

# BSP model's technical go-live, what will happen on 10.10.2022?

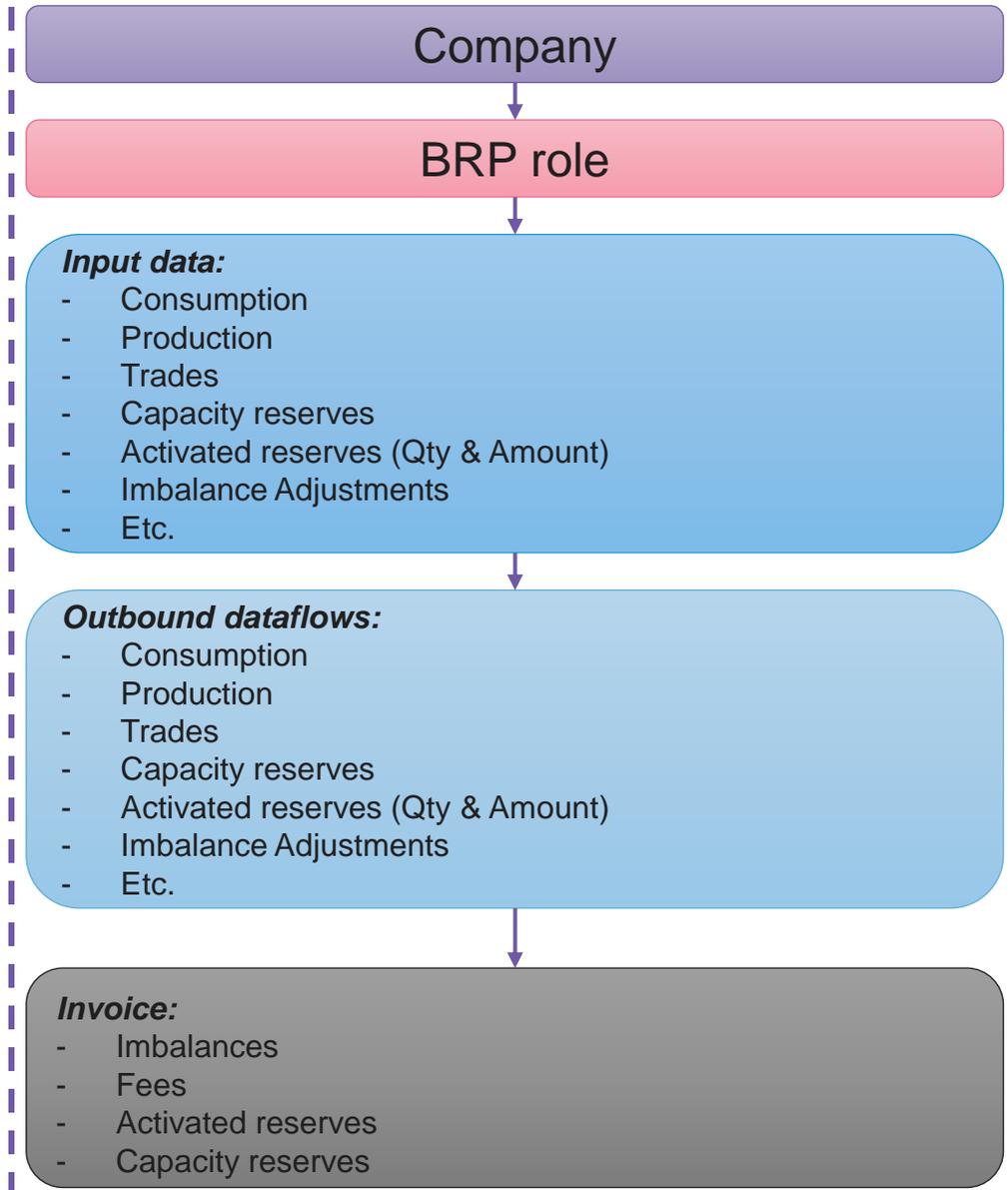
Customer Committee 12.05.2022

# General

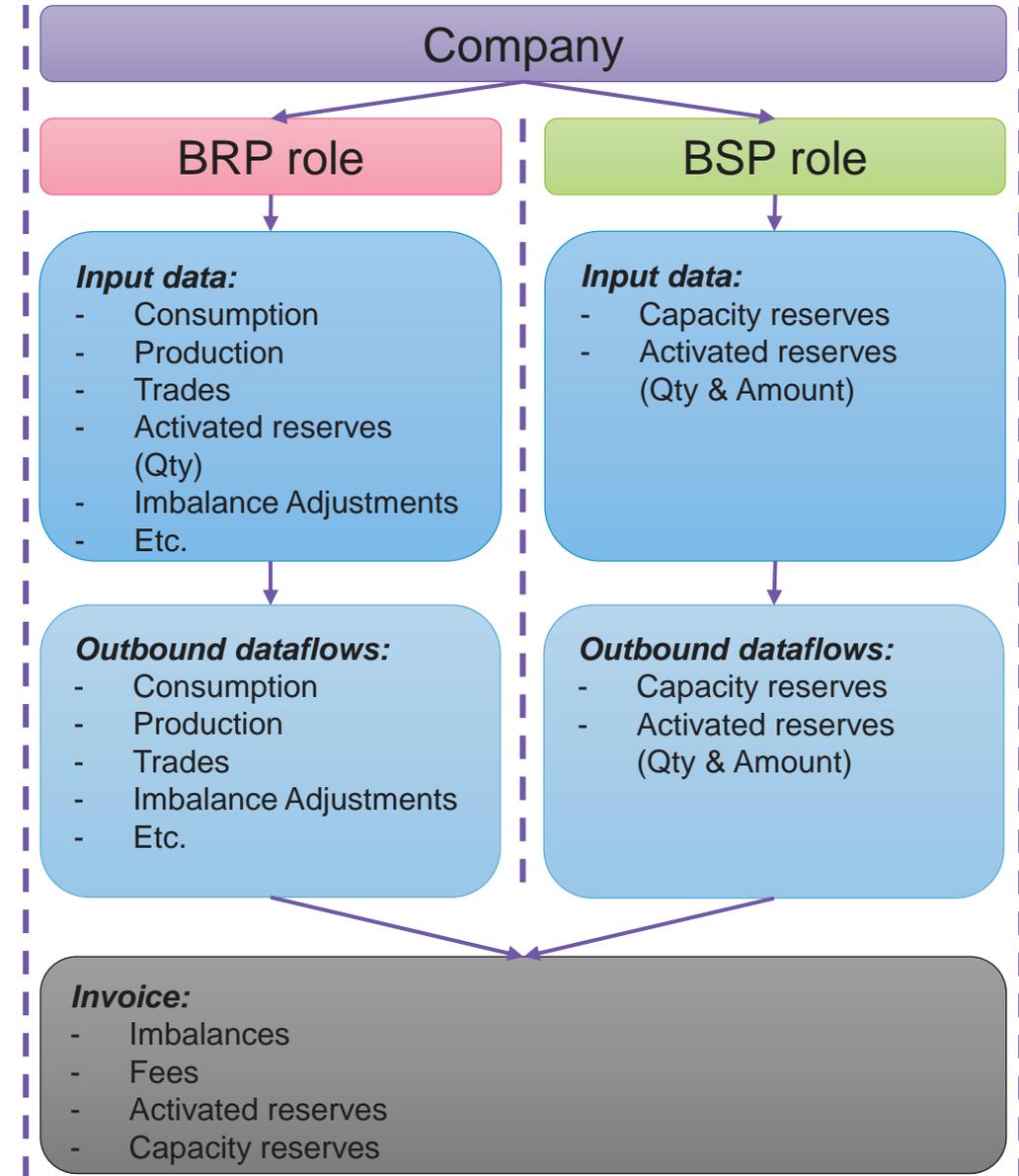
- The BSP technical go-live date will be on **10.10.2022 00:00 CET**
- This implemented BSP model is affecting **only for TSOs and BRPs** which have valid activated and/or capacity reserves in the imbalance settlement carried out by eSett.
- The business go-live schedule is still open
  - The go-live date will be separately decided for each country
  - After business go-live, individual BSPs are allowed to enter in the market settled by eSett
- More information can be found from our project website:
  - [Website](#)
  - [Commissioning plan](#)
  - [Draft of NBS Handbook including the BSP model](#)



