

### Issues identified





- 1. General issues: contract about mutual rights and obligations
- 2. Connection to the grid: needed data, technical standards, ownership border, DSO ownership in case of more than one user, property utilization for power lines
- 3. Usage of the grid infrastructure: contract terms, obligation of the DSO to provide grid capacity, force majeure
- 4. Quality of supply and ancillary services
- 5. Operation and maintenance: retroactive grid perturbations, obligation of grid user, examination of customer site
- 6. Grid service remuneration
- 7. Measuring and load profiles, ownership, managing transition, calibration, measuring station, meter reading, standardized load profile
- 8. Storage of data, access by the customer, data transmission
- 9. Change of supplier
- 10. Data protection and privacy
- 11. Invoicing: time limit, treatment of price variations, objections, installments
- 12. Payment, default, reminder, prepayment, security payment, contractual penalty
- 13. Change of GT&C
- 14. Duration, termination, assumption of the contract, legal succession
- 15. Suspension of the contract in case of violations (security of life, perturbations etc)
- 16. Termination due to cogent reasons
- 17. Mutual liability obligations

#### 1. General issues





- Legal nature of the GT&C: mostly ordinated by the NRA and not simply a standardized contract
- How do the GT&C become binding? Directly as ordinated
- Procedure for adoption of the GT&C
- mutual rights and obligations
- Do the GT&C contain different approaches
  - Provisions on supply
  - Comprehensive provisions on connection
- Definition of specific terms

# 2. Usage of grid infrastructure





- Specific data needed for contract: different level of specification
- Time limits to provide new or additional facilities
- Right of DSO to perform security and technical checks
- Connection fee: no separate fee separate methodology
- Definition of force majeure: not in all GT&C
- Ownership border fixes in the agreement: not all GT&C

# 3. Operation and maintenance



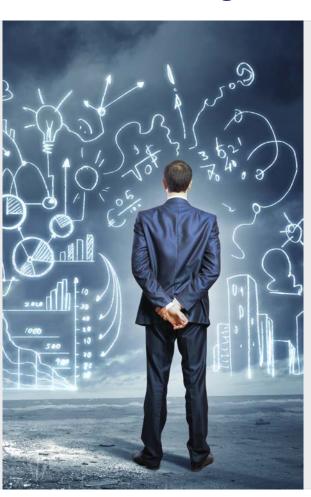


- Obligation of DSO to maintain grid and of customer to maintain internal devices
- Obligation of grid user to strictly avoid perturbations to the grid and other grid users by inadequate devices
- Assessment of retroactive perturbations
- Maximum time limit to mitigate perturbations
- Right of DSO to disconnect in case of lack of compliance with limits of standards

Mostly lacking in GT&C

# 4. Measuring and load profiles





- Owner of the meter: DSO or customer
- Separate fee for meter: not separate
- Frequency of meter reading: different approaches
- Obligation to install smart meter: mostly lacking
- Frequency of data transmission from meter: mostly no provision
- Obligation of customer to provide metering compartment: mostly no provision
- Installed in building or at connection point: mostly no provision
- Who pays for extraoardinary calibration: mostly not regulated
- Obligation of owner of building to protect meter: sometimes stipulated
- Permanent access right to meter by DSO: in all GT&C
- National rule for standardisation of load profiles (+ further questions regarding load profiles): mostly lacking
- Storage of data in electronic meters and submission: mostly no provision

# 5. Change of suppliers





- Process design/special switching rules
- Time limit to complete the process
- Effective date of change coupled to the end of calender period
- Extra reading by DSO
- Special invoice by DSO separating the periods of supply by different suppliers

Only covered by some of the GT&C

### 6. Invoicing





- Time limit to submit invoice after regular meter reading: 10/15 days or no provision
- Who invoices grid charges: DSO directly or via supplier: mostly via supplier
- Procedure in case of modification of grid tariffs by the NRA: only contained in some GT&C
- Time limit to raise objections to an invoice: some 8 days

# 7. Payment

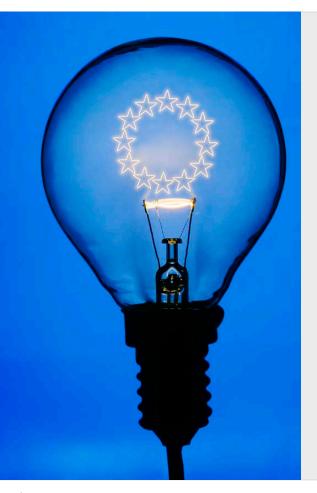




- Deadline for payment after issuing of invoice: min. 8 days – "as stipulated in the contract"
- Can consumer declare payments via the supplier: mostly not
- Rule that payment automatically covers the oldest debt: mostly lacking
- Default interest for overdue invoices: only contained in some GT&C
- Right to demand payment in installments: not common in GT&C
- Rules for security payments: mostly lacking
- Contractual penalties for breach of contract: mostly not

# Proposal of next steps





- Provision of all GT&C
- Completion of overview table
- Comments on table

- Decision on work product
- Definition of key provisions
- Development of work product



