

BALANCING STAND-UP

28 March 2023

Christian Rutherford & Cathrine Sjøegaard

UPDATES FROM LAST MEETING

Issues raised at previous meetings	Update
Faxe physical flow on EDS	ENERGI DATA SERVICE
Evaluation of NPP	Ignore these points in this first iteration, will be part of evaluation report for commenting in next stage

PENDING ISSUES

Issues raised at previous meetings	Update
Marsit 14G messaging	Will be solved when 11:15 run is reintroduced, expected in connection with, or shortly after invoicing
Invoicing – timing	Expected mid/end March
Timing of ASB (xx.10 vs. xx:15)	Not possible with technical quick fix, need to investigate other short-term solutions
Wrong EGSI price reference on EDS	Working on including correct price reference
Energy balance format not correct on Energinet Online	Original issue solved, however excel format is now incorrect

ISSUES FROM LAST WEEK

Issues from last week	Update
Wrong ASB value on 22 March	Solved same evening
0 as value for DMS from Evida 26-27 March	Discuss with Evida what happened

POSSIBLE NEW FEATURES

- Sum of causers
- Change traded yellow zone value from only marginal volume to both marginal and total volume on portal
- Causer prices on EDS
- **Smoothing values on web portal**
- **ASB + Green zone on EDS**



BALANCING STAND-UP

21 March 2023

Christian Rutherford & Cathrine Sjøegaard

SOLVED ISSUES FROM LAST MEETINGS

Issues raised at previous meetings	Update
Balance price update on EDS	Is now updated every day at 12:00
GTF matching issue – need to send message twice	Does not occur anymore

PENDING ISSUES

Issues raised at previous meetings	Update
Smoothing values on web portal	Working on solution with IT provider
Marsit 14G messaging	Will be solved when 11:15 run is reintroduced, expected in connection with, or shortly after invoicing
Invoicing – timing	Expected mid/end March
Timing of ASB (xx.10 vs. xx:15)	Not possible with technical quick fix, need to investigate other short-term solutions
ASB + Green zone on EDS	Pending – focus on invoicing
Valid data for previous months	Data uploaded on “old” Energinet Online for October, November, December, January and February, also in energy balance format
Wrong EGSI price reference on EDS	Working on including correct price reference
Energy balance format not correct on Energinet Online	Original issue solved, however excel format is now incorrect

ISSUES FROM LAST WEEK

Issues from last week	Update
Wrong ASB based on measurement error on gas day 20 March (yesterday) – trading in yellow zone suspended	Solved (data error)

POSSIBLE NEW FEATURES

- Sum of causers
- Change traded yellow zone value from only marginal volume to both marginal and total volume on portal
- Causer prices on EDS



BALANCING STAND-UP

14 March 2023

Christian Rutherford & Cathrine Sjøegaard

PENDING ISSUES

Issues raised at previous meetings	Update
Smoothing values on web portal	Working on solution with IT provider
Marsit 14G messaging	Will be solved when 11:15 run is reintroduced, expected in connection with, or shortly after invoicing
Invoicing – timing	Expected mid/end March
Timing of ASB (xx:10 vs. xx:15)	Not possible with technical quick fix, need to investigate other short-term solutions
Balancing price update on EDS	Balancing prices updated until 12/3
ASB + Green zone on EDS	Pending – focus on invoicing
GTF matching issue – need to send message twice	To be discussed with IT-provider
Valid data for December (and January)	Data uploaded on “old” Energinet Online for December Working on October, November and January
Wrong EGSI price reference on EDS	Working on including correct price reference
Energy balance format not correct on Energinet Online	Pending - workaround via Excel

ISSUES FROM LAST WEEK

Issues from last week	Update
No yellow zone prices on Energinet Online on the gas day 10/3 + wrong trade for hour 4 (DA)	IT issue solved. However, no causer allocation, as trades were not included in the IT system. DA price for hour 4 will not be taken into account for invoicing end-of-day

POSSIBLE NEW FEATURES

- Sum of causers
- Change traded yellow zone value from only marginal volume to both marginal and total volume on portal
- Causer prices on EDS



BALANCING STAND-UP

7 March 2023

Christian Rutherford & Cathrine Sjøegaard

PENDING ISSUES

Issues raised at previous meetings	Update
Smoothing values on web portal	Working on solution with IT provider
Marsit 14G messaging	Will be solved when 11:15 run is reintroduced, expected in connection with, or shortly after invoicing
Invoicing – timing	Expected mid/end-March
Timing of ASB (xx:10 vs. xx:15)	Not possible with technical quick fix, need to investigate other short-term solutions
Balancing price update on EDS	Balancing prices updated until 28/2
ASB + Green zone on EDS	Pending – focus on invoicing
GTF matching issue – need to send message twice	To be discussed with IT-provider
Valid data for December (and January)	Will upload data on “old” Energinet Online
Wrong EGSI price reference on EDS	Working on including correct price reference
Energy balance format not correct on Energinet Online	Pending - workaround via Excel