## Current situation, a company with the BRP role

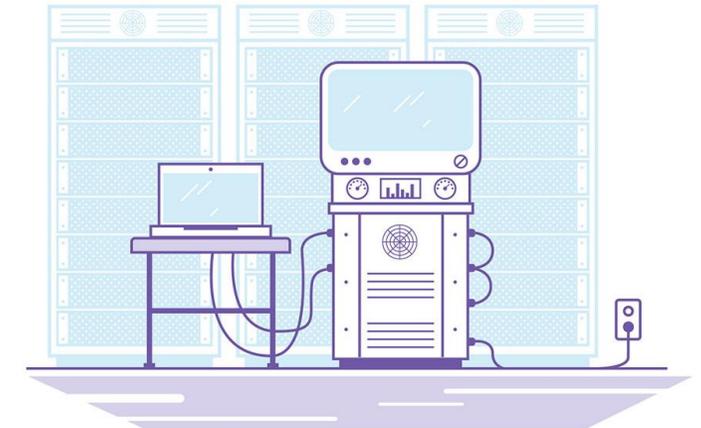


## Situation after BSP technical go-live



# What the technical GL means from structure point of view?

- eSett will create for all BRPs that have activated reserves and/or capacity reserves a BSP role for that specific country where the BRP is active
  - In practice it means BSP role and BSP branch
  - Structure info, like market party code, contact person etc., will be taken based on the BRP information
  - Start date: 10.10.2022 00:00 CET for all BSPs
- RO-BSP relation will be created starting from 10.10.2022 00:00 CET and BSP will be same as RO's BRP
- All Activated reserves will get also a BSP structure information starting from 10.10.2022 00:00 CET
  - BRP will continue normally as a structure information
- All Capacity reserves' BRP attribute will be replaced by the BSP attribute
  - In practice all current time series will be terminated to timestamp 9.10.2022 24:00 CET and same, but new ones with market party BSP, will be created starting from 10.10.2022 00:00 CET
- Activated & capacity reserves' data package subscriptions will be added to the BSP side reflecting the BRP's subscription selection(s)



# BSP data on Online Service

- Activated reserves
  - Details, RO, MWh and EUR
- Capacity reserves
  - Details, MW and EUR

The screenshot shows the eSett Online Service interface. A blue sidebar menu is open, highlighting 'Others' and 'Reserves'. The main content area shows a table with columns: From, To, Regulation Object, BRP, MBA, Balancing Service, Balancing Sub Service, and Direction Type. The table contains 7 rows of data for the period 15.03.2021 00:00 to 15.03.2021 00:00.

From	To	Regulation Object	BRP	MBA	Balancing Service	Balancing Sub Service	Direction Type
15.03.2021 00:00	Undefined	S1 RO1	S1 BRP1	FI	Frequenc...	FCR	Consumption
15.03.2021 00:00	Undefined	S1 RO3	S1 BRP2	FI	Frequenc...	FCR	Consumption
15.03.2021 00:00	Undefined	S1 RO5	S1 BRP3	FI	Frequenc...	FCR	Consumption
15.03.2021 00:00	Undefined	S1 RO4	S1 BRP2	FI	Frequenc...	FRR-A	Production
15.03.2021 00:00	Undefined	S1 RO6	S1 BRP3	FI	Frequenc...	FRR-A	Production
15.03.2021 00:00	Undefined	S1 RO4	S1 BRP2	FI	Frequenc...	Hour Cha...	Production
15.03.2021 00:00	Undefined	S1 RO6	S1 BRP3	FI	Frequenc...	Hour Cha...	Production

The screenshot shows the 'Aggregations' tab in the eSett Online Service. It displays a detailed time series table for the period 01.11.2021 to 05.11.2021. The table has columns for Date, Day, and values for each day of the week. A dropdown menu is open, showing options for 'Up Amount', 'Up Quantity', 'Down Quantity', 'Up Amount', and 'Down Amount'.

