DRAFT

**Gas Regional Initiative (GRI) SSE**

**Questionnaire for the assessment of the present LNG and storage settings in the SSE GRI countries and Energy Community Contracting Parties**

Introduction: the main goals of the questionnaire is to highlight the different legal frameworks as well as the peculiarities for the LNG and the storage systems in the region.

Question list:

**LNG Infrastructures**

***Legal framework and characteristics of the system:***

1. **Do you have LNG facilities in your country? (Y/N**)
   1. Share of LNG capacities offered under TPA: (% of total technical capacity)
   2. Number of LNG operators: (n.)
   3. Number of LNG terminals: (n.)
   4. If no: Irrespective the actual existence of LNG terminals in your country, do you have a national legislative/regulatory framework for LNG in your country? (Y/N)
2. **Is the access to LNG regasification terminal regulated or at market condition?**
   1. Regulated :(Y/N)
   2. Negotiated access: (Y/N)
   3. Both: (Y/N)
   4. Other, please explain: (text)

***General sector statistics***

1. **Total regasification capacity (MWh/a)**
2. (MWh/a) regulated: (n.) (MWh/a) negotiated: (n.) (MWh/a) TPA exempted: (n.)
3. **Total (i.e. sum of all terminals) maximal regasification capacity per day (MWh): (n.)**
4. **Share of utilization in 2015, 2016, 2017 (% of the annual technical LNG regasification capacity)**
5. 2015 (%) regulated: (%) negotiated: (%) exempted:
6. 2016 (%) regulated: (%) negotiated: (%) exempted:
7. 2017 (%) regulated: (%) negotiated: (%) exempted:

***Network capacity allocation/booking***

1. **By whom is the entry capacity into the main (TSO) network system directly bookable?**
2. by the shippers: (Y/N)
3. if not: by a third entity e.g. TSO, LNG operator, etc.)?
   * + 1. Please reveal the entity: (text)

***Network system charges***

1. **How high is the TSO entry charge into the main network system set?** 
   1. The same for all the LNG (if more than 1): (Y/N)
   2. If yes, please indicate the charge (€/kWh/h/y): (n.)
   3. If no, please state the entry charges for each LNG
      1. Name terminal 1: (text) (€/kWh/h/y): (n.)
      2. Name terminal 2: (text) (€/kWh/h/y): (n.)
      3. Name terminal 3: (text) (€/kWh/h/y) : (n.)
2. **In your country, who is responsible for approving and publishing the methodology to calculate the entry tariffs from the LNG into the transmission system?**
   1. Approving tariffs
      1. NRA: (Y/N)
      2. LNG operator: (Y/N)
      3. Ministry/ government: (Y/N)
   2. Publishing tariffs
      1. NRA: (Y/N)
      2. LNG operator: (Y/N)
      3. Ministerium: (Y/N)
3. **How often are entry tariffs into the network system updated? (n.)**
4. **Do you have in place any automatic indexation for entry tariff update? (Y/N)**
5. **Are the entry tariffs into the network system discounted towards the real entry tariff calculated according to your entry/exit methodology? (Y/N)**
   1. If yes, can you state the reason for such a discount? (text)

***Specific services***

1. **Is it possible to load LNG on trucks from at least one of your LNG facility? (Y/N)**
2. **Is the LNG transshipment service possible (transfer of a cargo between two ships, or division into several smaller batches where LNG transferred is neither mixed nor stored in the terminal's tanks) in at least one of your LNG facilities? (Y/N)**
3. **Is the reload service (to reload LNG that has previously been unloaded in the shore tanks) in at least one of your LNG facilities possible? (Y/N)**
4. **Does at least one of your LNG facility allow bunkering (LNG Bunkering is the practice of providing liquefied natural gas fuel to a ship for its own consumption)? (Y/N)**

