Project SchedHar | Changes on Swiss borders

Aarau, 8. June 2018
We have now moved to Aarau!

Our new Address is:
Swissgrid AG
Bleichemattstrasse 31
Postfach
5001 Aarau
1 Introduction / Motivation for change / significant changes
2 Impact on balance group management
3 Implementation phases
4 Project planning
5 New Processes
6 BG qualification tests
7 Next steps
Annex: detailed processes for all borders
Introduction

• During BGM User Group Meeting of 23 November 2017, we informed you about the planned changes on scheduling process
• In this webinar we wish to explain all Balance Group Managers further details
• Participants on Swissgrid side are:
Motivation for change

- Harmonisation with majority of electrical markets
- Reduction of market entry barriers for Balance Groups
- Simplification of scheduling process
- Compliance with ENTSO-E standards
- Harmonisation of cross-border scheduling
- Greater independence from neighbouring TSO
- Increased synchronization of scheduling process with capacity allocation
- Increased operational security / redundancy
- Reduced maintenance effort
- Increased automation
- Management of future scheduling volume
- New IT technology
- Increased cybercrime
Significant changes

- Integration of Swissgrid Nomination System (SNS) functionality into Schedule Management System (SMS)
  - Merger of the “usage of long-term rights” with the “scheduling process”
  - Introduction of rights-based scheduling
- Introduction of long-term matching process
- Fixed intra-day matching cycles per border
- Secure IT connection for the market participants
Impact on balance group management (1/4)

• Separate notification of usage of rights no longer needed as it is merged with nomination of schedules

• Introduction of rights-based TPS nomination at Swissgrid for all cross-border schedules, using
  • Process-Type A17,
  • Business-Type A03,
  • Capacity Contract Type and Capacity Agreement-ID as delivered by capacity provider

BGM have to switch the TPS nomination to “right-based resolution” for all borders (AT, DE, FR, IT) at the same time
Impact on balance group management (2/4)

- Long-term matching process with APG, RTE and Terna
  - It is no longer possible to adjust confirmed schedules of previous processes in a later process (e.g. yearly TS in DA process)

- No changes for BGs only active in Swiss internal scheduling
Impact on balance group management (3/4)

• Currently active Balance Groups in cross-border scheduling have to verify rights-based TPS scheduling following adjusted BG qualification test procedures
  • Tests have to be coordinated with Swissgrid instead of DNV-GL
  • Test platform is still hosted by DNV-GL

• Communication with Swissgrid can be switched to a more secure channel
  • More information about this topic will be given on 22nd November 2018 during BGM Partner Meeting
### Impact on balance group management (4/4)

Following table lists changes as well as respective section in technical balance group regulations where points are explained in detail.

<table>
<thead>
<tr>
<th>Section</th>
<th>Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.2</td>
<td>Details of new CAI and CCT for cross-border trades</td>
</tr>
<tr>
<td>7</td>
<td>New schedule difference rules for cross-border trades</td>
</tr>
<tr>
<td>8</td>
<td>Capacity checks for cross-border trades</td>
</tr>
<tr>
<td>9</td>
<td>Introduction of long-term schedule coordination and adjustment of nomination rules at all Swiss borders</td>
</tr>
<tr>
<td>10</td>
<td>Adjustment of the long-term process</td>
</tr>
<tr>
<td>11</td>
<td>Adjustment of the day-ahead process</td>
</tr>
<tr>
<td>12</td>
<td>Adjustment of the intra-day process at the borders with Austria, Germany and France</td>
</tr>
<tr>
<td>13</td>
<td>Adjustment of the intra-day process for short-term business types at the French border</td>
</tr>
<tr>
<td>14</td>
<td>Adjustment of the intra-day process at the border with Italy</td>
</tr>
<tr>
<td>18</td>
<td>Adjustment of the time for the sending of the SRQ to Swissgrid</td>
</tr>
<tr>
<td>21</td>
<td>Content and structure of individual documents expanded with ANC document and various reason codes and business types for CAI and CCT</td>
</tr>
<tr>
<td>22</td>
<td>ANC document added for naming conventions</td>
</tr>
<tr>
<td>23</td>
<td>ECP added as an additional communication channel for the transfer of data</td>
</tr>
<tr>
<td>26</td>
<td>Reference to BG Acceptance Test document added</td>
</tr>
</tbody>
</table>

