

Decommissioning of Minor Production

Introduction and Impact Analysis

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Background

- Split between Normal and Minor production types is a remnant from the two-balance model prior November 2021
 - Normal production was handled in Production Imbalance
 - Minor production was handled in Consumption Imbalance
- Now there is no longer a real need to have this type of separation
 - In fact, some countries now handle both types basically the same way

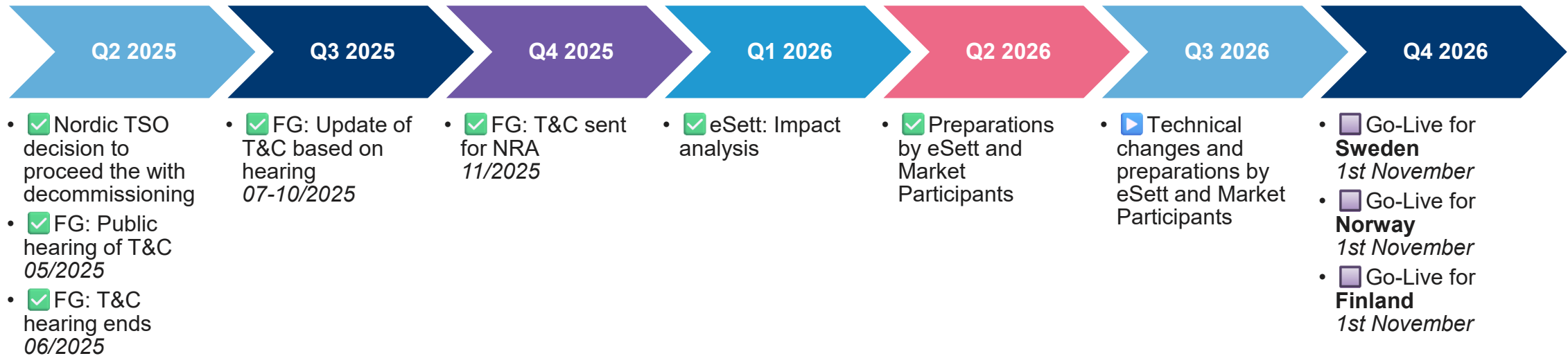


Introduction



- Plan is to change the type of all existing Minor Production to Normal.
 - Production Units (PU)
 - Merged Production
- If possible, the change will be coordinated to happen at the same time in Finland, Norway and Sweden.
 - There is no minor production in Denmark.
- eSett will handle the technical Production Type change for PUs in the settlement system.
 - Merged Production will change automatically through Datahub/DSO reporting.
- The change will impact market participants:
 - BRPs: receiving of data
 - DSOs/Datahubs: sending **and** receiving of data
 - TSOs: receiving of data **and** reports.

Nordic Time Plan



Impact Analysis

Use of Minor Production per Country

Business Area	 Finland	 Norway	 Sweden
Limit	< 1 MW	< 3 MW	< 1 MW
Production Units	✓	✓	✗
Merged Production	✗	✓	✓
Regulation Objects	✓	✓	✗
Is <u>not</u> part of Volume Fee	✓	✗	✗
Netting with consumption	✓	✗	✗
Incoming data from DSOs	✗	✗	✓
Incoming data from Datahub	✓	✓	✗
Outgoing data to BRPs	✓	✓	✓
Outgoing data to DSOs	✓	✓	✓
Outgoing data to Datahub	✗	✗	✗

✓ = Impact

✗ = No impact

Example of the Technical Change in eSett (1/2)

- All minor production PUs will have a set date from which the Production Type will be Normal.
 - PUs, and Production MECs will appear as two separate rows with different validities (as seen below and on the next slide), while they are one and same.
- All minor Regulation Objects will have a set date from which the Production Type will be Normal.
 - ROs will appear as two separate rows with different validities (as seen on right), while they are one and same.

