

## State of national implementation of KORRR – Updated survey

---

### Context and scope

According to the Commission Regulation (EU) 2017/1485 establishing a guideline on electricity transmission system operation (hereinafter referred to as “SO GL”), and specifically Title 2 about Data Exchange, it sets the obligation of TSOs, DSOs and significant grid users (SGUs) to exchange data to reflect the real and forecasted situation of the transmission system. SO GL left some decisions at national level. In concrete terms:

- Article 40.5 deals with applicability and scope of the data exchange. It has to be defined at national level and it is highly linked with the NC Requirements for grid connection of generators (RfG).
- Although KORRR (Key Organizational requirements, roles and responsibilities), set in article 40.6 of SO GL, was approved in 2019, some critical points were left to be decided at national level.
- Finally, article 40.7 of SO GL establishes the obligation that TSOs and DSOs shall agree on effective, efficient and proportional processes for providing and managing data exchanges between them.

It is useful and interesting for TSOs to share their progress and corresponding decisions.

Almost a year ago, a first survey was sent to prepare the Workshop on Data Exchange. Answers were analyzed by the dedicated PT under StG OF. During the SOC webinar hold on 22<sup>nd</sup> October, three TSOs presented their national cases of KORRR implementation.

However, considering the importance of data exchange in the future, and the fast evolution of the national Regulation in most of the countries in Europe, StG OF encourages your TSO to complete this survey in an effort to update the general overview of the state of implementation of KORRR in each country. This input will be compiled and be presented in the public workshop with Stakeholders on KORRR implementation that is scheduled in December (concrete date to come). SOC members will receive the material that will be prepared for this public workshop for their review in due time.

To fulfill this survey, please follow these instructions:

- You only need to click on the boxes that best fit your answers. In case none of them does or if you want to add any further information, please, write down your answer right next to the field “Other”.
- More than one box can be marked if answers are not contradictory.
- The questions that are preceded by an asterisk must only be answered if the answer right before had also an asterisk.
- To fill in dates, a calendar will be open when clicking on the box “Click to choose the date”.

### 1) General information

---

Transmission system voltage levels are at or above:

- ☐ 110 kV                      ☒ 220 kV                      ☒ 380 kV – 400 kV
- ☐ Other:

## 2) National implementation of Article 40.5

---

The state of national implementation of Article 40.5 is:

- ☐ Under discussion      ☐ Sent for approval\*      ☒ Approved by relevant authorities\*  
☐ Implemented\*      ☐ Not required by authorities  
☐ Other:

*\*Please, select the implementation date or the expected implementation date:*

Some level of data exchange is already implemented, while we as Swissgrid are still striving to achieve more and it is difficult to define a precise date at the moment because many other stakeholders are involved.

## 3) National implementation of Article 40.6 (remaining actions from KORRR)

---

The state of national implementation of Article 40.6 is:

- ☐ Under discussion      ☐ Sent for approval\*      ☒ Approved by relevant authorities\*  
☐ Implemented\*      ☐ Not required by authorities  
☐ Other:

*\*Please, select the implementation date or the expected implementation date:*

Some level of data exchange is already implemented, while we as Swissgrid are still striving to achieve more and it is difficult to define a precise date at the moment because many other stakeholders are involved.

## 4) National implementation of Article 40.7

---

The state of national implementation of Article 40.7 is:

- ☐ Under discussion      ☐ Sent for approval\*      ☒ Approved by relevant authorities\*  
☐ Implemented\*      ☐ Not required by authorities  
☐ Other:

*\*Please, select the implementation date or the expected implementation date:*

Some level of data exchange is already implemented, while we as Swissgrid are still striving to achieve more and it is difficult to define a precise date at the moment because many other stakeholders are involved.

## 5) Which requirements of SO GL / KORRR have implied, or you expect them to imply, an important change in the national requirements or rules?

