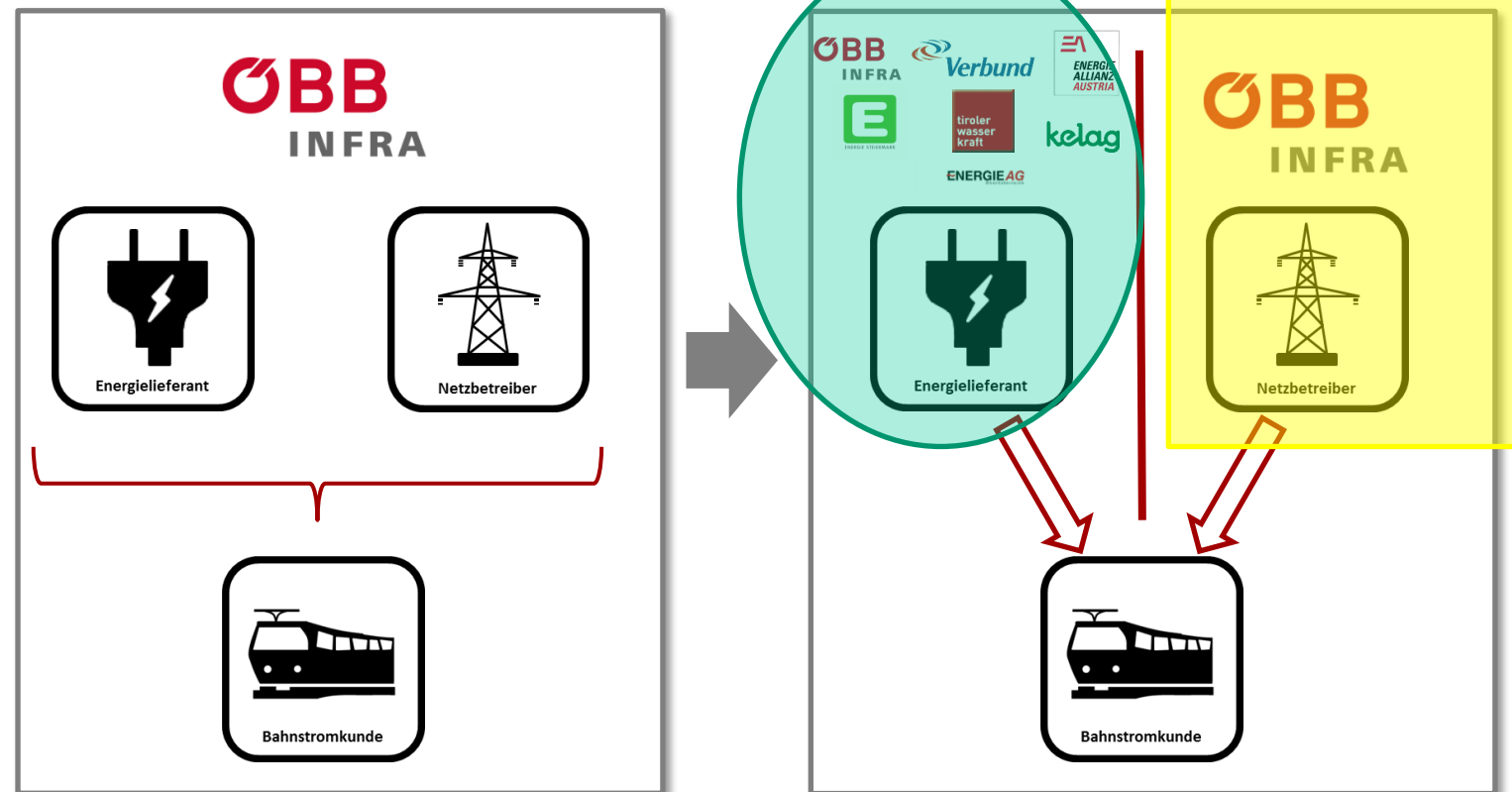
# Subject to regulation

- Traction current network of the Austrian IM ÖBB-Infrastruktur AG
- About 2000 km power net – transmission and distribution (110 kV and 55kV supply voltage and a frequency of 16,7 Hz)



# Access and liberalisation

- Until 2015 IM provided the traction current **and** the use of the traction current network as one product
- In 2016, the deregulation of the traction current market took place
- Austrian Regulatory Body (RB) Schienen-Control Kommission (Rail Control Commission) investigated
- Goal: delivery of energy by a (third) energy provider



DIRECTIVE 2012/34/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL  
of 21 November 2012  
establishing a single European railway area