Regulation Object	MBA	Type	From	To	
Example Regulation Object	NO1	Production (Normal)	01.09.2026 00:00	Undefined	≡
Example Regulation Object	NO1	Production (Minor)	02.01.2017 00:00	31.08.2026 24:00	≡

Structures > Production Units

Production Units
New Production Unit

View Requests
Help

Validity
Active
19.03.2026
-
Undefined

Production Unit
Example PU

Type

Production Unit Code

MGA

BRP

RE

Production Type
All
Minor
Normal

Filter
Clear

Refresh
Export to Excel
Save Settings
Restore Default
View Columns

Total pages: 1 (2 rows)
1

Example of the Technical Change in eSett (2/2)

Input Data > Production

Productions Overview Help

Validity: 10.03.2026 - Undefined

MEC ID: MEPR49190, MEPR49191, PROD124907

MBA:

MGA: Grid Area

Production Unit:

Production Unit Type:

Production Type: ☒ All ☐ Minor ☐ Normal

RE: Retailer AB

BRP:

Filter Clear

Refresh Export to Excel Save Settings Restore Default View Columns

From	To	MEC ID	RE	BRP	MBA	MGA	Production Unit	Production Type	PU Type
01.01.2026 00:00	14.09.2026 24:00	MEPR49190	Retailer AB	BRP AB	SE3	Grid Area		Minor	Solar
01.09.2026 00:00	Undefined	MEPR49191	Retailer AB	BRP AB	SE3	Grid Area		Normal	Solar
07.07.2025 00:00	31.08.2026 24:00	PROD124907	Retailer AB	BRP AB	SE1	Grid Area	Example PU	Minor	Hydro
01.09.2026 00:00	Undefined	PROD124907	Retailer AB	BRP AB	SE1	Grid Area	Example PU	Normal	Hydro

Total pages: 1 (4 rows)

- Merged production will be two separate MECs, and the change is subject to DSO/Datahub reporting of data.
 - Some overlap may occur if/when the MEC for minor merged production is not terminated to the start date/time of the MEC for normal merged production.
- Production Plan MECs will also be two separate MECs, but the change is linked to the RO change on the previous slide.

Changes to BRPs (1/3)

Business Area	 Finland	 Norway	 Sweden
Limit	< 1 MW	< 3 MW	< 1 MW
Production Units	✓	✓	✗
Merged Production	✗	✓	✓
Regulation Objects	✓ (only 3)	✓	✗
Is <u>not</u> part of Volume Fee	✓	✗	✗
Netting with consumption	✓	✗	✗
Incoming data from DSOs			
Incoming data from Datahub			
Outgoing data to BRPs	✓	✓	✓
Outgoing data to DSOs			
Outgoing data to Datahub			

✓ = Impact

✗ = No impact

Changes to BRPs (2/3)

- Visual changes in Online Service (Production Types: Minor → Normal)
 - Production Units
 - Regulation Objects
 - Production MECs
 - Merged Production MECs.
- Several data flows from eSett to BRP:
 - Changes shall apply from the delivery day specified by TSO and/or eSett.
 - Generic data packages:
 - Normal Production per BRP and MBA → Renaming to “Production per BRP and MBA” and will contain also current minor production
 - This will **not** impact the the attribute 'DocumentType' which will stay as “NORMAL_PROD_BRP_MBA_15M”.
 - Minor Production per BRP and MBA → will be discontinued.
 - Specific data packages & Information Service – change of Production Type code:
 - (DP) REs' Merged Production Data per Type and MGA / (INFS) Merged Production request:


```
<ProductionType listAgencyIdentifier="330">Z02</ProductionType>
```