Revised technical balance group regulations, which enter into force when changes go live, can be found on Swissgrid website via the following link [Technical Balance group regulations V3.0](#).
Implementation phases

The project has following two phases

1. Harmonisation phase:
   • Implementation of Swiss Nomination System (SNS) functionality in SMS
   • Introduction of rights-based scheduling
   • Switch to rights-based scheduling (CH-IT)
   • Introduction on long-term matching (CH-IT)

2. Completion phase:
   • Implementation of rights-based scheduling and long-term matching at CH-AT and CH-FR borders
   • Begin migration of BG to secure connection by mid-2019
Project planning

Adjustment of technical BG regulations
Preparation of BG pre-qualification test
Adjustment of DINV-GL Testsystems
Regulations and prequalification tests are communicated
Ready for prequalification tests
Period for execution of BG prequalification tests with DINV-GL
Adjustment of Swissgrid scheduling system
Tests with voluntary BGs
Tests with Tenma
Tests with APG
Period for switching the secure communication channel
Go Live changes for BG Changes with Tenma
Go Live changes with APG
Go Live changes with RTE

Swissgrid
Balance Group
Supplier

8 June 2018 | Project SchedHar | Changes on Swiss borders
New Processes – Synchronising processes with neighbouring TSOs

- Rights-based matching with APG, Terna and RTE
- Introduction of long-term matching with APG, Terna and RTE
- Fixed intra-day scheduling cycles with German-, Austrian- and French-TSO
- For the time being German-TSOs will not implement rights based and long-term scheduling processes
  - Match rights-based TPS with total netted schedule provided by German-TSOs
New Processes – Target scheduling process (1/7) - Introduction

On the following slides the final, rights-based scheduling process is illustrated based on the Austrian border.
New Processes – Target scheduling process (2/7) – Long Term process on all borders

Note:
- “Change” just means related to the cross border scheduling process between Swissgrid and the neighbouring TSO
- Related to the scheduling process between BG and Swissgrid there are changes on all borders

NO CHANGE on German TSOs side
New Processes – Target scheduling process (3/7) – Long Term process with Austria

TPS = Time-Series based on Long Term rights

ACK to report formal check result
ANC to report capacity violations
iCNF to report TS = approved
New Processes – Target scheduling process (4/7) – Day Ahead process on all borders

NO CHANGE on German TSOs side
New Processes – Target scheduling process (5/7) – Day Ahead process with Austria

Note:
Only daily rights based TS are nominated and matched in DA process

Note:
All Long Term based TS are firm after LT matching
=> no adjustments allowed afterwards
New Processes – Target scheduling process (6/7) – Intraday process on all borders

NO CHANGE on German TSOs side
New Processes – Target scheduling process (7/7) – Intraday process with Austria

- CAS Time-Series
- ID based TS (accumulated)
- Daily based TS
- Monthly based TS
- Yearly based TS

**Note:** Only ID based TS are nominated and matched in ID process.

- TPS Time-Series
- Yearly based TS
- Monthly based TS
- Daily based TS
- ID based TS (accumulated)

**Note:**
- ACK to report formal check result
- ANC to report capacity violations
- AN0 to report matching violations
- iCNF to report TS = approved

- DBAG
  - Rights Document
- Swissgrid
  - Rights Document
- APG
  - Rights Document
- BRP A
- BRP A
- DBAG

**TS** = TimeSeries
**LT** = Long Term
**DA** = Day Ahead
**ID** = Intra Day
**LTC** = Long Term Contract
**TPS** = Trade Party Schedule
**CAS** = Control Area Schedule
**ACK** = Acknowledge Document
**AN0** = Anomaly Document
**iCNF** = Intermediate Confirmation Document

**Note:**
- All LT and DA schedule are firm with start of ID process
- no adjustments allowed in ID process
New Processes – Transition phase (1/6) - Introduction

It is not possible to implement the changes on all CH borders at the same time

1. Implementation and concept validation of the announced changes on CH-IT border
2. Switch the process for the remaining borders after a stabilisation phase

→ Transition phases for AT and FR borders: match rights-based TPS schedules with total netted, neighbouring TSO schedules
New Processes – Transition phase (2/6) - Introduction

• Transition phase with AT- and FR- is equal to final scheduling process with DE-TSOs
• Swissgrid has to match rights-based TPS with total netted TSO schedules
• Just after Go Live of rights based scheduling process in Switzerland there is no long term matching for the borders
  • CH – FR,
  • CH – AT
  • CH – DE

On the following slides the scheduling process valid during the transition phase is illustrated based on the Austrian border

- NO CHANGE on German TSOs side
- Border CH – IT is already in target phase
New Processes – Transition phase (4/6) – Day Ahead process with Austria

Note:
In case of mismatch of red coloured TS, yearly, monthly and daily TPS TS are reported as faulty to BRP.