***Average service costs***

1. **How is the LNG regassification capacity allocated?**
   1. Auction? (Y/N)
      1. In case an auction design is in place, are the results published? (Y/N)
      2. If no, does the NRA receive information about the auction results? (y/N)
      3. How is the auction reserve price determined? (text)
         1. Is it published? (Y/N)
      4. Is there a mechanism in place to compensate LNG operators in case market prices do not cover for the regulated costs (? (e.g.: allocation of losses on transmission tariffs): (Y/N)
         1. If yes, please explain: (text)
   2. First come first serve? (Y/N)
   3. Others? explain: (Text)
   4. are the charges for such service regulated (by the NRA or the Ministry) or freely set by the LNG operator: (text)
2. **In case of delays of delivery which congestion procedures apply? (text)**
   1. Please specify and indicate to what extent they are used: (text)
3. **Are bundled products (gasification capacity + access to the transportation system) offered? (Y/N)**
4. **Can you state the average regassification costs per MWh (from the ship up to the IP with the network system)? (n.)**

**Storage Infrastructures**

***Legal framework and characteristics of the system:***

1. **Do you have storage facilities in your country? (Y/N**)
   1. If yeas, share of storage capacities offered under TPA: (% of working gas capacity)
   2. If no: irrespective the actual existence of storage facilities in your country, do you have a legislative/ regulatory framework for storages in your country? (Y/N)
2. **Is the storage system regulated or at market conditions?**
   1. Regulated access ((acc. Dir 73/2009 Art. 33 or aquis communitaire): (Y/N)
      1. Access Regulation (Products, GTC, allocation rules, etc.): (Y/N)
      2. Tariff Regulation: (Y/N)
   2. Negotiated access (acc. Dir 73/2009 Art. 36 or aquis communitaire): (Y/N)
   3. Both: (Y/N)
   4. Do you have additional specific conditions for the access to the storages which have to be respected and fulfilled and which have not been stated above? (Y/N)
      1. If yes, please explain: (text)
3. **How many storage companies do operate in your country and how many storage facilities?** 
   1. Number of storage system operator (SSO): (n.)
   2. Number facilities: (n.)
   3. Types of Storage facilities
      1. Salt cavities: (n.)
      2. Aquifer: (n.)
      3. Depleted gas fields: (n.)
      4. Other: (n.)
   4. Number of facilities in your country directly interconnected (with dedicated pipeline) with other countries: (n.)
   5. Number of facilities of other countries directly interconnect (with dedicated pipeline) with your country: (n.)
   6. Number of facilities directly interconnected with the TSO(s) network: (n.)
   7. Number of facilities directly interconnected with the DSO(s) network: (n.)

***General sector statistics***

1. **Total storage technical capacity (MWh/a) (working gas)**
2. regulated (MWh): negotiated (MWh): exempted (MWh):
3. **What is the percentage of the total working gas on the total yearly average gas consumption in 2017? (%)**
   1. Total working gas volume capacity (MWh): (n.)
   2. Total yearly gas consumption in the country (MWh): (n.)
4. **Share of storage capacity utilization (total entry quantitates – total exit quantities) / technical capacity in (AGSI +)**
   1. 2015: (%)
   2. 2016: (%)
   3. 2017: (%)
5. **Total maximum withdrawal capacity (MWh/h): (n.)**

***Network capacity allocation/booking***

1. **Who books the transport capacity to or from the storage facilities?** 
   1. Shippers book themselves: (Y/N)
   2. Storage operator books: (Y/N)
   3. Both: (Y/N)
   4. Third entity book: (Y/N)
      1. Please reveal the entity: (text)

