



Summary of stakeholder feedback on internal parallel run market reports

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Background

The CCM project Stakeholder Involvement working group (SI WG) together with the Simulation and Analysis working group (SA WG) launched a survey to collect the comments from the stakeholders on the published market reports to better prepare the Nordic CCM implementation readiness both at the TSOs and at the stakeholders.

Four stakeholders provided feedback, which has been evaluated with utmost care at the TSOs and is regarded as guidance for the improvement of the market reports.

All comments are of great value for the future market reports. The TSOs would like to express the gratitude to the stakeholders who spent time and effort to provide feedback and facilitate the Nordic CCM implementation process in general.

The following slides elaborate some implemented comments/requests. All comments from the stakeholders and the written replies from the TSOs will be published on the Nordic RSC website for future reference.

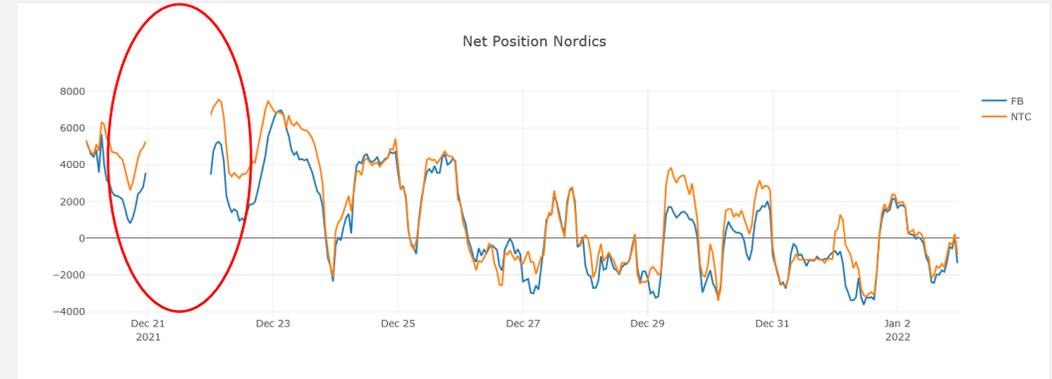


Comment on improving graph visualisation

Before (in published reports until week 43)



From week 49 on





Comment on better price statistics

Before

Bidding Zone	Average Price NTC [€/MWh]	Average Price flow-based [€/MWh]	Price Difference NTC to flow-based [€/MWh]	Price Difference NTC to flow-based [%]
DK1	130,04	125,19	-4,85	-3,73
DK2	118,17	115,12	-3,05	-2,58
FI	74,78	66,46	-8,32	-11,13
NO1	104,63	88,14	-16,49	-15,76
NO2	105,16	90,96	-14,2	-13,50
NO3	23,94	47,87	23,93	99,96
NO4	21,97	20,94	-1,03	-4,69
NO5	104,05	86,31	-17,74	-17,05
SE1	24,49	32,57	8,08	32,99
SE2	24,49	29,93	5,44	22,21
SE3	74,23	81,04	6,81	9,17
SE4	97,93	108,42	10,49	10,71

Table 5. Average price pr. bidding zone with NTC and flow based, week 40-43

After (Two new tables included)

Bidding Zone	Max. Price NTC [€/MWh]	Max. Price flow-based [€/MWh]	Price Difference NTC to flow-based [€/MWh]	Price Difference NTC to flow-based [%]
DK1	525.4	542.7	+ 17.2	+ 3.3 %
DK2	525.4	543.0	+ 17.6	+ 3.3 %
FI	525.4	377.5	- 147.9	- 28.2 %
NO1	459.9	259.8	- 200.0	- 43.5 %
NO2	459.9	268.1	- 191.8	- 41.7 %
NO3	111.6	200.9	+ 89.3	+ 80.0 %
NO4	111.6	200.9	+ 89.3	+ 80.0 %
NO5	459.9	234.2	- 225.7	- 49.0 %
SE1	146.9	200.9	+ 54.0	+ 36.8 %