TPS = Time-Series based on Long Term rights
L1 = Long Term
ID = Intra Day
LTC = Long Term Contract
TFS = Trade Party Schedule
CAS = Control Area Schedule
ACK = Acknowledge Document
ANO = Anomaly Document
iCNF = Intermediate Confirmation Document

NO CHANGE on German TSOs side

Border CH – IT is already in target phase
New Processes – Transition phase (6/6) – Intraday process with Austria

Note:
In case of mismatch ID TS is reported as faulty to BRP since the other TS are already firm

Note:
All LT and DA schedule are firm with start of ID process => no adjustments allowed in ID process

ACK = Acknowledge Document
ANO = Anomaly Document
ICNF = Intermediate Confirmation Document
New Processes – Impact on CH-DE scheduling

- Cross-border matching process with German-TSOs will remain on total netted schedules
- Swissgrid has to match rights-based TPS with total netted German-TSOs schedules

The impact on the matching process with German-TSOs is the same as the one for the borders AT and FR during the transition phase
New Processes – Scheduling with DE TSO’s, APG and RTE during transition phase

Impact on BGs in case of a mismatch at:

- **DA-gate-closure time**: Swissgrid (SG) will report yearly-(y), monthly-(m) and daily(d) based TPS Time-Series (TS) as faulty

- **DA-Cut-Off time**: SG will breakdown the total netted neighbouring TSO value into y-, m- and d based TPS TS. Whereby the rights are exhausted in the order y, m and d

Procedure in DA if SG is asked by BG to take over TS from neighbouring TSO

→ SG will breakdown the total netted neighbouring TSO value into y-, m- and d based TPS TS. Whereby the rights are exhausted in the order y, m and d and the current nomination of BG will not be taken into account
New Processes – Breakdown of a total netted DA SAS into rights based TPS Schedules

Example for the breakdown of a
• Total netted Day-Ahead SAS Time Series into yearly, monthly and daily TPS Time Series
  • During DA Scheduling process for
    • The German border as well as for
    • The France and Austrian border during the transition phase

This may be necessary in case of
• (Still) a mismatch at Cut Off Time
• BG ask Swissgrid to take over values from neighbouring TSO

<table>
<thead>
<tr>
<th>Situation</th>
<th>Capa in both directions available</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Nomination in both directions</td>
</tr>
<tr>
<td></td>
<td>DE-SAS &lt; ( \Sigma ) LT-rights</td>
</tr>
</tbody>
</table>

| y_{R_{DE->CH}} | 40 | y_{R_{CH->DE}} | 20 |
| m_{R_{DE->CH}} | 20 | m_{R_{CH->DE}} | 10 |
| d_{R_{DE->CH}} | 50 | d_{R_{CH->DE}} | 25 |
| \( \Sigma \) capa_{DE->CH} | 110 | \( \Sigma \) capa_{CH->DE} | 55 |

- At SG nominated
- \( y_{T_{DE->CH}} \): 38
- \( m_{T_{DE->CH}} \): 20
- \( d_{T_{DE->CH}} \): 0
- \( \Sigma T_{DE->CH} \): 58
- \( \Sigma CH-SAS_{DE->CH} \): 43
- \( \Sigma DE-SAS_{DE->CH} \): 41

- to be confirmed
- \( y_{T_{DE->CH}} \): 40
- \( m_{T_{DE->CH}} \): 1
- \( d_{T_{DE->CH}} \): 0
- \( \Sigma T_{DE->CH} \): 41

\( \Sigma \) CH-SAS_{CH->DE} = 0
\( \Sigma \) DE-SAS_{CH->DE} = 0

\( \Sigma \) y_{T_{DE->CH}} = 40
\( \Sigma \) m_{T_{DE->CH}} = 1
\( \Sigma \) d_{T_{DE->CH}} = 0
\( \Sigma \) \( T_{DE->CH} \) = 41
\( \Sigma \) \( T_{CH->DE} \) = 0
New Processes – Comparison between transition and target phase (1/5) - Introduction

