

NORDIC RCC



DATA FOR EFFICIENT AND
RELIABLE POWER SUPPLY

Unavailability messages in FB

CCM Stakeholder meeting 26.10.2023

AGENDA

- 1) Transmission unavailability messages after DA FB go-live
- 2) Transmission unavailability messages after LT CCC (ATCE) go-live
- 3) Transmission unavailability messages after LT CCC (FB) go-live
- 4) Examples of different type of Transmission Unavailability messages in NUCS platform
- 5) Transmission Unavailability Message in FB world -example

TRANSMISSION UNAVAILABILITY MESSAGES AFTER DA FB GO-LIVE

- All unavailability messages (planned and unplanned) are estimated as NTC values
- Process utilized for at least 1 year after DA FB go-live
- Below table illustrates the different process impact

| Process | Planned outages | Unplanned outages |
|-------------------|--|--|
| Longer time frame | <ul style="list-style-type: none"> • Based on current procedures (cross-border NTCs) | N/A |
| DA FB | <ul style="list-style-type: none"> • Included in DA FB calculations as FB parameters impact | Occurs <i>before</i> capacity delivery DL to NEMOs: <ul style="list-style-type: none"> • Can be included in DA FB calculations (depending on duration) Occurs <i>after</i> capacity delivery DL to NEMOs: <ul style="list-style-type: none"> • TSOs ensure the firmness until end of day D |
| ID (NTC) | <ul style="list-style-type: none"> • Included in ID NTC calculations | <ul style="list-style-type: none"> • ID NTCs updated with the calculated unavailability |

TRANSMISSION UNAVAILABILITY MESSAGES AFTER LT CCC (ATCE) GO-LIVE

- All unavailability messages (planned and unplanned) are estimated as NTC values
- Note, given that ATCE process is an intermediate solution until LT FB allocation is implemented, this process might not realize
 - Process utilized 1 year after DA FB go-live until LT FB is implemented
- Below table illustrates the different process impact

| Process | Planned outages | Unplanned outages |
|---------------|--|--|
| LT CCC (ATCE) | <ul style="list-style-type: none"> • Based on ATCE procedures (cross-border NTCs) | N/A |
| DA FB | <ul style="list-style-type: none"> • Included in DA FB calculations as FB parameters impact | Occurs <i>before</i> capacity delivery DL to NEMOs: <ul style="list-style-type: none"> • Can be included in DA FB calculations (depending on duration) Occurs <i>after</i> capacity delivery DL to NEMOs: <ul style="list-style-type: none"> • TSOs ensure the firmness until end of day D |
| ID (NTC) | <ul style="list-style-type: none"> • Included in ID NTC calculations | <ul style="list-style-type: none"> • ID NTCs updated with the calculated unavailability |

TRANSMISSION UNAVAILABILITY MESSAGES AFTER LT CCC (FB) GO-LIVE

- Planned unavailability messages are estimated as **FB values** (minimum and maximum net positions)
- Unplanned unavailability messages are estimated as **NTC values**
 - If the outage is extended to multiple days, updated estimates provided as FB values
- Process utilized 1 year after DA FB go-live and when LT FB allocation is implemented

| Process | Planned outages | Unplanned outages |
|-------------|--|--|
| LT CCC (FB) | <ul style="list-style-type: none"> • Selected outages included in LT FB calculations • Outages known at Y-1 and M-1 processes published to NUCS platform | <ul style="list-style-type: none"> • In case an unplanned outage ends up lasting longer, can be included in M-1 FB process |
| DA FB | <ul style="list-style-type: none"> • Included in DA FB calculations | <p>Occurs <i>before</i> capacity delivery DL to NEMOs:</p> <ul style="list-style-type: none"> • Can be included in DA FB calculations (depending on duration) <p>Occurs <i>after</i> capacity delivery DL to NEMOs:</p> <ul style="list-style-type: none"> • TSOs ensure the firmness until end of day D |
| ID (NTC) | <ul style="list-style-type: none"> • Included in ID NTC calculations | <ul style="list-style-type: none"> • ID NTCs updated with the calculated unavailability |

EXAMPLES OF DIFFERENT TYPE OF TRANSMISSION UNAVAILABILITY MESSAGES IN NUCS PLATFORM

- 1) Planned outage defined good time in advance: [NUCS platform example](#)
- 2) Planned outage defined few days in advance: [NUCS platform example](#)
- 3) Unplanned outage for a short period of time not expected to be included in DA FB: [NUCS platform example](#)
- 4) Unplanned outage for a short period of time expected to be included in DA FB: [NUCS platform example](#)
- 5) Unplanned outage for a long period of time: [NUCS platform example](#)

TRANSMISSION UNAVAILABILITY MESSAGE IN FB WORLD -EXAMPLE

Initial mockup, final design not yet decided

Values are not necessarily reflecting reality

| Type of Event | Affected Asset or Unit | Fuel Type | Bidding Zone | Event Start (CET) ▲ ▼ | Event Stop (CET) ▲ ▼ | Available net position [MW] | Unavailable net position [MW] | Publication Date/Time (CET) ▲ ▼ | Publisher ▲ ▼ | ⚙️ |
|--|----------------------------------|------------------------|-------------------------------|---------------------------|-----------------------------|-------------------------------|-------------------------------|---------------------------------|---------------|----|
| Transmission unavailability | S 300 Mauranger-Samnanger | | NO5 export | 28.06.2023 08:00 | 28.06.2023 16:00 | 2500 | 400 | 22.12.2022 09:27 | Statnett | ⌵ |
| | | | NO2 export | | | 1500 | 500 | | | |
| | | | ... | | | | | | | |
| Bidding Zone | Interval start (CET) | Interval Stop (CET) | | Maximum net position [MW] | Available net position [MW] | Unavailable net position [MW] | | | | |
| NO5 export | 28.06.2023 08:00 (CET) | 28.06.2023 16:00 (CET) | | 2900 | 2500 | 400 | | | | |
| NO2 export | 28.06.2023 08:00 (CET) | 28.06.2023 16:00 (CET) | | 2000 | 1500 | 500 | | | | |
| | | | | ... | ... | ... | | | | |
| Event Start | Event Stop | Event Status | Message ID | | | | | | | |
| 28.06.2023 08:00 | 28.06.2023 16:00 | Active | NU_fHLg69-0kvj58f4_ldxi9Q_001 | | | | | | | |
| Affected Assets or Unit | Affected Assets or Unit EIC Code | Market Participant | Market Participant Code | | | | | | | |
| S 300 Mauranger-Samnanger | 50TL00000001062S | Statnett | 10X1001A1001A38Y | | | | | | | |
| Type of Unavailability | Reason Code | Version | Unit of measurement | | | | | | | |
| Planned | Foreseen Maintenance | 1 | MW | | | | | | | |
| Reason for The Unavailability | Remarks | | | | | | | | | |
| Planned work on 300kV line Mauranger-Samnanger | | | | | | | | | | |

[Download FB Parameters](#)

Actions ▼