3. Additional services may comprise:

(a) traction current, charges for which shall be shown on the invoices separately from charges for using the electrical supply equipment, without prejudice to the application of Directive 2009/72/EC;

Schiene|Control

# Regulatory Framework

DIRECTIVE (EU) 2019/944 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL  
of 5 June 2019  
on common rules for the internal market for electricity and amending Directive 2012/27/EU

(29) 'distribution system operator' means a natural or legal person who is responsible for operating, ensuring the maintenance of and, if necessary, developing the distribution system in a given area and, where applicable, its interconnections with other systems, and for ensuring the long-term ability of the system to meet reasonable demands for the distribution of electricity;

(35) 'transmission system operator' means a natural or legal person who is responsible for operating, ensuring the maintenance of and, if necessary, developing the transmission system in a given area and, where applicable, its interconnections with other systems, and for ensuring the long-term ability of the system to meet reasonable demands for the transmission of electricity;

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Additional Service =  
traction current

RIS

Federal Act Providing New Rules for the Organisation of the Electricity Sector (Electricity Act 2010 – EIWOG 2010)

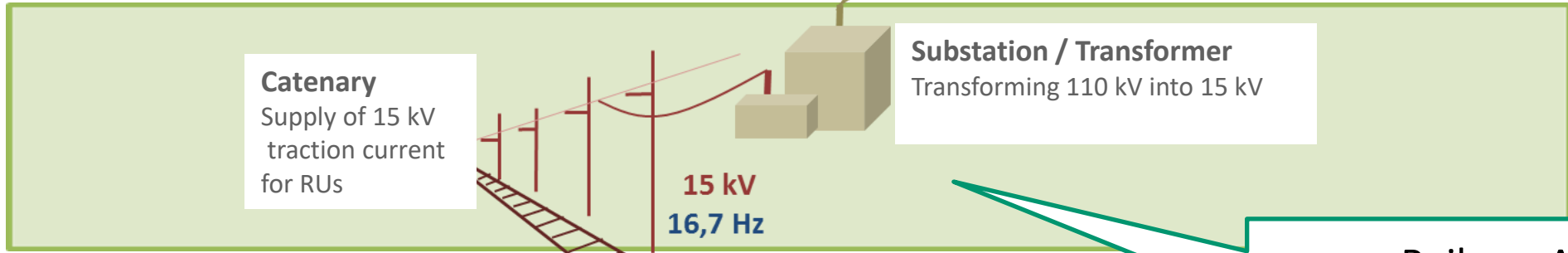
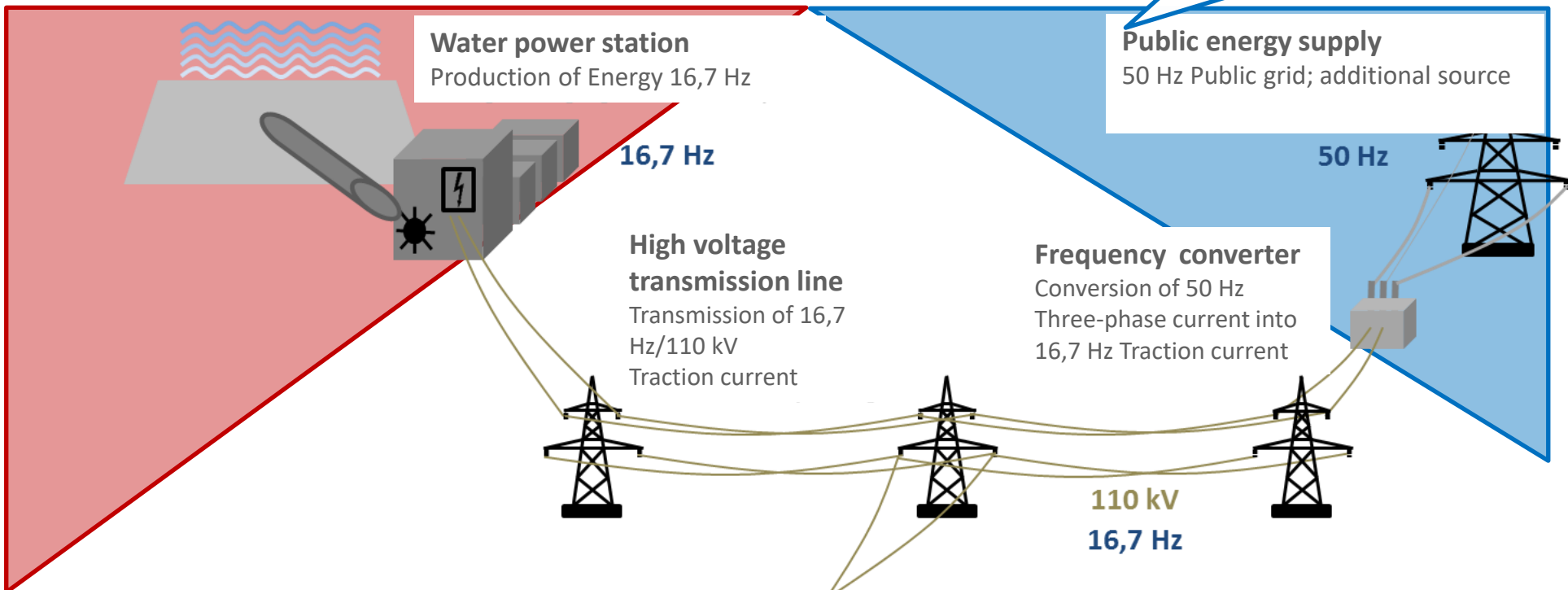
### Definitions

