



AGGM Austrian Gas Grid Management AG

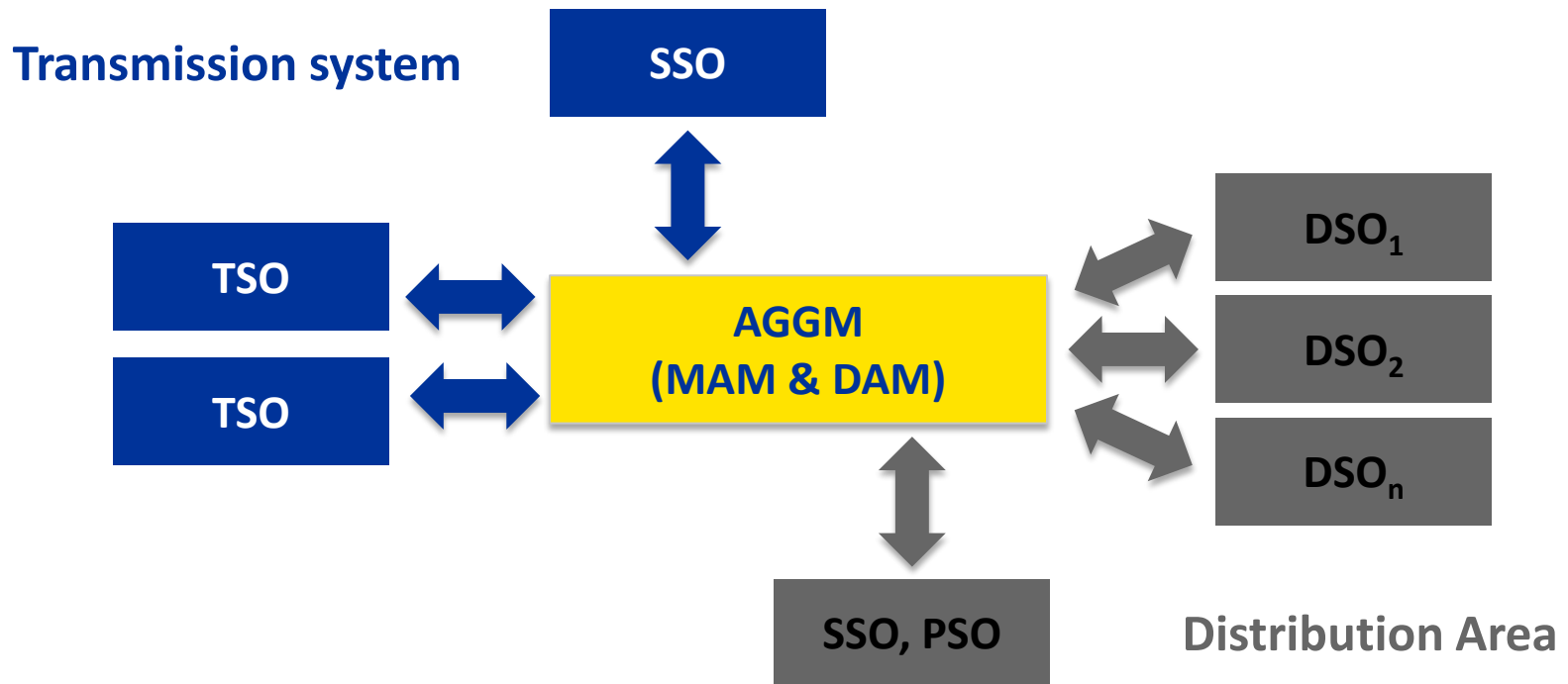
Maintenance Information Meeting

21th November 2018

- ▶ **Principles of Maintenance Coordination**
- ▶ Review Maintenance Coordination 2018
- ▶ Current Status Maintenance Coordination 2019
- ▶ Publication

- ▶ *[MAM]* coordinate[s] maintenance of the transmission and distribution network [...] such that the impact on system users is kept as small as possible
Sec. 14. (1) 11. Natural Gas Act
- ▶ *[DAM]* coordinate[s] maintenance of the distribution pipeline systems listed in Annex 1 such that the impact on network users is kept as small as possible
Sec. 18. (1) 28. Natural Gas Act
- ▶ Regulation (EU) No. 1227/2011 (REMIT)
- ▶ ACER Manual of Procedures on [...] and inside information reporting

- ▶ Securing end consumer demand
- ▶ No unplanned restrictions of operation due to maintenance measures
- ▶ Prevention and/or minimization of capacity restrictions for balance groups
- ▶ Optimizing necessary operative restrictions
 - ▶ Simultaneous execution of maintenance activities, which do not add up operative implications
 - ▶ Dissolving maintenance activities, which otherwise would add up their operative implications
- ▶ Transparent publication and information of the market participants pursuant to the REMIT provisions



- ▶ Annual planning for following year by November – Publication of „Integrated Annual Maintenance Plan“ (IAMP) by AGGM
- ▶ Planning/updates during the year:
 - ▶ Including new/updated projects and measures – Update of IAMP
 - ▶ Ongoing tracking of execution and completion of the maintenance activities