Bidding Zone	Min. Price NTC [€/MWh]	Min. Price flow-based [€/MWh]	Price Difference NTC to flow-based [€/MWh]	Price Difference NTC to flow-based [%]
DK1	5.1	1.4	- 3.6	- 72.0 %
DK2	24.0	1.4	- 22.6	- 94.2 %
FI	29.1	24.0	- 5.1	- 17.5 %
NO1	104.1	41.4	- 62.7	- 60.2 %
NO2	104.1	40.8	- 63.3	- 60.8 %
NO3	24.0	30.2	+ 6.2	+ 25.8 %
NO4	24.0	18.8	- 5.2	- 21.7 %
NO5	104.1	43.1	- 61.0	- 58.6 %
SE1	24.0	29.2	+ 5.2	+ 21.5 %
SE2	24.0	21.5	- 2.5	- 10.6 %
SE3	24.0	25.2	+ 1.2	+ 5.0 %
SE4	24.0	23.9	- 0.1	- 0.5 %



Comment on the completeness of the HVDC links

Before

Southwest link (i.e., SWL connecting SE3-SE4) and North sea link (i.e., NSL connecting NO2-UK) are not modelled in FB and NTC socio-economic welfare (SEW) comparison.

After

All HVDC links are modelled, and their impact is considered in the FB and NTC SEW comparison in the market reports.

Before week 49, the (impact of) SWL and NSL are removed from the NTC simulations to be consistent with the FB simulation setting.



Comment on grouping typical cases

Comment from stakeholders

We would like analysis of even more specific hours, preferably grouped into typical cases with different characteristics. It would be very valuable to group different situations together to get examples of more "typical" changes when moving from NTC to FB.

TSO feedback

There are a few aspects to address this comment.

1. To make a general statement as stated in the comment, more market results are necessary.
2. The TSOs don't have a clear definition of these 'groups' and how to make the clustering accordingly, so that the 'grouping' request is not foreseen to be addressed in the market reports.
3. The TSOs aim at establishing the foundation of data and knowledge to facilitate the stakeholders to perform in-house/tailor-made analysis. The TSOs hope to enable the learning-by-doing process via webinars, data publication, market reports, technical documents, surveys, etc.
4. The TSOs are looking into options to prepare documents that capture different phenomena in the FB capacity calculation and market allocation, such as negative socio-economic welfare, non-intuitive flows, amongst others.



Comment on trustworthiness/uncertainty of the IPR results

Comment from stakeholders

To which degree can these preliminary results be trusted - not for specific hours but at a more overall level? Can you comment on the uncertainty?

TSO feedback

The focus of the internal parallel run is to establish the business process and the understanding of FB in the parallel run setup. The market reports reflect the factual observations based on the given inputs to the FB capacity calculation and market coupling. As the parallel run moves on with improved input data quality, the results will also be more accurate towards the real operational sense.

Please also refer to the disclaimers.



Comment on the NRA KPIs

Comment from stakeholders

It should be clear in the report on the progress of meeting the NRAs KPIs clearly for the reporting period in question to avoid any unclarity on this topic. Perhaps a clear dashboard to be added in the summary.

TSO feedback

This comment is considered out of the scope of the market report, which aims at reporting the factual observations based on the given inputs to the FB capacity calculation and market coupling.

KPIs will be reported in a monthly frequency according to the NRA requirements. For information on the KPI details, please check the presentation from the stakeholder meeting 1 July 2021.

Link: <https://nordic-rsc.net/wp-content/uploads/2021/06/Key-performance-indicators-for-external-parallel-run.pptx>



Comment on the (missing) ATC extraction results

Comment from stakeholders

We are totally missing any information in relation to starting values for NTC based intraday capacities and comparable values for starting capacities for intraday with FB applied. Once this is included in the report, we would like to be given a possibility to come back with any relevant feedback on these parts.

TSO feedback

The ID ATC capacity for the ID gate opening will be published as soon as they are ready.

The stakeholders will be invited to provide comments on the results.



TSO feedback on other comments

- Top 10 most limiting CNECs, have already been listed in the market reports and will remain in the future reports as requested.
- Non-intuitive flow per border will be available from week 1, 2022 on.
- The TSOs are looking for the best way to present the outcome, e.g. hourly level SEW changes per bidding zone, buy and sell volumes per bidding zone.
- The TSOs are evaluating other comments and will provide written replies on the Nordic RSC website, e.g. additional explanation on the last hour flow, reference of the computation on market equilibrium, etc.