Stakeholders Management Meeting PDG Flex

8/12/2023
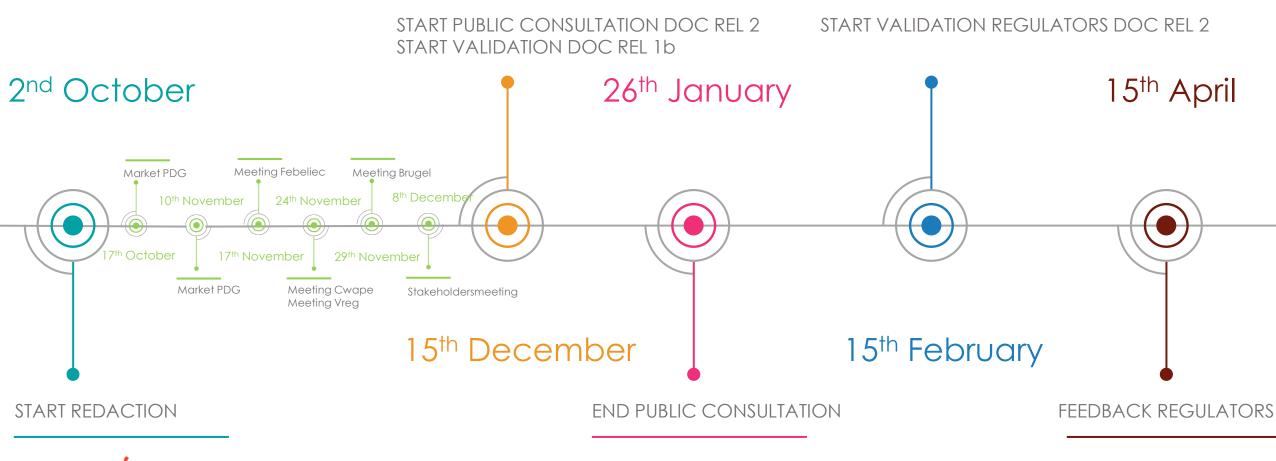
Context

Timeline – Doc Release 2

START PUBLIC CONSULTATION DOC REL 2
START VALIDATION DOC REL 1b

START VALIDATION REGULATORS DOC REL 2

2nd October

26th January

15th April

Market PDG

Meeting Febeliec

Meeting Brugel

10th November

24th November

8th December

17th October

17th November

29th November

Market PDG

Meeting Cwape
Meeting Vreg

Stakeholdersmeeting

15th December

15th February

START REDACTION

END PUBLIC CONSULTATION

FEEDBACK REGULATORS

3

Scope Doc Rel 2

- Remarks of regulators on Doc Release 1 (incorporated in Doc Rel 1b)
- CRM 3.0
- Implementation of aFRR LV (onboarding & grouping) including Impact of mig 6 Scenario's (such as move out)
- aFRR LV Metering Requirements
- Calculated meter
- Remarks CDSO in close collaboration with Febeliec
- Enhancement of Description of prequalification and NFS

Document release 2: impacted documents

Topic / Document	Remarks Regulators	aFRR on LV implementation + MIG6 interactions	CRM 3.0	aFRR LV Metering Requirements	Calculated meters	CDSO
MG Flex	X	X	X		X	
C8-01	X	X	X			
C8-06		X		X		
FSP-DSO Contract	X		X			

Content

CRM 3.0

CRM: Additional / Existing Delivery Point

For CRM LV, a FSP can onboard Flex points which are not 'ready' yet.
Following concepts are introduced in the MG Flex:
(Definitions -> CRM Functioning rules)

- Additional DP: a Delivery Point connected to a capacity for which – on the moment of Prequalification submission – no representative NRP can be calculated yet based on 15 minute metering data.

- Existing DP: a Delivery Point connected to a capacity for which – on the moment of Prequalification submission – a representative NRP can be calculated based on 15 minute metering data.

=> For additional DP's, the Declared NRP will be used until the DP becomes existing

Example:

Battery installed in HouseHold A but not smart meter yet => Additional DP => use declared NRP

When Smart meter is installed and 15' data is available => Existing DP => calculate NRP based on 15' data

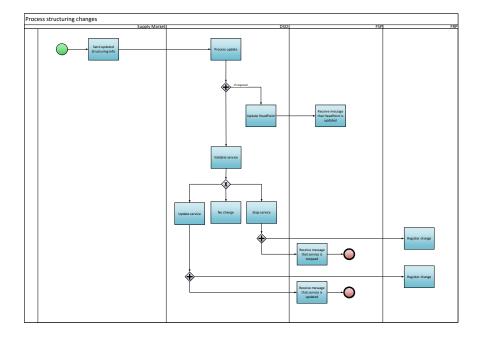# Interactions between flex and supply markets

Synergrid
Voice of the networks

Interactions with supply market

MG Flex: New chapter added which describes the impact of Structure modules from the supply market.