POSSIBLE NEW FEATURES

- Sum of causers
- Change traded yellow zone value from only marginal volume to both marginal and total volume on portal
- Causer prices on EDS



BALANCING STAND-UP

28 February 2023

Christian Rutherford & Cathrine Sjøegaard

PENDING ISSUES

Issues raised at previous meetings	Update
Smoothing values on web portal	Working on solution with IT provider
Marsit 14G messaging	Will be solved when 11:15 run is reintroduced, expected in connection with, or shortly after invoicing
Invoicing - timing	Expected mid-March
Timing of ASB (xx.10 vs. xx:15)	Not possible with technical quick fix, need to investigate other short-term solutions
Balancing price update on EDS + ASB and green zone	Balancing prices updated until 19/2, will be updated again tomorrow (1/3)
GTF matching issue – need to send message twice	To be discussed with IT-provider
Valid data for December	Many did not receive data as expected via automatic messaging – will upload data on Energinet Online instead (also for January)

POSSIBLE NEW FEATURES

- Sum of causers
- Change traded yellow zone value from only marginal volume to both marginal and total volume on portal
- Causer prices on EDS



BALANCING STAND-UP

21 February 2023

Christian Rutherford & Cathrine Sjøegaard

SOLVED ISSUES FROM LAST MEETINGS

Issues raised at previous meetings	Update
Hourly data on new BP points	On EDS
Issues with allocation object validity affecting balance entry/exit	Solved
Nomination/allocation data	Workaround on old Energinet Online, also for new points (until on EDS)
Valid data for December	Has been forwarded via MARSIT on Friday afternoon (17/2)

PENDING ISSUES

Issues raised at previous meetings	Update
Smoothing values on web portal	Working on solution with IT provider
Marsit 14G messaging	Will be solved when 11:15 run is reintroduced, expected in connection with, or shortly after invoicing
Invoicing - timing	Expected mid-March
Timing of ASB (xx.10 vs. xx:15)	Mechanical change seems possible – but need final confirmation from IT-provider
Balancing price update on EDS + ASB and green zone	Pending
GTF matching issue – need to send message twice	To be discussed with IT-provider

POSSIBLE NEW FEATURES

- Sum of causers
- Change traded yellow zone value from only marginal volume to both marginal and total volume on portal
- NEW: causer prices on EDS

A decorative graphic on the left side of the slide, consisting of a complex network of thin, light teal lines forming a series of interconnected triangles and polygons, resembling a wireframe or a stylized map of a region.

BALANCING STAND-UP

14 February 2023

Christian Rutherford & Cathrine Sjøegaard

UPDATE ON GREEN ZONE

Total flexibility increased from today – based on new operational arrangement at Faxe IP

- Since 1 October, the total flexibility was fixed at 15 mil. kWh
 - Where 5 mil. kWh initially was reserved for smoothing
 - Where 10 mil. kWh + unused smoothing determined the green zone size
- From 14 February (today), the total flexibility is fixed at 25 mil. kWh
 - Where 5 mil. kWh is still initially reserved for smoothing
 - Where now 20 mil. kWh + unused smoothing determines the green zone size
- Energinet are still working on solving issues that will increase the average flexibility further
- Please note that the current flexibility may be reduced during shorter periods due to testing

SOLVED ISSUES FROM LAST MEETINGS

Issues raised at previous meetings	Update
Smoothing NOMRES	In production
Balancing prices on EDS	Partly solved: balancing prices are now on EDS, but is not updated on a daily basis yet

PENDING ISSUES

Issues raised at previous meetings	Update
Smoothing values on web portal	Working on solution with IT provider
Marsit 14G messaging	Will be solved when 11:15 run is reintroduced, expected in connection with, or shortly after invoicing
Valid data for December	Expect to forward DMS data this week via “normal” data channel. nDMS will follow later (and will be hourly)
Invoicing - timing	Discussion with IT-provider on timing – risk of later invoicing
Timing of ASB (xx.10 vs. xx:15)	Mechanical change seems possible – but need final confirmation from IT-provider
New: hourly data for new BP points	Pending – expected soon
New: Issues with allocation object validity affecting balance entry/exit	In dialogue with service provider to find cause and solution

POSSIBLE NEW FEATURES

- Sum of causers
- **New:** Change traded yellow zone value from only marginal volume to both marginal and total volume on portal