There is no LT matching process during the transition-phase for following borders

- CH – AT
- CH – FR

On the following slides the scheduling process valid during the transition phase is illustrated based on the Austrian border
New Processes – Comparison between transition and target phase (2/5) - Day Ahead Austrian border
New Processes – Comparison between transition and target phase (3/5) - Intraday Austrian border

Note: In case of mismatch ID TS is reported as faulty to BRP since the other TS are already firm.
## New Processes – Comparison between transition and target phase (4/5) - Austrian border

<table>
<thead>
<tr>
<th></th>
<th>Transitionphase</th>
<th>Targetphase</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Day Ahead</strong></td>
<td>• Rights Document from JAO.</td>
<td>• Rights Document from JAO.</td>
</tr>
<tr>
<td></td>
<td>• Matching against total netted TS from NTSO.</td>
<td>• Matching against rights based TS from NTSO.</td>
</tr>
<tr>
<td></td>
<td>• In case of mismatch all nominated TS will be reported as faulty.</td>
<td>• In case of mismatch only Daily TS will be reported as faulty.</td>
</tr>
<tr>
<td><strong>Intra Day</strong></td>
<td>• Booking of capacity rights by telephone at APG.</td>
<td>• Rights Document from DB AG.</td>
</tr>
<tr>
<td></td>
<td>• No Rights Document.</td>
<td>• Only netted time series in the rights document for validation.</td>
</tr>
<tr>
<td></td>
<td>• Only netted time series in the rights document for validation.</td>
<td>• Even though the BRP has to send one time series for each direction.</td>
</tr>
<tr>
<td></td>
<td>• Matching against total netted TS from NTSO.</td>
<td>• Matching against rights based TS from NTSO.</td>
</tr>
<tr>
<td></td>
<td>• In case of mismatch only ID TS will be reported as faulty.</td>
<td>• In case of capacity violation only ID TS will be reported as faulty.</td>
</tr>
</tbody>
</table>
# New Processes – Comparison between transition and target phase (5/5) – French border

<table>
<thead>
<tr>
<th></th>
<th>CH – FR</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Transitionphase</strong></td>
<td><strong>Targetphase</strong></td>
</tr>
<tr>
<td><strong>Day Ahead</strong></td>
<td>• Rights Document from JAO.</td>
</tr>
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<td>• In case of mismatch only ID TS will be reported as faulty.</td>
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</tbody>
</table>
## New Processes – Examples of certain DA Scheduling process scenarios

**BG nomination violates the daily right**

<table>
<thead>
<tr>
<th>y_{AT}\rightarrow CH</th>
<th>40</th>
<th>y_{CH}\rightarrow AT</th>
<th>20</th>
</tr>
</thead>
<tbody>
<tr>
<td>m_{AT}\rightarrow CH</td>
<td>20</td>
<td>m_{CH}\rightarrow AT</td>
<td>10</td>
</tr>
<tr>
<td>d_{AT}\rightarrow CH</td>
<td>50</td>
<td>d_{CH}\rightarrow AT</td>
<td>25</td>
</tr>
<tr>
<td>\sum\capa_{AT}\rightarrow CH</td>
<td>110</td>
<td>\sum\capa_{CH}\rightarrow AT</td>
<td>55</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>y_{TAT}\rightarrow CH</th>
<th>35</th>
</tr>
</thead>
<tbody>
<tr>
<td>m_{TAT}\rightarrow CH</td>
<td>15</td>
</tr>
<tr>
<td>d_{TAT}\rightarrow CH</td>
<td>55</td>
</tr>
<tr>
<td>\sum\TAT\rightarrow CH</td>
<td>105</td>
</tr>
</tbody>
</table>

| \sum\TCH\rightarrow CH | 0 |

**SG SAS contains**

<table>
<thead>
<tr>
<th>y_{T}\rightarrow CH</th>
<th>35</th>
</tr>
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<tbody>
<tr>
<td>m_{T}\rightarrow CH</td>
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<td>\sum\TCHS\rightarrow CH</td>
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**APG SAS contains**