Description of impact per Module

Module	Label	Impacted Flex process	Remark
Activations			
Move in		/	Flex not possible before move in
~~Activate HeadPoint~~			
Switches			
Start Access			
	Supplier Switch	Stop service	The SDP-Flex will only be ended if the validation of the SDP-Flex fails due to the updated supplier.
	Customer Switch	Stop service	
	Combined Switch	Stop service	
Initiate Local Production			
	Supplier Switch	Stop service	The SDP-Flex will only be ended if the validation of the SDP-Flex fails due to the updated supplier.
	Customer Switch	Stop service	
	Combined Switch	Stop service	
Update BRP		Stop service	The SDP-Flex will only be ended if the validation of the SDP-Flex fails due to the updated BRP.
Initiate Leaving Customer		Stop service	
Updates			
Update Customer Metering Configuration		Stop service	The SDP-Flex will only be ended if the validation of the SDP-Flex fails due to the metering configuration.
Update Business Master Data		/	
~~Update HeadPoint~~			
Update Technical Master Data		Update service	
Initiate Update Access		/	
Deactivations			
Move Out		Stop service	
~~Deactivate HeadPoint~~			
Initiate Stop Access		Stop service	
Other			
Cancel		Stop or updated service	See the relevant cancelled process
Request rectification		Stop or updated service	See the relevant rectified process
Preswitching		/	
Request start		/	

Process flow

aFRR LV implementation

Pooling & Aggregation via LV Delivery Point Group

To efficiently handle large numbers of Delivery Points on LV, the concept of 'Low Voltage Delivery Point Group' is introduced.

<u>Low Voltage Delivery Point Group:</u>

"A group of Service Delivery Point Flex (SDP-Flex) for 1 flexibility product – connected to the LV grid – which can be used for the simplification of pool management and aggregation of metering data"

A LV Delivery Point Group has a unique identifier (EAN) and is linked with a single:

- FRP
- FSP
- Product

Automate Onboarding process for LV

As-is
Depending on the product, FSP's need to send the onboarding request via:
- FlexHub Portal
- Mail
- csv

=> Different formats make it difficult to automate for both FSP as SO.

To-be
Automation of the Flex onboarding process.
=> for LV, first step towards automation by allowing a 'unified' request via:
- FlexHub Portal
- API

Unified request: a single request to create HP/DP/SDP & assign SDP to a LV Delivery Point group

Conversion will be tackled product per product. In the meantime, existing request formats remain allowed.
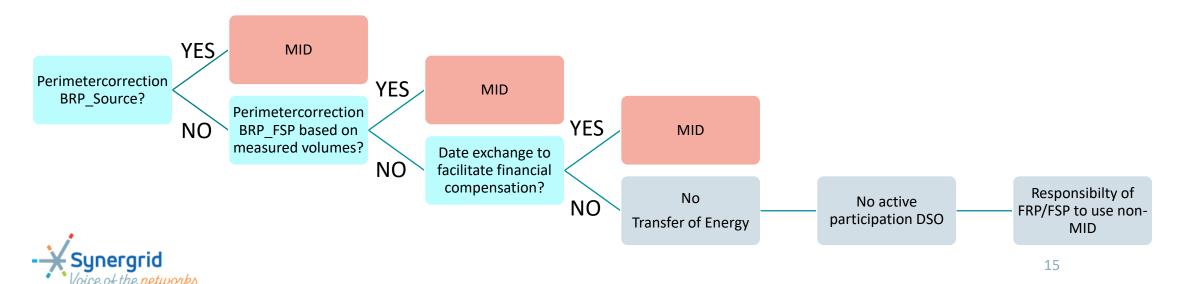
aFRR LV metering requirements

Proposal submetering requirements – aFRR without ToE

- DSOs & TSO has commonly agreed:
    - For Fast Track aFRR on LV
    - MID requirements are not required as long as
        - Regime Opt_Out is mandatory on aFRR
        - Not in conflict with EMD Reform (cfr Dedicated Measurement Devices)
        - Not in conflict with any regulations
    - Elia is mandated to define new metering requirements for Fast Track aFRR on LV

```
Perimetercorrection          YES         MID
BRP_Source?
                   NO
            Perimetercorrection     YES       MID
            BRP_FSP based on
            measured volumes?
                         NO
                    Date exchange to      YES       MID
                    facilitate financial
                    compensation?
                                NO
                           No              No active          Responsibilty of
                           Transfer of Energy    participation DSO       FRP/FSP to use non-MID
```