▶ Transmission System

- ▶ 1st August AGGM sends questionnaires to TSOs & SSOs
- ▶ 5th September Questionnaires return to AGGM
- ▶ 20th September 1st Integrated Annual Maintenance Plan (IAMP) draft to TSOs & SSOs
- ▶ 1st week in October Coordination meeting with TSOs & SSOs
- ▶ 15th October 2nd IAMP draft to TSOs & SSOs
- ▶ 15th November Publication of maintenance activities of the following year by TSOs

▶ Distribution System

- ▶ 1st September AGGM sends questionnaires to DSOs & SSOs
- ▶ 30th September Questionnaires return to AGGM
- ▶ October: (bilateral) coordination meetings with DSOs & SSOs (if necessary)

▶ November

AGGM Publication of one single IAMP

▶ 21th November 2018

Maintenance Information Meeting

▶ During calendar year

Regular IAMP adaptations minimum 4 weeks (distribution) or 42 days (transmission) in advance

- ▶ Asset owners are obliged to publish insider information concerning planned maintenance activities via REMIT and ACER compliant publications
 - ▶ TSOs in Austria publish planned capacity reductions via ENTSOG Transparency Platform and on their website
 - ▶ SSOs and PSO in Austria publish planned capacity reductions via individual platforms and on their website
 - ▶ TSOs, SSOs and PSOs in Austria publish UMMs via individual platforms – within OMV convergence on CEGH REMIT platform for the future
- ▶ AGGM publishes
 - ▶ the IAMP on its website*
 - ▶ UMMs via the CEGH REMIT platform** from end of November 2018 onwards (NEW!)

* <https://www.aggm.at/en/network-information/maintenance-coordination>

** <https://www.gashub.at/remit>

- ▶ Principles of Maintenance Coordination
- ▶ **Review Maintenance Coordination 2018**
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- ▶ In 2018 up to now 44 maintenance activities of TSOs leading to capacity restrictions at relevant entry/exit points (publication by TSOs and in IAMP of AGGM)
- ▶ Trans Austria Gasleitung (TAG) – 27 activities
 - ▶ execution according to annual planning for 2018
 - ▶ some changes and new measures during the year
- ▶ Gas Connect Austria (GCA) – 17 activities
 - ▶ execution according to annual planning for 2018
 - ▶ resuming operations in Baumgarten prioritized → some measures planned for 2018 not executed
 - ▶ additional changes and new measures during the year

- ▶ Up to now about 280 maintenance activities registered in 2018 affecting the distribution area – activities in all distribution systems!
- ▶ 2018 dominated by consequences of gas explosion in Baumgarten on 12.12.2018, leading to an interruption between TS and DA in Baumgarten – due to high efforts of GCA in resuming operation step-by-step, effects on market participants could be kept low:
 - ▶ 13.3.2018: partial availability entry TS → DA
 - ▶ 1.5.2018: full availability entry TS → DA
 - ▶ afterwards interconnection of additional pipelines → redundancy increased
 - ▶ 28.9.2018: availability exit DA → TS
- ▶ Several challenging maintenance projects 2018, but effective implications on market participants in practice could be kept low:
 - ▶ only 5 capacity restrictions at Entry/Exit Points of DA to be published by AGGM

- ▶ Highlights maintenance DA 2018 (excerpts):
 - ▶ Resuming operation in Baumgarten towards DA step-by-step
 - ▶ Reconstruction pipeline Auersthal – Laa (subproject 2 of 3) → auxiliary transport via Laa to be organized
 - ▶ Construction works on high pressure pipeline in Salzburg → auxiliary transport via Freilassing to be organized
 - ▶ Auersthal reverse flow finished and pressure increase Upper Austria in completion
 - ▶ Several pipeline inspections / pig-runs demanding special operation modes and gas flow conditions in network level 1
 - ▶ Several ESD Tests and station works in transmission system implicating the DA
 - ▶ Exchange of valves and insulation spacers → pipeline interruptions and special operation modes in network level 1
 - ▶ Pipeline reallocation in Liechtenstein → pipeline interruption for interconnection works → supply of downstream systems to be ensured
 - ▶ New interconnection points between network level 1 and 2

- ▶ Principles of Maintenance Coordination
- ▶ Review Maintenance Coordination 2018
- ▶ **Current Status Maintenance Coordination 2019**
- ▶ Publication

- ▶ Publication of maintenance activities by TSOs and of IAMP 2019, version 1 by AGGM on 15th November 2018
- ▶ Trans Austria Gasleitung (TAG)
 - ▶ Several System Tests (few hours)
 - ▶ Pipeline works in the areas of St. Paul, Ruden and Arnoldstein and station works in Baumgarten, Grafendorf, Weitendorf and Ruden causing capacity restrictions of several days in July to September
- ▶ Gas Connect Austria (GCA)
 - ▶ Several System Tests (few hours)
 - ▶ Several Works on (compressor) stations causing longer capacity restrictions (several days) in July and August as well as in October and November
 - ▶ Consequences from TAG maintenance activities on the SOL pipeline (Murfeld)