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<td>d_{T}\rightarrow CH</td>
<td>55</td>
</tr>
<tr>
<td>\sum\TCHS\rightarrow CH</td>
<td>95</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANO for BG as soon as rights doc is available</th>
</tr>
</thead>
<tbody>
<tr>
<td>d_{TAT}\rightarrow CH</td>
</tr>
<tr>
<td>d_{AT}\rightarrow CH</td>
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<table>
<thead>
<tr>
<th>ANO for BG when mismatch (earliest at GCT)</th>
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<tbody>
<tr>
<td>d_{TPS-TAT}\rightarrow CH</td>
</tr>
<tr>
<td>d_{SAS-TAT}\rightarrow CH</td>
</tr>
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**BG corrects until COT, but just respecting the rights**

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| \sum\TCH\rightarrow CH | 0 |

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**BG does not correct the nomination until COT**

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| \sum\TCH\rightarrow CH | 0 |

**BG corrects in line with the APG value until COT**

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In case of mismatch at COT, lower value is implemented.
BG qualification tests (1/4)

- BGM systems have to be ready for testing by September 2018
- New registration of all BG on the new DNV-GL test platform necessary expectedly from September 2018
  - Old Accounts will be deleted
- Two different sort of tests available on the test platform
  - BG tests (test scenarios for the current processes)
  - SchedHar tests (test scenarios for the future processes for rights based nominations)
  - Both type of tests are reachable via https://dnvgl-test.com
- In Switzerland already registered BG which are not active in cross border scheduling don’t have to participate at the SchedHar qualification tests
- Tests will be completed via the DNV-GL test platform, attended by Swissgrid
  - Any business requests to bg-registration@swissgrid.ch
BG qualification tests (2/4)

- Scope of test is 15 mandatory and 1 optional test scenarios
  - 4 mandatory formal test scenarios (LT/DA/ID/PSA)
  - 5 mandatory continuous matching test scenarios | positive tests (LT/DA/ID/PSA)
  - 5 mandatory continuous matching test scenarios | negative tests (LT/DA/ID/PSA)
  - 1 mandatory additional matching test scenario | negative test (DA)
  - 1 optional status request procedure

- Link to the BG Acceptance test document on Swissgrid Website

- Example for the structure of each test scenario
## BG qualification tests (3/4)

### Test description

#### 5.1.2 Long-Term, formal test description

| Scenario | F1 |
| Purpose: | Long-Term, formal test, external trade, explicit capacity |
| Note: | Only external Long-Term time series (yearly/monthly). LTC and ML rights are not part of the tests with DNV-GL |
| Timing: | D.1 before 08:30 |

<table>
<thead>
<tr>
<th>#</th>
<th>System Under Test</th>
<th>DNV-GL Test System</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td>DNV-GL sends a Rights Document including Yearly- and Monthly Capacity for the relevant business day to the BRP (LTC and ML rights are not part of this test)</td>
</tr>
<tr>
<td>2</td>
<td>BRP sends a TPS:</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>TPS is set up according the rights document from DNV-GL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>The max. values of Yearly- and Monthly capacity have to be used</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Long-Term: Process type A17</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Number of time series according rights document with: Business type „A03” (External trade explicit capacity)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Capacity contract type: Border CH-IT: „A04” (Yearly) „A03” (Monthly)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Capacity Agreement Identification: According Rights document from DNV-GL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sender EIC code of BG</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>For formally correct TPS: Sends a positive ACK message</td>
</tr>
</tbody>
</table>

| Note: | |
| --- | The schedule message and schedule time series must have the same version number (this is verified by the ESS formal test platform). |
BG qualification tests (4/4)

Sequence diagram
Next steps

• Implementation of new functionalities in BGM systems by September 2018

• Test platform will be ready in September 2018 for registration and reservation of test slots

• For current BG tests and new SchedHar tests use the following address: https://dnvgl-test.com

• As it is a complete new test platform every BGM has to register again

• Swissgrid will inform all BRP as soon as the registration process is open

• Technical- & testing requests to bg-registration@swissgrid.ch

• BGM Partner Meeting will take place on Thursday, 22 November 2018 at the new Swissgrid head office in Aarau, there we will provide further information on the project situation
Thank you for your attention

Swissgrid AG
Bleichemattstrasse 31
Postfach
5001 Aarau
Annex: detailed processes for all borders
Targetphase – Long Term process on all borders (1/4) - Introduction

Rights-based nomination on Swissgrid side for border CH-DE. Long term process stays unchanged on German TSOs side. Long term and Day Ahead nominations will be matched during Day Ahead process.
Targetphase – Long Term process on all borders (2/4) – Austria