***Network system charges***

1. **How is the entry/exit charge storage system - transportation system set?**
2. The same for all the storage system operators (if more than 1): (Y/N)
3. If yes: Which tariff is foreseen to access the storage system at TSO/DSO level from the network and vice versa?
   * 1. Entry fee (from the storage into the transmission/distribution system): (Y/N)
        1. Value TSO: (€/kWh/h/y or N.A.) Value DSO: (€/kWh/h/y or N.A.)
     2. Exit fee (from the transmission/distribution system into the storage): (Y/N)
        1. Value TSO: (€/kWh/h/y or N.A.)) Value DSO: (€/kWh/h/y or N.A.))
4. If no: Which tariff is foreseen to access the storage system at TSO/DSO level from the network and vice versa?
   * 1. Entry fee (from the storage into the transmission/distribution system): (Y/N)
        1. Highest value: (€/kWh/h/y) lowest value: (€/kWh/h/y)
     2. Exit fee (from the transmission/distribution system into the storage): (Y/N)
        1. Highest value: (€/kWh/h/y) lowest value: (€/kWh/h/y)
5. **Are the entry/exit tariffs into the network system discounted towards the real entry/exit tariffs calculated according to your entry/exit methodology? (Y/N)**
   1. If yes, can you state the reason for such a discount? (text)

***Specific services***

1. **Do you have regulatory requirements concerning minimum storage level (e.g. strategic reserves)? (Y/N)**
   1. Strategic reserve: (Y/N)
      1. Quantity dedicated in MWh: (n.)
   2. Supplier booking obligation: (Y/N)
      1. Quantity dedicated in MWh: (n.)
   3. Traders and importers booking obligation: (Y/N)
      1. Quantity dedicated in MWh: (n.)
   4. TSO booking obligation: (Y/N)
      1. Quantity dedicated in MWh: (n.)
   5. Are there any regulatory/legal restrictions on injection and withdraw over the year, or obligations to hold certain amounts of gas in store at certain times? (Y/N)
      1. If yes, please explain: (text)
2. **If obligatory storage levels apply, are they subject to any cost-benefit analysis?** (Y/N)
   1. Is the need for having such obligation reviewed on a regular basis?(Y/N)
3. **Are injection and withdrawal times fixed by law during the storage year?** (Y/N)
   1. If yes, please indicate
      1. for the injection period: the beginning: (date) and the end: (date)
      2. for the withdrawal period: the beginning: (date) and the end: (date)

***Average service costs***

1. **Is it possible to indicate the characteristics of a typical bundle product sold by one SSO in your country: (Y/N)**

If yes please indicate:

* 1. Firm working gas capacity for booking capacity in MWh (e.g. 20.000 MWh):
  2. Injection period in days (e.g. 171 days):
  3. Injection capacity kWh/h (e.g. 5.600 kWh/h):
  4. Withdrawal period in days (e.g. 150 days):
  5. Withdrawal capacity kWh/h (e.g. 10.000 kWh/h):

1. **Can you state the average storage costs per MWh calculated on the basis of the above-mentioned bundle product (use please the storage charge and the entry/exit tariffs to the network system to evaluate the cost) or if it is not possible, can you state a reference value? (n.)**
2. **Which methodology is used for capacity storage charges/prices, please indicate:**
   1. Under a negotiated access, is the prices of the storage capacity published? (Y/N)
   2. Which methodology is used to allocate the storage capacity? (text)
      1. Which price Formula is used for standard bundles: (text)
   3. Under a regulated regime which methodology is used?
      1. Revenue Cap: (Y/N)
      2. Benchmarking: (Y/N)
      3. Other explain: (text)
      4. Duration of regulatory period: (n.)
      5. Who approves the tariff regulation: (text)
   4. Is there a regime to compensate the SSO in case market prices to not cover the regulated costs? (e.g.: allocation of losses on transmission tariffs): (Y/N)
      1. If yes please explain: (text)
3. **How is the storage capacity allocated?**
   1. Auction? (Y/N)
      1. In case an auction design is in place, are the results published? (Y/N)
      2. If no, does the NRA receive information about the auction results? (Y/N)
      3. How is the auction reserve price determined? (text)
      4. Is it published? (Y/N)
   2. First come first serve? (Y/N)
   3. Other? (Y/N)
      1. Please explain: (text)

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