 changes to →

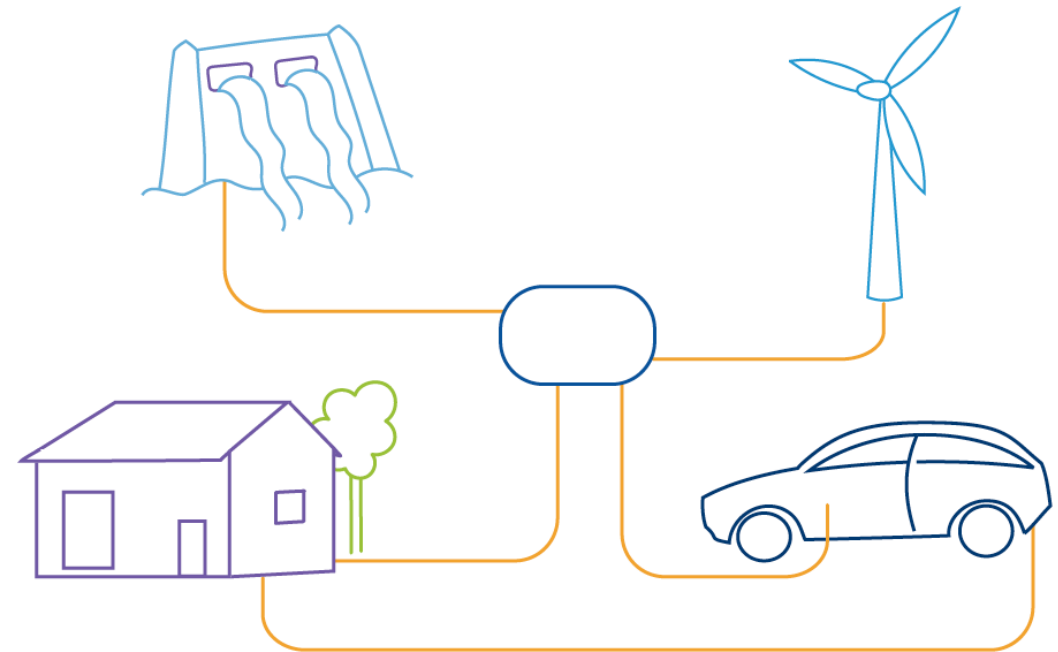

```
<ProductionType listAgencyIdentifier="330">Z01</ProductionType>
```



Changes to BRPs (3/3)

Finland only:

- Netting possibility with same RE's consumption will be more limited.
 - Production of under 1 MW can't be netted with the RE's consumption, and it needs to be reported separately.
 - **Exceptions:**
 - Netting behind the same meter is still allowed for production of < 100 kW capacity, so the netted result of consumption and production may be used.
 - Production from reserve power generators that are only intended for temporary use and disturbance management purposes can be netted with the RE's consumption.
- Now BRPs in Finland have not paid *Volume Fee* from minor production, but after the change, all production will be included when calculating the *Volume Fee*.
- Production plans will be required only from production units that have a capacity of ≥ 1 MW.
 - No change to current situation.



Changes to DSOs (1/4)

Business Area	 Finland	 Norway	 Sweden
Limit	< 1 MW	< 3 MW	< 1 MW
Production Units	✓	✓	✗
Merged Production	✗	✓	✓
Regulation Objects			
Is <u>not</u> part of Volume Fee			
Netting with consumption	✓	✗	✗
Incoming data from DSOs	✗	✗	✓
Incoming data from Datahub			
Outgoing data to BRPs			
Outgoing data to DSOs	✓	✓	✓
Outgoing data to Datahub			

✓ = Impact

✗ = No impact

Changes to DSOs (2/4)