- ▶ During annual planning 2019 more than 70 activities registered, but currently only two affecting capacities of storage interconnection in DA
 1. Station Maintenance in Kronstorf (18.-21.03.2019, 4 days) – interruption of interconnection between Lower and Upper Austria
 2. ESD Tests Baumgarten (28.05.2019, 8 hours)
- ▶ AGGM Evaluation of the consequences of maintenance activities 2019
 - ▶ Annual capacity booking of storage and production facilities not yet finished
 - ▶ Parameters of the standard capacities 2019 to be derived by AGGM
 - ▶ Current publication of IAMP for DA contains draft evaluation based on capacity data 2018
- ▶ Capacity relevant maintenance activities 2019 of the SSOs and PSOs in DA
 - ▶ Maintenance weeks of the RAG storage facilities in April and October 2019
 - ▶ Annual maintenance OMV Production Aderklaa (Sep. 2019) – published by OMV Austria Exploration & Production GmbH on CEGH REMIT platform

- ▶ Reconstruction of pipeline Auersthal – Laa (subproject 3 of 3) from 27th to 30th August 2019 → another auxiliary transport via Laa to be organized by AGGM in order to ensure end consumer supply of the north-eastern parts of Lower Austria
- ▶ Technical demand:
 - ▶ Delivery via cross-border interconnection point Hevlín – Laa/Thaya in MA East
 - ▶ 4 gas days: 27th to 30th August 2019
 - ▶ Gas supply volume: 110 to 140 MWh/h (linear) – to be determined
- ▶ Execution by means of a Swap Service (as in 2017 and 2018 *)
 - ▶ AGGM hands over volume to contractor via trading nomination at CEGH VTP
 - ▶ Simultaneously, the contractor hands over the respective volume at interconnection point Hevlín – Laa/Thaya
- ▶ Public Call for Tender for the Swap Service by AGGM in spring 2019

* For details refer to: [Auxiliary transport Laa 2018](#)

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- ▶ Integrated Annual Maintenance Plan (IAMP) on AGGM website:
<https://www.aggm.at/en/network-information/maintenance-coordination>
 - ▶ Page 1: Synopsis of capacity relevant maintenance activities of Austrian TSOs
 - ▶ Page 2: capacity restrictions at entry/exit points in DA caused by maintenance work as well as synopsis of capacity relevant maintenance activities of Austrian SSOs/PSOs
- ▶ Capacity restrictions at entry/exit points in DA caused by maintenance work are additionally published by means of versioned UMMs per entry/exit point on the CEGH REMIT platform (**NEW!**)
<https://www.gashub.at/remit>
- ▶ AGGM provides on its website links to maintenance publications of the relevant system operators in Austria and of the TSOs in neighbouring countries
<https://www.aggm.at/en/network-information/maintenance-coordination>
- ▶ E-mail address instandhaltung@aggm.at for maintenance communication with AGGM in operation

- ▶ Effort to reduce the number of different REMIT platforms → AGGM, Gas Connect Austria, OMV Gas Storage Austria and OMV Austria Exploration & Production will be publishing inside information on the CEGH REMIT platform in the future
- ▶ CEGH REMIT platform (<https://www.gashub.at/remit>)
 - ▶ listed by ACER as “Inside Information Platform” → standards observed
 - ▶ Relaunch of platform accomplished → option to create templates and use wildcards in postings
 - ▶ Publication freely available (RSS feed and e-mail notifications)
 - ▶ Free registration service for individual inside information publications
- ▶ UMMs of AGGM from now on via CEGH REMIT platform only
- ▶ AGGM Newsletter and AGGM Info will continue to be available on the [AGGM Platform](#)

- ▶ Publication of the amended IAMP including DA (based on draft evaluation of the capacity restrictions) on the AGGM website (end of November 2018)
- ▶ Confirmation of the announced maintenance activities in DA for 2019, including AGGM-ID, to the respective system operator by AGGM (Dec. 2018)
- ▶ Final evaluation of the capacity restrictions in DA as soon as the definitive capacity data for 2019 are available → amendment of the IAMP and publication of the respective UMMs by AGGM till mid of January 2019
- ▶ Introduction of document (“questionnaires”) exchange via SharePoint platform – will be announced to the relevant system operators
- ▶ Enhancement of IAMP presentation planned

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ACER	Agency for the Cooperation of Energy Regulators
ESD	Emergency Shut Down
DA	Distribution Area
DAM	Distribution Area Manager
DSO	Distribution System Operator
IAMP	Integrated Annual Maintenance Plan
MA	Market Area
MAM	Market Area Manager
PSO	Production System Operator
REMIT	Regulation on Wholesale Energy Market Integrity and Transparency
SSO	Storage System Operator
TS	Transmission System
TSO	Transmission System Operator
UMM	Urgent Market Message
VTP	Virtual Trading Point