- Swissgrid
  - GAS Time-Series
  - Monthly based TS
  - Yearly based TS
- APG
  - Rights Document
  - Monthly based TS
  - Yearly based TS

Acknowledgement (ACK) to report formal check result
Anomaly Document (ANO) to report capacity violations
Intermediate Confirmation Document (iCNF) to report TS = approved

Abbreviations:
- TS = Time-Series
- LT = Long Term
- DA = Day Ahead
- ID = Intra Day
- LTC = Long Term Contract
- TPS = Trade Party Schedule
- CAS = Control Area Schedule
- ACK = Acknowledge Document
- ANO = Anomaly Document
- iCNF = Intermediate Confirmation Document
Targetphase – Long Term process on all borders (3/4) – France

Note: LTC based TS are A to B scheduling relations.

ACK to report formal check result
ANC to report capacity violations
ANO to report matching violations
iCNF to report TS – approved

TS = TimeSeries
LT = Long Term
DA = Day Ahead
ID = Intra Day
LTC = Long Term Contract
TPS = Trade Party Schedule
CAS = Control Area Schedule
ACK = Acknowledges Document
ANO = Anomaly Document
iCNF = intermediate Confirmation Document
Targetphase – Long Term process on all borders (4/4) – Italy

- Swissgrid
  - CAS Time-Series
  - Monthly based TS
  - Yearly based TS
  - Merchant line based TS
  - Historical LTC based TS

- Terna
  - Rights Document

JAO

ACK to report formal check result
ANC to report capacity violations
AND to report matching violations
iCNF to report TS = approved

Note:
LT rights can be split into n business relations

TS = TimeSeries
LT = Long Term
DA = Day Ahead
ID = Intra Day
LTC = Long Term Contract
TPS = Trade Party Schedule
CAS = Control Area Schedule
ACK = Acknowledge Document
AND = Anomaly Document
iCNF = Intermediate Confirmation Document
Targetphase – Day Ahead process on all borders (1/5) - Introduction

DA on Long term process remains unchanged on German TSOs side
Targetphase – Day Ahead process on all borders (2/5) – Austria

Note:
- Only daily rights based TS are nominated and matched in DA process

Acknowledgement (ACK) to report formal check result
Anomaly (ANC) to report capacity violations
Anomaly Resolution Notice (ANO) to report matching violations
Intermediate Confirmation Notice (ICNF) to report TS – approved

Note:
- All Long Term based TS are firm after LT matching
  \Rightarrow no adjustments allowed afterwards
Targetphase – Day Ahead process on all borders (3/5) – France

Note: LTC based TS values can only be lowered in DA process

Note: Only LTC and daily based TS are nominated and matched in DA process

ACK to report formal check result
ANC to report capacity violations
iCNF to report TS – approved

Note: Yearly and monthly based TS are firm after LT matching
=> no adjustments allowed afterwards
Targetphase – Day Ahead process on all borders (4/5) – Italy

- CAS Time-Series
- Swiss Time-Series
- Italy Time-Series
- JAO
- Rights Document
- SG
- Terna
- BRP A
- BRP B

Note:
- Only daily rights based TS are nominated and matched in DA process

TS = TimeSeries
LT = Long Term
DA = Day Ahead
ID = Intra Day
LTC = Long Term Contract
TPS = Trade Party Schedule
CAS = Control Area Schedule
ACK = Acknowledge Document
ANO = Anomaly Document
iCNF = Intermediate Confirmation Document

ACK to report formal check result
ANC to report capacity violations
ANO to report matching violations
iCNF to report TS - approved

Note:
- All Long Term based TS are firm after LT matching
  => no adjustments allowed afterwards
Targetphase – Day Ahead process on all borders (5/5) – Germany

Note: In case of mismatch of red coloured TS, yearly, monthly and daily TPS TS are reported as faulty to BRP.