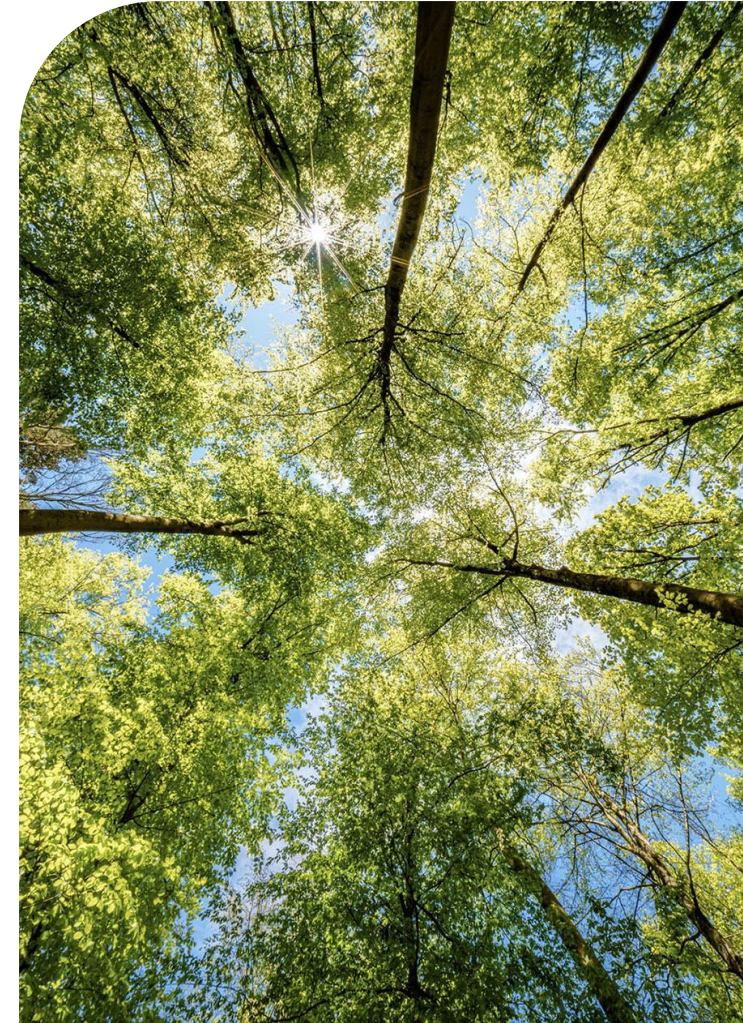
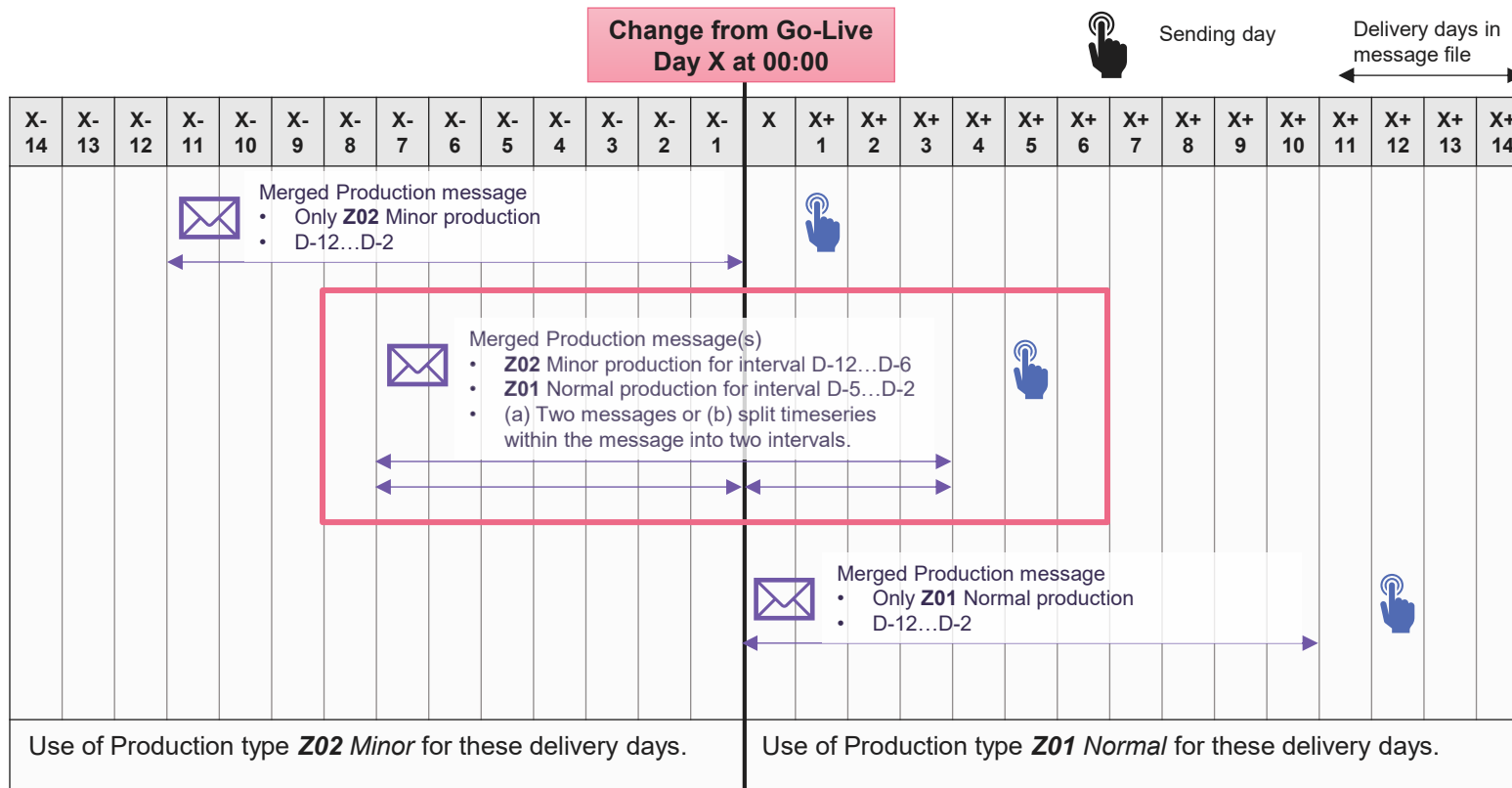