Proposal submetering requirements – aFRR without ToE

Connecting power	Voltage level to which the submeter device is connected	Minimum accuracy class of components in the submeter device		
		TP	TI	Watt meter
< 100 kVA	LV	NA	0,5	See table
	LV	NA	NA	

Connecting power kW	Requirement inaccuracy [IEC terminology]
≥ 32 <100	2%
≥11 < 32	3.5%
≥4 < 11	6%
< 4	10%

Assumption:
- Small assets are combined in a **portfolio with a minimum bid size of 100 kW**
- The minimum portfolio accuracy is simulated **to be compliant to the IEC norm 2%**, the MID compliancy is not required on individual asset level
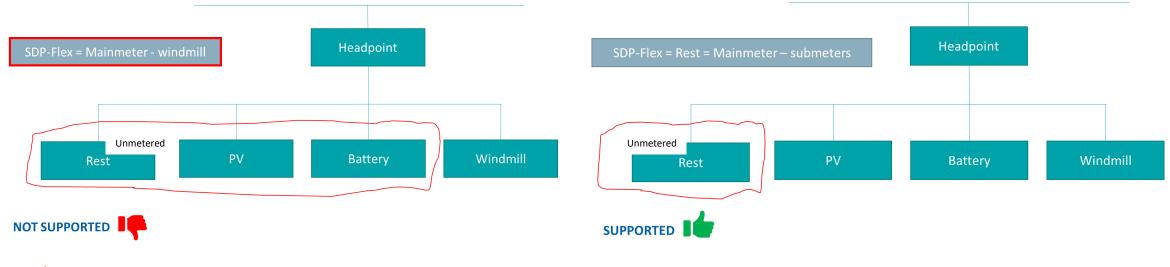
Calculated Meter

Virtual Calculation

- Proposal:
  - Keep existing cases as is
  - Virtual calculation for new cases can still be supported if:
    - The requested flex power (mFRR up/down) is above a threshold > 100kW (in order to keep the number of cases under control)
    - The calculation is uniform, i.e. only "rest meter" calculation (substract all submeters from main meter)

SDP-Flex = Mainmeter - windmill

Headpoint

Unmetered

Rest | PV | Battery | Windmill

NOT SUPPORTED

SDP-Flex = Rest = Mainmeter − submeters

Headpoint

Unmetered

Rest | PV | Battery | Windmill

SUPPORTED

CDSO

Incorporate CDSO in documentation Flex

- In collaboration with Febeliec
- New solution will not be ready in Doc Rel 2, given complexity e.g.
  - Not all Synergrid Flex-documents are applicable on CDSOs
  - Several setups of CDSO (eg BA end users known by DSO, other CDSO end users not)
  - Roles & Responsibilities CDSO vs DSO/TSO in Flex-context should be ellaborated
  - Data exchange between CDSO & DSO/TSO should be described
  - …
- Existing solution can be used: Connection Point = SDP Flex
- Next step:
  - Redaction of separate document describing Flex-processes for CDSO end users
  - With possibility to have separate consultation

NFS

Doc Rel 1b & Doc Rel 2

1 NFS description for three regions

Goal: allign NFS procedure over the three regions.

Disclaimer: applicable after validation Doc Rel 2 (implementation needed)

If an NFS is required for a product, as stipulated in Annex 1 of the FSP-DSO contract, the FSP/DGU must request an NFS.

This request is included as part of the request to onboard a low voltage delivery point.

For delivery points on low voltage, the results of the NFS will be green by default.

However, the DSO has the right to impose constraints if operational safety of the grid is in danger. In that case the NFS will be calculated.

Practicalities

Public consultation practicalities

- Public consultation guided by Synergrid in mandate of the DSOs
- Public consultation starts on 15/12/2023, 16u00
    - Documents published on website Synergrid
    - Mail to PDG-participants with link to published documents
- Public consultation will be closed on 26/01/2024, 23u59
- Feedback is possible via the Synergrid website
    - Attachments possible
    - Confirmation of completed form send by mail including overview of your submitted feedback
- If any problem… contact marketconsultation@synergrid.be. We are happy to help you.

WE WISH YOU

Merry Christmas

&

HAPPY NEW YEAR