



# BALANCING STAND-UP

16 May 2023

*Christian Rutherford & Cathrine Sjøegaard*

# ISSUES FROM LAST WEEK

| Issues from last week   | Update   |
|---|--|
| Storage allocations not included into the Balance Entry/Exit for some Shippers some hours on the Gas day 12 May | <b>Solved</b> – Issue detected around 14:30 and resolved before 17:00 the same Gas day |

# 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                                    | Q2   |
| Timing of ASB (xx.10 vs. xx:15)                       | Not possible with technical quick fix, need to investigate other short-term solutions                  |
| Energy balance format not correct on Energinet Online | Original issue solved, however excel format is now incorrect   |

# 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
- ASB + Green zone on EDS **Solved, are now on EDS**



# BALANCING STAND-UP

9 May 2023

*Christian Rutherford & Cathrine Sjøegaard*

# 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                                    | Q2   |
| Timing of ASB (xx.10 vs. xx:15)                       | Not possible with technical quick fix, need to investigate other short-term solutions                  |
| Energy balance format not correct on Energinet Online | Original issue solved, however excel format is now incorrect   |

# 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
- ASB + Green zone on EDS



# BALANCING STAND-UP

2 May 2023

*Christian Rutherford & Cathrine Sjøegaard*



# ISSUES FROM LAST WEEK

| Issues from last week   | Update       |
|---|--------------|
| Delay in consumption data from Evida for previous hour – corrected the following hour | Issue solved |

# 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                                    | <b>Q2</b>  |
| Timing of ASB (xx.10 vs. xx:15)                       | Not possible with technical quick fix, need to investigate other short-term solutions                  |
| Energy balance format not correct on Energinet Online | Original issue solved, however excel format is now incorrect   |

# 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
- ASB + Green zone on EDS



# BALANCING STAND-UP

25 April 2023

*Christian Rutherford & Cathrine Sjøegaard*

# ISSUES FROM LAST WEEK

| Issues from last week                           | Update  |
|---|---|
| Automatic update of Balancing Gas Prices on EDS | Prices from 19 April updated manually – Automatic update to be resolved |
|   |   |

# 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                                    | <b>Q2</b>  |
| Timing of ASB (xx.10 vs. xx:15)                       | Not possible with technical quick fix, need to investigate other short-term solutions                  |
| Energy balance format not correct on Energinet Online | Original issue solved, however excel format is now incorrect   |

# 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 **Solved**
- ASB + Green zone on EDS



# BALANCING STAND-UP

18 April 2023

*Christian Rutherford & Cathrine Sjøegaard*



# 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                                    | <b>Q2</b>  |
| 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                     | <b>Solved</b>  |
| Energy balance format not correct on Energinet Online | Original issue solved, however excel format is now incorrect   |

# 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

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

11 April 2023

*Christian Rutherford & Cathrine Sjøegaard*

# 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                                    | <del>Expected mid/end March</del>  |
| 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  |
|--------------------------------|---|
| Issue with smoothing 1-3 April | Solved (timeout of data object affecting S-max calculation) |
| Fallback on MR data            | Expected to be solved today – UMM will be updated           |

# 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   | <del>Expected mid/end March</del>   |
| 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  |
| <b>Valid data for previous months</b>                        | <b>Data uploaded on “old” Energinet Online for October, November, December, January and February, also in energy balance format</b> |
| Wrong EGSI price reference on EDS                            | Working on including correct price reference  |
| <b>Energy balance format not correct on Energinet Online</b> | <b>Original issue solved, however excel format is now incorrect</b>   |

# 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                                    | <del>Expected mid/end March</del>  |
| Timing of ASB (xx.10 vs. xx:15)                       | Not possible with technical quick fix, need to investigate other short-term solutions                    |
| <b>Balancing price update on EDS</b>                  | <b>Balancing prices updated until 12/3</b>   |
| ASB + Green zone on EDS                               | Pending – focus on invoicing   |
| GTF matching issue – need to send message twice       | To be discussed with IT-provider   |
| <b>Valid data for December (and January)</b>          | <b>Data uploaded on “old” Energinet Online for December<br/>Working on October, November and January</b> |
| 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 |
| <b>Invoicing – timing</b>                                    | <del>Expected mid/end-March</del>  |
| Timing of ASB (xx.10 vs. xx:15)                              | Not possible with technical quick fix, need to investigate other short-term solutions                  |
| <b>Balancing price update on EDS</b>                         | <b>Balancing prices updated until 28/2</b>   |
| <b>ASB + Green zone on EDS</b>                               | <b>Pending – focus on invoicing</b>  |
| GTF matching issue – need to send message twice              | To be discussed with IT-provider   |
| <b>Valid data for December (and January)</b>                 | <b>Will upload data on “old” Energinet Online</b>  |
| <b>Wrong EGSI price reference on EDS</b>                     | <b>Working on including correct price reference</b>  |
| <b>Energy balance format not correct on Energinet Online</b> | <b>Pending - workaround via Excel</b>  |

# 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

A decorative graphic in the top-left corner consisting of a complex, interconnected network of thin teal lines forming various geometric shapes, primarily triangles and polygons, creating a wireframe effect.