Date	01.11.2021	02.11.2021	03.11.2021	04.11.2021	05.11.2021
00:00-01:00	-1 620,00	-1 260,00	-270,00	-1 170,00	
01:00-02:00	-1 350,00	-1 080,00	-2 520,00	-2 430,00	
02:00-03:00	-3 510,00	-2 250,00	-3 690,00	-2 430,00	-2 790,00
03:00-04:00	-3 690,00	-4 410,00	-4 140,00	-3 420,00	-3 150,00
04:00-05:00	-4 860,00	-4 050,00	-4 050,00	-5 400,00	-4 230,00
05:00-06:00	-5 040,00	-5 400,00	-6 120,00	-5 670,00	-5 670,00
06:00-07:00	-7 301,10	-6 131,10	-6 041,10	-5 861,10	-7 121,10
07:00-08:00	-6 480,00	-6 750,00	-7 290,00	-7 290,00	-7 740,00
08:00-09:00	-8 291,07	-8 381,07	-8 831,07	-8 381,07	-8 381,07
09:00-10:00	-9 180,00	-9 540,00	-9 900,00	-9 540,00	-8 910,00
10:00-11:00	-9 900,00	-9 360,00	-9 720,00	-10 620,00	-11 160,00
11:00-12:00	-10 080,00	-10 350,00	-11 070,00	-11 790,00	-11 340,00
12:00-13:00	-11 250,00	-11 880,00	-12 150,00	-12 150,00	-12 600,00
13:00-14:00	-12 060,00	-11 880,00	-12 060,00	-13 590,00	-13 410,00
14:00-15:00	-14 220,00	-14 130,00	-13 320,00	-14 490,00	-14 220,00
15:00-16:00	-14 760,00	-13 860,00	-13 860,00	-15 210,00	-15 480,00
16:00-17:00	-15 840,00	-15 210,00	-15 120,00	-15 750,00	-15 930,00
17:00-18:00	-16 740,00	-16 920,00	-17 370,00	-17 100,00	-15 750,00
18:00-19:00	-17 010,00	-17 190,00	-17 100,00	-17 460,00	-18 360,00
19:00-20:00	-17 910,00	-17 910,00	-17 820,00	-18 900,00	-17 820,00
20:00-21:00	-19 091,10	-18 911,10	-18 911,10	-19 361,10	-18 101,10
21:00-22:00	-19 698,90	-20 688,90	-20 148,90	-20 058,90	-20 238,90
22:00-23:00	-20 970,00	-20 070,00	-21 870,00	-21 420,00	-21 240,00
23:00-24:00	-21 150,00	-20 970,00	-20 970,00	-22 770,00	-21 150,00
Min	-21 150,00	-20 970,00	-21 870,00	-22 770,00	-21 240,00
Max	-1 350,00	-1 080,00	-270,00	-1 170,00	-540,00
Total	-272 002,17	-268 582,17	-274 342,17	-281 272,17	-277 582,17

# BSP data on Online Service

- Regulation Object (RO) structural information
- Fees
- Messages
- Market structures

Status	Number	Week	Invoice Date	Invoice Due Date	Total Amount	Country	Invoice Type	File
Paid	2000104108	35 (30.08.-05.09.)	27.10.2021	29.10.2021	17 726.43 EUR	Finland	Debit Notice	<a href="#">PDF</a> <a href="#">XML</a>

Rows count: 1 of 1

Regulation Object	MBA	Type	BRP	From	To
S1 RO1	FI	Consumption	S1 BRP1	01.01.2021 00:00	Undefined
S1 RO2	FI	Production (Normal)	S1 BRP1	01.01.2021 00:00	Undefined
S1 RO3	FI	Consumption	S1 BRP2	01.01.2021 00:00	Undefined
S1 RO4	FI	Production (Normal)	S1 BRP2	01.01.2021 00:00	Undefined
S1 RO5	FI	Consumption	S1 BRP3	01.01.2021 00:00	Undefined
S1 RO6	FI	Production (Normal)	S1 BRP3	01.01.2021 00:00	Undefined

Total pages: 1 (6 rows)

# BSP data on Online Service

- Data packages:

Name	Format	Frequency	Period from ⓘ	Period to ⓘ	Granularity	Subscription	
Tertiary Replacement Reserves (RR)	BSP Activated Reserves	Daily	D-14	D-1	Hourly	Inactive	☰
Primary Frequency Containment Reserves (FCR)	BSP Activated Reserves	Daily	D-14	D-1	Hourly	Active in CET	☰
Secondary Frequency Restoration Reserves (FRR)	BSP Activated Reserves	Daily	D-14	D-1	Hourly	Inactive	☰
Secondary Frequency Restoration Reserves (FRR) – contracted reserves	BSP Capacity Reserves	Daily	D-14	D-1	Hourly	Active in CET	☰
Tertiary Replacement Reserves (RR) – contracted reserves	BSP Capacity Reserves	Daily	D-14	D-1	Hourly	Inactive	☰
Primary Frequency Containment Reserves (FCR) – contracted reserves	BSP Capacity Reserves	Daily	D-14	D-1	Hourly	Inactive	☰
Imbalance prices per Market Balance Area (MBA)	Prices	Daily	D-14	D-1	Hourly	Active in CET	☰

- One attribute (receiver role) will be changed in the dataflows due to the BSP model:

BRS/document	Change	New value
NEG ERRP Reserve Allocation Result document	One new <i>Receiver Role</i> attribute	A46 (Balancing Service Provider)