§ 7. (framework provision) (1) For the purposes of this Federal Act, the term:

51. "network operator" means any operator of a transmission or distribution system with a rated frequency of 50 Hz;

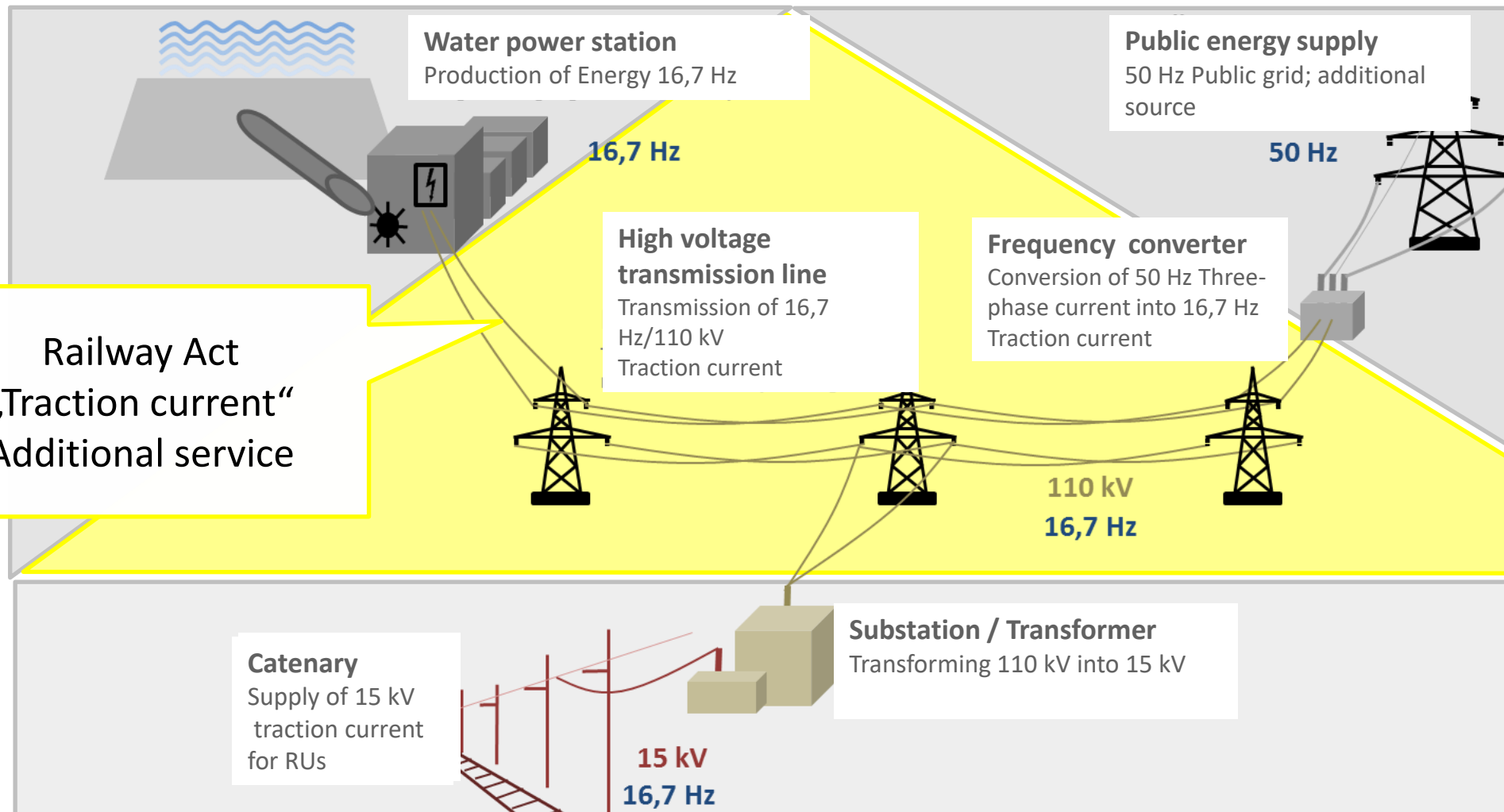
# Traction current system

Electricity Act 2010



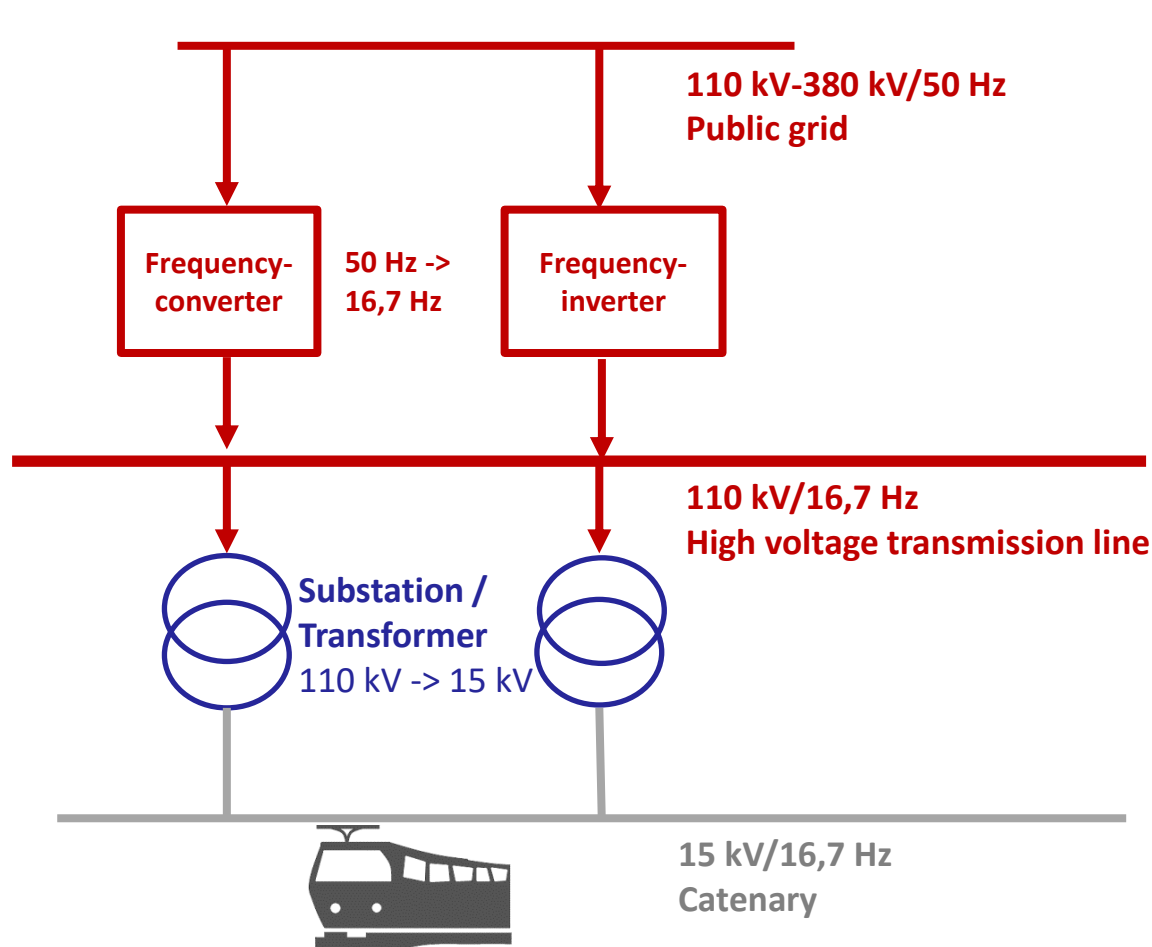
Railway Act  
„Railway infrastructure“  
Minimum access package

# Traction current system



Railway Act  
„Traction current“  
Additional service

# Principles of charging



Network charges according to the Electricity Act 2010

Charging principles acc. § 69b Railway Act „cost of providing it, plus a reasonable profit“

Charging principles acc. § 67 Railway Act „cost that is directly incurred as a result of operating the railway service“

Thank you for your attention