- Visual changes in Online Service (Production Types: Minor → Normal)
 - Production Units
 - Production MECs
 - Merged Production MECs.
- 🇸🇪 • Sweden only: reporting from DSO to eSett:
 - Merged Production – change of Production Type code:
 - `<ProductionType listAgencyIdentifier="330">Z02</ProductionType>` (minor) → `<ProductionType listAgencyIdentifier="330">Z01</ProductionType>` (normal)
 - Apply starting from the delivery date specified by TSO and/or eSett.
- Several data flows that contain the Production Type code will change:
 - Specific data packages & Information Service:
 - (DP) REs' Merged Production Data per Type and MGA
 - (DP) Production Units (Active)
 - (DP) Production Units (Delta)
 - (INFS) Merged Production request
 - `<ProductionType listAgencyIdentifier="330">Z02</ProductionType>` changes to → `<ProductionType listAgencyIdentifier="330">Z01</ProductionType>`

Changes to DSOs (3/4)

Reporting Merged Production with old and new codes to eSett.
Examples where DSO reports on D+2 for the open period.

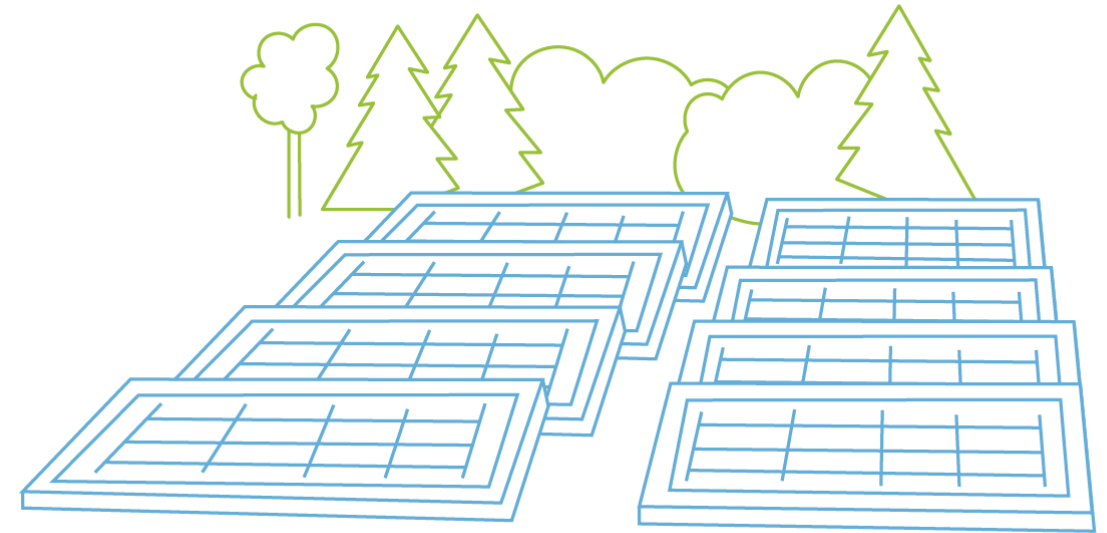
There is a risk of duplicate or missing values from DSO reporting.



Changes to DSOs (4/4)

Finland only:

- Netting possibility with same RE's consumption will be more limited.
 - Production of under 1 MW **can't be netted** with the RE's consumption, and it **needs to be reported separately**.
 - **Exceptions:**
 - Netting behind the same meter is still allowed for production of < 100 kW capacity, so the netted result of consumption and production may be used.
 - Production from reserve power generators that are only intended for temporary use and disturbance management purposes can be netted with the RE's consumption.





We settle, together!