- BRS documentation [link](#)

# Example of xml change in Online Service

```

<?xml version="1.0" encoding="utf-8"?>
<ReserveAllocationResultDocument xsi:schemaLocation="urn:ediel.org:neg:errp:reserveallocationresultdocument:1:0 ur
<DocumentIdentification v="doc8a4316e0a48cd91b60ccbdb008ab4" />
<DocumentVersion v="1" />
<DocumentType v="A38" />
<ProcessType v="A30" />
<SenderIdentification v="44X-00000000004B" codingScheme="A01" />
<SenderRole v="A05" />
<ReceiverIdentification v="987654321" codingScheme="A10" />
<ReceiverRole v="A05" />
<CreationDateTime v="2022-01-01T00:00:00Z" />
<ReserveBidTimeInterval v="2022-01-01T00:00Z/2022-01-01T22:00Z" />
<Domain v="10Y1001A1001A91G" codingScheme="A01" />
<AllocationTimeSeries>
  <TimeSeriesIdentification v="123456789" />
  <TenderingParty v="123456789" codingScheme="A10" />
  <BusinessType v="A10" />
  <AcquiringArea v="10YFI-1-----U" codingScheme="A01" />
  <ConnectingArea v="10YFI-1-----U" codingScheme="A01" />
  <MeasureUnitQuantity v="MWH" />
  <Currency v="EUR" />
  <MeasureUnitPrice v="MWH" />
  <ReserveObject v="123ABC" codingScheme="NFI" />
  <Direction v="A01" />
  <Period>
    <TimeInterval v="2022-01-01T00:00Z/2022-01-01T23:00Z" />
    <Resolution v="PT1H" />
    <Interval>
      <Pos v="1" />
      <Qty v="0" />
      <SettlementAmount v="0" />
    </Interval>
    <Interval>
      <Pos v="2" />
      <Qty v="0" />
      <SettlementAmount v="0" />
    </Interval>
    .....
    <Interval>
      <Pos v="24" />
      <Qty v="0" />
      <SettlementAmount v="0" />
    </Interval>
  </Period>
  <Reason>
    <ReasonCode v="Z31" />
  </Reason>
</AllocationTimeSeries>
</ReserveAllocationResultDocument>

```

New receiver role "A46"



```

<?xml version="1.0" encoding="utf-8"?>
<ReserveAllocationResultDocument xsi:schemaLocation="urn:ediel.org:neg:errp:reserveallocationresultdocument:1:0 ur
<DocumentIdentification v="doc8a4316e0a48cd91b60ccbdb008ab4" />
<DocumentVersion v="1" />
<DocumentType v="A38" />
<ProcessType v="A30" />
<SenderIdentification v="44X-00000000004B" codingScheme="A01" />
<SenderRole v="A05" />
<ReceiverIdentification v="987654321" codingScheme="A10" />
<ReceiverRole v="A46" />
<CreationDateTime v="2022-01-01T00:00:00Z" />
<ReserveBidTimeInterval v="2022-01-01T00:00Z/2022-01-01T22:00Z" />
<Domain v="10Y1001A1001A91G" codingScheme="A01" />
<AllocationTimeSeries>
  <TimeSeriesIdentification v="123456789" />
  <TenderingParty v="123456789" codingScheme="A10" />
  <BusinessType v="A10" />
  <AcquiringArea v="10YFI-1-----U" codingScheme="A01" />
  <ConnectingArea v="10YFI-1-----U" codingScheme="A01" />
  <MeasureUnitQuantity v="MWH" />
  <Currency v="EUR" />
  <MeasureUnitPrice v="MWH" />
  <ReserveObject v="123ABC" codingScheme="NFI" />
  <Direction v="A01" />
  <Period>
    <TimeInterval v="2022-01-01T00:00Z/2022-01-01T23:00Z" />
    <Resolution v="PT1H" />
    <Interval>
      <Pos v="1" />
      <Qty v="0" />
      <SettlementAmount v="0" />
    </Interval>
    <Interval>
      <Pos v="2" />
      <Qty v="0" />
      <SettlementAmount v="0" />
    </Interval>
    .....
    <Interval>
      <Pos v="24" />
      <Qty v="0" />
      <SettlementAmount v="0" />
    </Interval>
  </Period>
  <Reason>
    <ReasonCode v="Z31" />
  </Reason>
</AllocationTimeSeries>
</ReserveAllocationResultDocument>

```



WE SETTLE, TOGETHER!

