

CLASSIFICATIE C1 - Publieke Informatie
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ONDERWERP Q&A related to the webinar Equigy and CBP 11 September 2020

Equigy and CBP

Q: Which other TSOs are involved or interested in the Equigy and CBP developments?

A: Terna, Swissgrid, TenneT NL and TenneT GE are involved in Equigy. Other European TSOs are interested as well in the developments and could join in the future. This is part of the Equigy roadmap.

Q: Which products can we foresee to be offered/supported via Equigy?

A: For now the product offered in aFRR in the Netherlands. Redispatch is being developed in Germany and FCR in Switzerland. After the full aFRR implementation, the Dutch roadmap for the CBP includes the evaluation of development of FCR or Redispatch as well as connections with other platforms. Vice versa, the aFRR implementation could be reused in the other countries.

Q: Will it be possible to offer services across borders (a single bid to multiple countries)?

A: The technology and type of interface will be similar for each TSO, but the exact market details can differ per country. Cross border products are not implemented on the CBP since this is a TSO-TSO task. Hence, the BSPs always need to comply with the product requirements of the connecting TSO.

Note: In case projects like PICASSO and MARI (working on cross border activation of aFRR and mFRR, respectively) are fully implemented it could be that an aFRR bid offered via the CBP to TenneT Netherlands is activated by another TSO in the PICASSO cooperation. However, that will not be characteristic for the CBP in the sense that all aFRR bids – irrespective of the communication technology to TenneT – could then be cross border activated.

Q: If a BSP has implemented aFRR in The Netherlands, can it be reuse as such for other countries, will be the process flow will be the same?

A: See previous answer.

Technical information

Q: Where can I get more information on the API and how to build it?

A: If you are interested in more details on the APIs, please contact tennetccc@tennet.eu.

Q: Does CBP offer different standards than already applied at TenneT?

A: The CBP data model is based on Entsoe-Ebix standards, the format of the CBP interfaces can be different from the already applied standard of TenneT (i.e. json, instead of xml or Edine). Same requirements/product specifications as already applied by TenneT are valid for the BSPs connected via CBP.

aFRR process and specification

Q: Do we have penalties if we are not able to deliver or if we deliver more electricity?

A: Since for now, the platform is supporting only voluntary bids, no penalties are involved. For more information, please consult the product specification of aFRR, available on TenneT website (https://www.tennet.eu/fileadmin/user_upload/SO_NL/Product_information_aFRR.pdf).

Q: Are there any requirement on the type of devices that can deliver aFRR via CBP?

A: In principle all type of devices can join the CBP, it is up to the BSP to choose if to connect via the CBP or via other type of connections. Furthermore, it is up to the connecting TSO to evaluate if a certain pool of devices can join the aFRR market, according to the product specifications.

Q: How is settlement of the provided aFRR performed for BSPs connected to the CBP?

A: The CBP is offering a blockchain solution, to store and track the important transaction of aFRR delivery. The CBP is directly interfaced to TenneT and to the regular aFRR process (according to the aFRR product specifications available on the website). Settlement is taking place via the regular process in the TenneT back-end.

Q: How do the device measurements needed on the CBP differ from the ones coming from the smart meters?

A: Smart meter allocation data, partly coming from smart meters, (kWh or MWh) is used for imbalance settlement, while device measurements provided by the MSP (kW or MW) are used to validate the aggregate measurements (see previous answer).

Q: How does the activation happens via the CBP?

A: The BSP receives an activation signal from the nl-aFRR-activation-forwarding API of the CBP. The CBP is directly connected to the Load Frequency Control of TenneT via the IEC-60870-104 protocol.

<i>Roles – CBP and aFRR market</i>

Q: Is there more information about the MSP role and how to become an MSP?

A: If an entity can access the device measurement independently from the BSP and it is trusted by both BSP and TSO they could fulfil the MSP role on the CBP. There is no official process to become an MSP at this moment, therefore if a market party has intention in this direction please contact us.

Q: Why is the role of MSP introduced?

A: The validation of the aFRR delivery is done on the aggregate measurements level, and for this a certain level of trust is required between the BSP and the TSO . Nevertheless, the validation is becoming more challenging with the increase of the amount of assets in the BSPs pool. For this reason, the MSP role is introduced, to be able to facilitate the validation of the aggregate measurements with device measurements.

Q: Can you give an example of the Original Equipment Manufacturer (OEM)?

A: An OEM could be for example the manufacturer of the installation (such as the car manufacturer), who can provide the device measurement and therefore fulfil the MSP role on the CBP.

Q: How does the platform/concept deal with balancing responsibility?

A: At the moment the BRP is not a role directly connected to the CBP. However, the process of Imbalance Correction at the BRP(s) is facilitated for BSPs that deliver aFRR via the Platform. In this sense, there is no difference between the "regular" aFRR procedures and the CBP.

Q: Can the BRP block offering aFRR from its portfolio by the BSP/aggregator? And how can a BRP know if a BSP is active in the portfolio of the BRP?

A: This question is independent from Equigy and the CBP, but is related to all balancing services offered by BSPs. For this, TenneT has implemented PASAR, which handles the Imbalance Correction and the required data exchange between BSPs and BRPs concerning the aFRR delivery. For more information on PASAR, please contact BSP@tennet.eu. For BSPs delivering aFRR via the CBP please contact the CBP team, since in that case the platform facilitates the connection to PASAR.

Q: How are the DSOs involved on the CBP?

A: Together with the DSO, TenneT is developing the first use-case where data on the aFRR activations is exchanged. This will help DSOs getting insight in and resolving congestion problems resulting from ancillary services delivery. In parallel, the DSOs and TenneT are defining a roadmap for a future collaboration on Flexibility topics.

Do you have any questions or do you wish to respond?

If you might have some questions or you want to respond to this Q&A you can contact TenneT Customer Care Center via +31 (0)88 936 1717 or via e-mail tennetccc@tennet.eu.