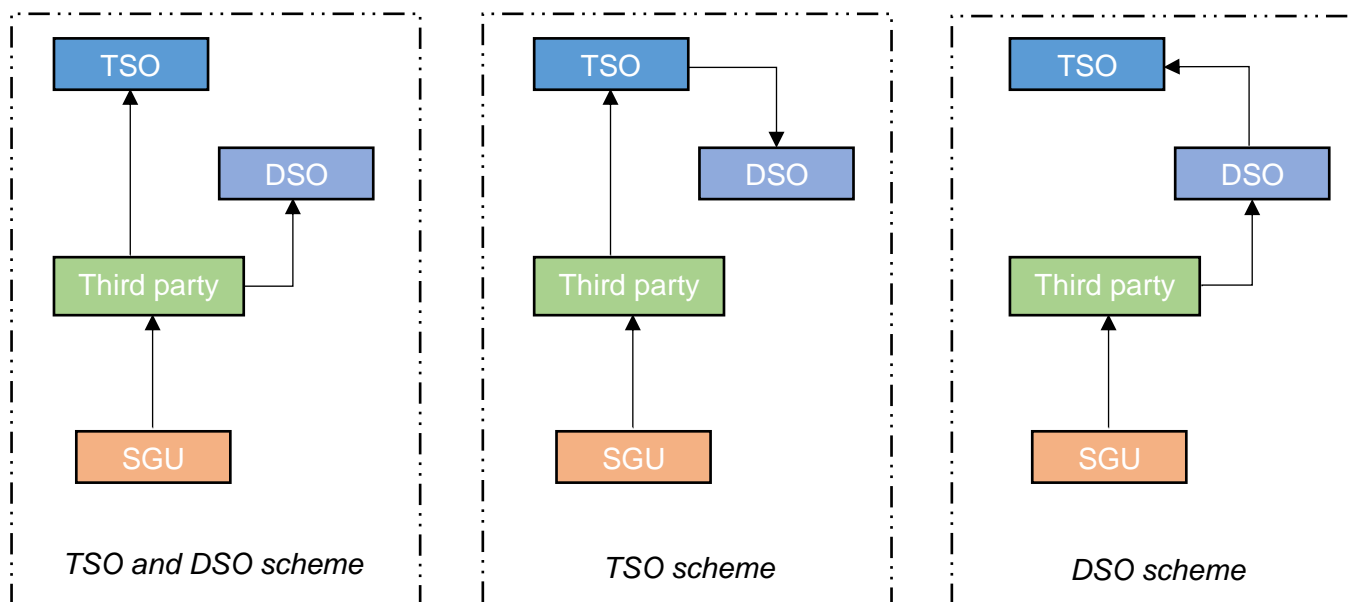
---

- ☒ Article 40.5\*      ☒ Article 40.6\*      ☒ Article 40.7\*  
☐ None (so far)

*\*Can you please specify in which sense?:*

## 6) Schemes for exchanging data of SGUs connected to the distribution grid

Considering the following figures, please select the scheme that is planned to be implemented, or is already implemented, for exchanging each type of data.



### • Structural data is directly sent to:

- |   |                                 |   |
|---|---------------------------------|---|
| <input type="checkbox"/> Both TSO and DSO       | <input type="checkbox"/> TSO    | <input checked="" type="checkbox"/> DSO |
| <input type="checkbox"/> Still under discussion | <input type="checkbox"/> Other: |   |

### • Scheduled data is directly sent to:

- |  |                                 |   |
|--|---------------------------------|---|
| <input checked="" type="checkbox"/> Both TSO and DSO | <input type="checkbox"/> TSO    | <input checked="" type="checkbox"/> DSO |
| <input type="checkbox"/> Still under discussion      | <input type="checkbox"/> Other: |   |

### • Which scheme has been nationally implemented for real time data exchange?:

- |   |   |
|---|---|
| <input type="checkbox"/> Non-cascading          | <input checked="" type="checkbox"/> Cascading |
| <input type="checkbox"/> Still under discussion | <input type="checkbox"/> Other:               |

## 7) Can SGUs connected to the distribution grid decide to whom they shall directly send their data?

- |   |  |
|---|--|
| <input type="checkbox"/> Yes, with no condition | <input type="checkbox"/> Yes, but only if they are not Balance Service Providers (BSPs)* |
| <input type="checkbox"/> No                     | <input checked="" type="checkbox"/> Still under discussion                               |
| <input type="checkbox"/> Other:                 |  |

\* If BSPs are obligated to send their information directly to a specific party, please, choose which one it is:

- |   |                              |                              |
|---|------------------------------|------------------------------|
| <input type="checkbox"/> Both TSO and DSO | <input type="checkbox"/> TSO | <input type="checkbox"/> DSO |
|---|------------------------------|------------------------------|

☒ Other: still under discussion

8) Which parameter is considered to define the responsibility of SGUs to exchange data and the level of data they shall exchange? Please, provide the values of the thresholds depending on the given answers.

---

☒ Power:

☐ Connection voltage level:

☒ Type of SGU:

☐ Services provided:

☐ Still under discussion

☐ Other:

9) How do SGUs send their data to the TSO or to the DSO?

---

☐ Individually per SGU

☐ Individually per SGU and aggregated in some specific cases (please specify):

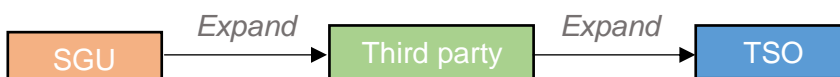
☐ Aggregated

☒ Still under discussion

☐ Other:

10) Please, indicate who is responsible for the installation, configuration, security and maintenance of each data exchange link.

---



Assuming that the arrows are bi-directional, this is our response.

The data exchange between TSO and others is a joint responsibility.

The data exchange links for real-time data exist between TSOs and with many DSOs. Each party is in charge to install, configure, maintain its part, and there are common principles applied that ensure the surveillance of the data exchange links.

Our intention is to implement the data exchange with DSOs that are not yet linked within our observability area project.

Regarding data exchange among and between SGUs, Third Parties, and DSOs, it is under discussion, and not within the scope of the TSO project.

#### 11) Which level of information of the transmission grid do DSOs have access to?

---

- ☐ Only from their connection point with the transmission network
- ☐ All information of its observability area
- ☐ No information is available for them
- ☐ Still under discussion
- ☒ Other: DSOs have some data of the Transmission Network. DSOs have not yet defined their Observability Area (ongoing)

#### 12) Which level of information of the distribution grid does the TSO have access to?

---

- ☐ Only from their connection point with the transmission network
- ☐ All information of its observability area
- ☐ No information is available for them
- ☐ Still under discussion
- ☒ Other: Swissgrid has some data of the distribution network. Swissgrid definition of Observability Area regarding distribution network is on-going.