# 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)                    | <b>Not possible with technical quick fix, need to investigate other short-term solutions</b>   |
| Balancing price update on EDS + ASB and green zone | <b>Balancing prices updated until 19/2, will be updated again tomorrow (1/3)</b>   |
| GTF matching issue – need to send message twice    | To be discussed with IT-provider   |
| <b>Valid data for December</b>                     | <b>Many did not receive data as expected via automatic messaging – will upload data on Energinet Online instead (also for January)</b> |

# 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  | <b>Expected mid-March</b>  |
| Timing of ASB (xx.10 vs. xx:15)                           | Mechanical change seems possible – but need final confirmation from IT-provider                        |
| <b>Balancing price update on EDS + ASB and green zone</b> | <b>Pending</b>   |
| 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



# 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 Faxø 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<br>Currently investigating the root cause of the issue   |
| Investigate large causer share on the 29th December                                 | Is being investigated<br>Any error will be corrected at latest during the invoicing procedure   |





# SLIDES FROM PREVIOUS MEETINGS



# BALANCING STAND-UP

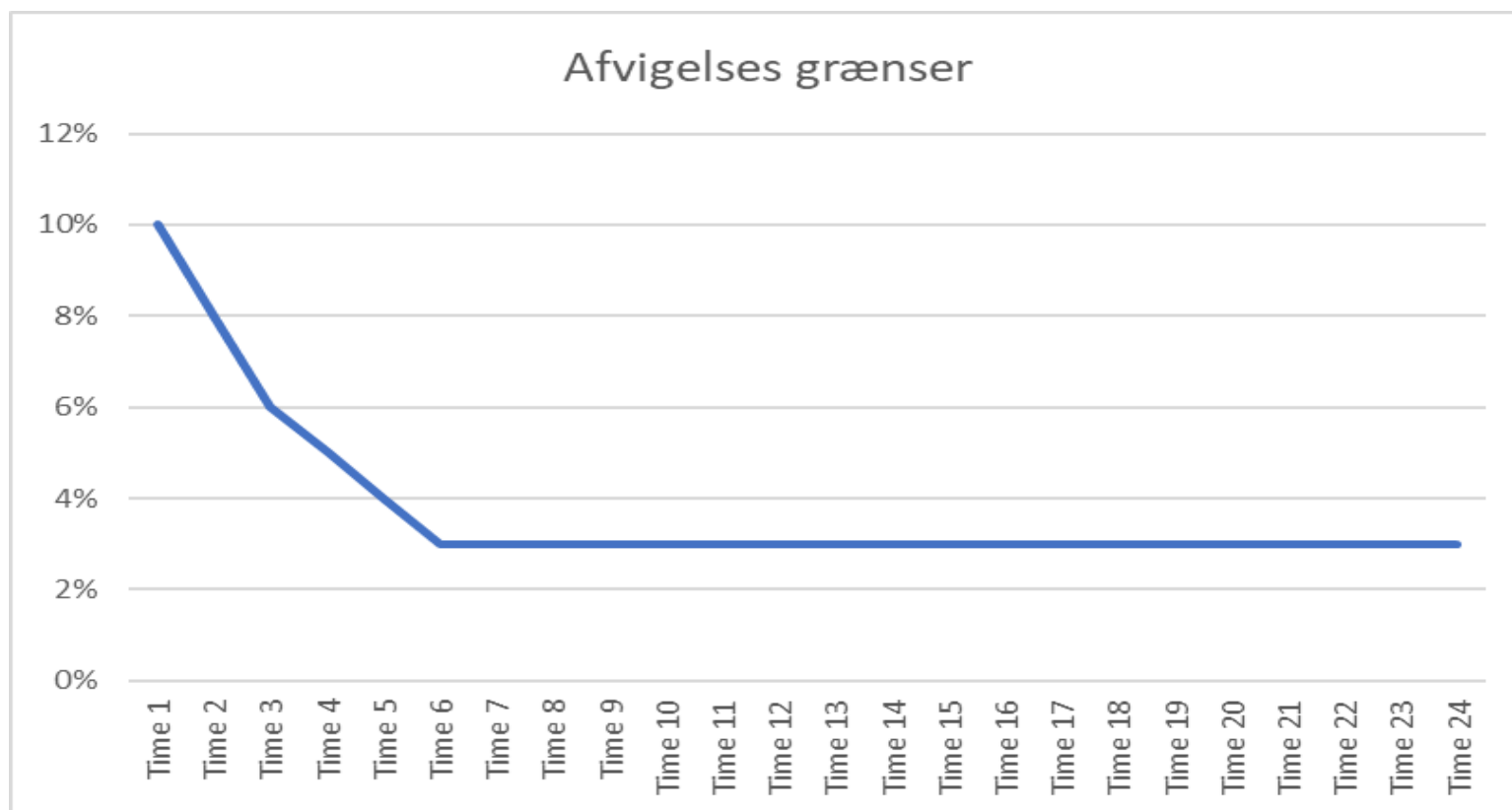
17 January 2023

*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"> <li>• Including mismatch error on Ellund for first gas hour</li> </ul> |
| 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<br>Any error will be corrected at latest during the invoicing procedure |

# POSSIBLE NEW FEATURES

- Sum of causers