BALANCING STAND-UP

7 February 2023

Christian Rutherford & Cathrine Sjøegaard

UPDATE ON ISSUES FROM LAST MEETING

Issues raised at last shippers meeting	Update
New BP points on map	Pending – expected soon
“Jumps” in nDMS during the gas day	Due to estimates vs. measured data from DSO
Issues with allocation object validity affecting balance entry/exit	In dialogue with service provider to find cause and solution
Calculation to secure wrong trades in yellow zone	Working on different internal checks

PENDING ISSUES

Issues raised at previous meetings	Update
Balancing prices on EDS	Need to tidy up prices for previous months (related to issue with wrong placement of trades at night)
Smoothing NOMRES	Tested with success, waiting for deployment
Smoothing values on web portal	Working on solution with IT provider
Marsit 14G messaging	Will be solved when 11:15 run is reintroduced, expected in connection with, or shortly after invoicing
Valid nDMS data aggregated pr. day has been forwarded for October and November 2022	Will forward December data shortly. Investigating possibility to send data via “normal” data channel, where also nDMS will be hourly
NEW: Invoicing - timing	Invoicing for first months expected around 1 March – to ensure correct handling of special issues during the first months
Timing of ASB (xx.10 vs. xx:15)	Investigating both change of mechanical timing and change of process (as suggested last week)



BALANCING STAND-UP

31 January 2023

Christian Rutherford & Cathrine Sjøegaard

SOLVED ISSUES FROM LAST MEETINGS

Issues raised at last shippers meeting	Update
Error where trades made between 00:00 and 02:00 is placed on the wrong gas day	Solved
Gas Data right now on EDS - Faxe	Solved



BALANCING STAND-UP

24 January 2023

Christian Rutherford & Cathrine Sjøegaard

UPDATE ON ISSUES FROM LAST MEETINGS

Issues raised at last shippers meeting	Update
Publication of future green zone size (10 January)	Expected to be presented at next meeting (24th January) – presented today
Gas Data right now on EDS - Faxe	In progress
Daily balancing prices at EDS	In progress

UPDATE ON ISSUES FROM LAST WEEK

Issues discovered since last meeting	Update
Missing export of EDI-gas messages	Issue resolved, and messages have been reforwarded
Low consumption data	Caused by fallback data from distribution, issue resolved
Large entry/exit allocations in Swedish part of JEZ	In dialogue with Nordion/Swedish DSO's

GREEN ZONE CALCULATION (AFTER CURRENT ISSUES ARE RESOLVED)

Average green zone values, as a function of Baltic Pipe flow

Actual values may deviate due to other parameters

Main parameter:

- Baltic Pipe flow

Other relevant parameters:

- Flow from Tyra (higher flow, lower flexibility)
- Storage withdrawal (increases flexibility)
- Storage injection (lowers flexibility)
- General: more gas sources = more flexibility

Green zone average sizes:

- BP flow 20 pct: green zone 35 GWh + smoothing 5 GWh = 40 GWh (max.)
- BP flow 50 pct.: green zone 29 GWh + smoothing 5 GWh = 34 GWh
- BP flow 80 pct.: green zone 21 GWh + smoothing 5 GWh = 26 GWh
- BP flow 100 pct.: green zone 16 GWh + smoothing 5 GWh = 21 GWh

PENDING ISSUES

Issues raised at previous meetings	Update
Error where trades made between 00:00 and 02:00 is placed on the wrong gas day	Tested with success, waiting for deployment
Marsit 14G messaging	Will be solved when 11:15 run is reintroduced
Valid nDMS data aggregated pr. day has been forwarded for October and November 2022	We are currently investigating the possibility to send the data on an hourly basis. Distribution key based on profile from non-valid nDMS
Smoothing NOMRES	Tested with success, waiting for deployment
Smoothing values on web portal	Working on solution with IT provider
Missing GTF values	Specific case resolved Currently investigating the root cause of the issue
Investigate large causer share on the 29th December	Is being investigated Any error will be corrected at latest during the invoicing procedure