ACK to report formal check result
ANC to report capacity violations
ANO to report matching violations
iCNF to report TS – approved
Targetphase – Intraday process on all borders (1/6) - Introduction

DA on Long term process remains unchanged on German TSOs side
Targetphase – Intraday process on all borders (2/6) - Austria

**Note:**
Only ID based TS are nominated and matched in ID process.

ACK to report formal check result
ANC to report capacity violations
ANO to report matching violations
iCNF to report TS – approved

**Note:**
All LT and DA schedule are firm with start of ID process → no adjustments allowed in ID process.
Targetphase – Intraday process on all borders (3/6) - France

Note:
Only ID based TS are nominated and matched in ID process

Note:
LTC, Yearly, monthly and daily based TS are firm with start of ID -> no adjustments of firm TS allowed in ID process

Acknowledgments:
- TS = TimeSeries
- LT = Long Term
- DA = Day Ahead
- ID = Intra Day
- LTC = Long Term Contract
- TPS = Trade Party Schedule
- CAS = Control Area Schedule
- ACK = Acknowledge Document
- ANO = Anomaly Document
- iCNF = intermediate Confirmation Document
Targetphase – Intraday process on all borders (4/6) – Italy, XBID 1

Note:
Only XBID1 based TS are nominated and matched in XBID1 process

Note:
All Long Term and Day-Ahead based TS are firm when XBID1 scheduling process starts => no adjustments of firm TS in XBID1 process allowed

ACK to report formal check result
ANC to report capacity violations
ANO to report matching violations
iCNF to report TS – approved

TS = TimeSeries  
LT = Long Term  
DA = Day Ahead  
ID = Intra Day  
LTC = Long Term Contract  
TPS = Trade Party Schedule  
CAS = Control Area Schedule  
ACK = Acknowledge Document  
ANO = Anomaly Document  
iCNF = Intermediate Confirmation Document
Targetphase – Intraday process on all borders (4/6) – Italy, XBID 2

Note:
Only XBID2 based TS are nominated and matched in XBID2 process

Note:
All Long Term, Day-Ahead and XBID1 based TS are firm when XBID2 scheduling process starts
=> no adjustments of firm TS in XBID2 process allowed
Targetphase – Intraday process on all borders (4/6) – Germany

Note:
In case of mismatch ID TS is reported as faulty to BRP since the other TS are already firm.

ACK to report formal check result
ANC to report capacity violations
ANO to report matching violations
iCNF to report TS = approved
Transitionphase – Long Term process

• After Go Live of first border CH – IT there is a transition phase for the Long term processes on the other CH borders
  • No Long term matching on following borders
    • CH – FR
    • CH – AT
    • CH – DE
Transitionphase – Day Ahead process on all borders (1/3) - Introduction

**NO CHANGE on German TSOs side**

Border CH – IT is already in target phase
Transitionphase – Day Ahead process on all borders (2/3) - Austria

Note:
In case of mismatch of red coloured TS, yearly, monthly and daily TPS TS are reported as faulty to BRP

ACK to report formal check result
ANC to report capacity violations
ANO to report matching violations
iCNF to report TS - approved

TS = TimeSeries
LT = Long Term
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ACK = Acknowledge Document
ANO = Anomaly Document
iCNF = Intermediate Confirmation Document
Transitionphase – Day Ahead process on all borders (3/3) - France

Note:
In case of mismatch of read coloured TS, yearly, monthly and daily TPS TS are reported as faulty to BRP

ACK to report formal check result
ANC to report capacity violations
ANO to report matching violations
iCNF to report TS = approved

TS = TimeSeries
LT = Long Term
DA = Day Ahead
ID = Intra Day
LTC = Long Term Contract
TPS = Trade Party Schedule
CAS = Control Area Schedule
ACK = Acknowledge Document
ANO = Anomaly Document
iCNF = Intermediate Confirmation Document
Transitionphase – Intra Day process on all borders (1/3) - Introduction

NO CHANGE on German TSOs side

Border CH – IT is already in target phase
Transitionphase – Intra Day process on all borders (2/3) - Austria

Note:
In case of mismatch ID TS is reported as faulty to BRF since the other TS are already firm

TS = TimeSeries
LT = Long Term
DA = Day Ahead
ID = Intra Day
LTC = Long Term Contract
TPS = Trade Party Schedule
CAS = Control Area Schedule
ACK = Acknowledge Document
ANO = Anomaly Document
iCNF = Intermediate Confirmation Document
Transitionphase – Intra Day process on all borders (3/3) - France

Note: In case of missmatch ID TS is reported as faulty to BRP since the other TS are already firm

ACK to report formal check result
ANC to report capacity violations
ANO to report matching violations
ICNF to report TS – approved

Note: LTC, Yearly, monthly and daily based TS are firm with start of ID => no adjustments of firm TS allowed in ID process