SLIDES FROM PREVIOUS MEETINGS



BALANCING STAND-UP

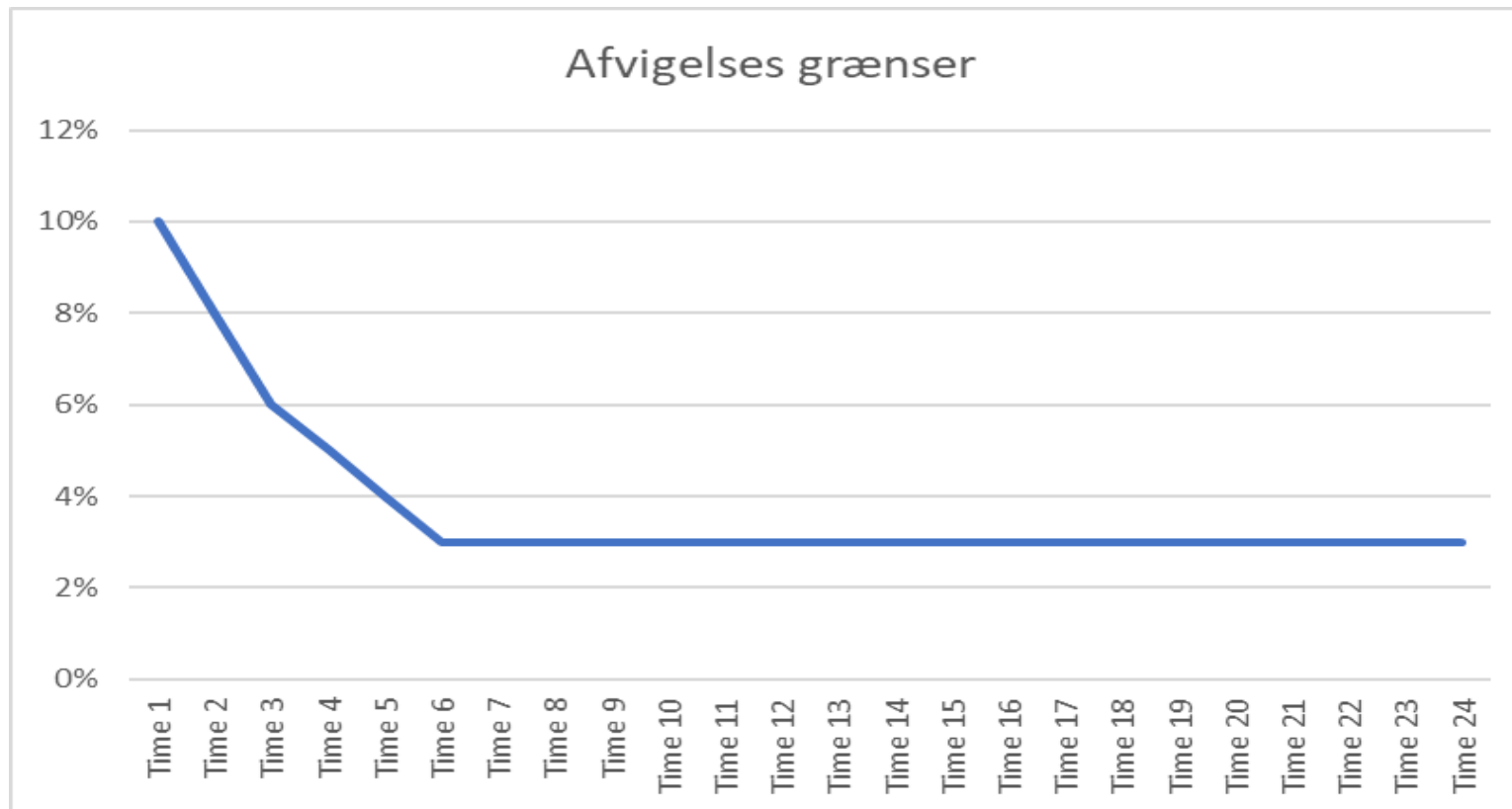
17 January 2023

Christian Rutherford & Cathrine Sjøegaard

UPDATE ON ISSUES FROM LAST MEETING (10 JANUARY)

Issues raised at last shippers meeting	Update
Publication of future green zone size	Expected to be presented at next meeting (24th January)
Some shippers are still experiencing matching errors	Last known mismatch error should have been solved in IT last week <ul style="list-style-type: none"> • Including mismatch error on Ellund for first gas hour
The ASB calculation was missing for two hours on the 2nd January	Error due to lack of data in backend system - reestablished before UMM was sent
"Jumps" in Joint Exit Zone demand	Data quality is generally expected to be lowest in the beginning of the gas day (see next slide)

DATA QUALITY DURING THE GAS DAY



PENDING ISSUES

Issues raised at last shippers meeting	Update
Error where trades made between 00:00 and 02:00 is placed on the wrong gas day	Expected to be resolved shortly
Marsit 14G messaging	Will be solved when 11:15 run is reintroduced
Valid nDMS data aggregated pr. day has been forwarded for October and November 2022	We are currently investigating the possibility to send the data on an hourly basis.
Smoothing nom res	Currently in testing
Smoothing values on web portal	Working on solution with IT provider
Missing GTF values	Currently investigating the root cause of the issue
Investigate large causer share on the 29th December	Will be investigated Any error will be corrected at latest during the invoicing procedure

POSSIBLE NEW FEATURES

- Sum of causers