



Knowledge that helps you get ahead

Market communication between BGM and MAM

Agenda

1. Who we are
2. Market communication via BDEW-AS4
3. EDIFACT-Data Exchange between MAM and BGM
4. Allocation clearing

Who we are

Who we are

Head of Data Management

Oliver Klingebiel

Data Management

Marcus Blümke

Kai Lütke-Bordewick

Nicolas Acosta Kehren

Daniel Marcinkowski

Heide Schultz

Matthias Wegner



[Home](#) [About us](#) [Publications](#) [Services](#) [Download](#) [Portals](#) [Contact](#)

[Contact](#) > [Data Management](#)

Data Management

Are you looking for a contact person to answer your questions about data communication, general questions on data formats, adjustments, processes, declarations or allocation tests?

Please feel free to contact us! The contact persons and contact details of our data management team are provided on this page.

Contact person



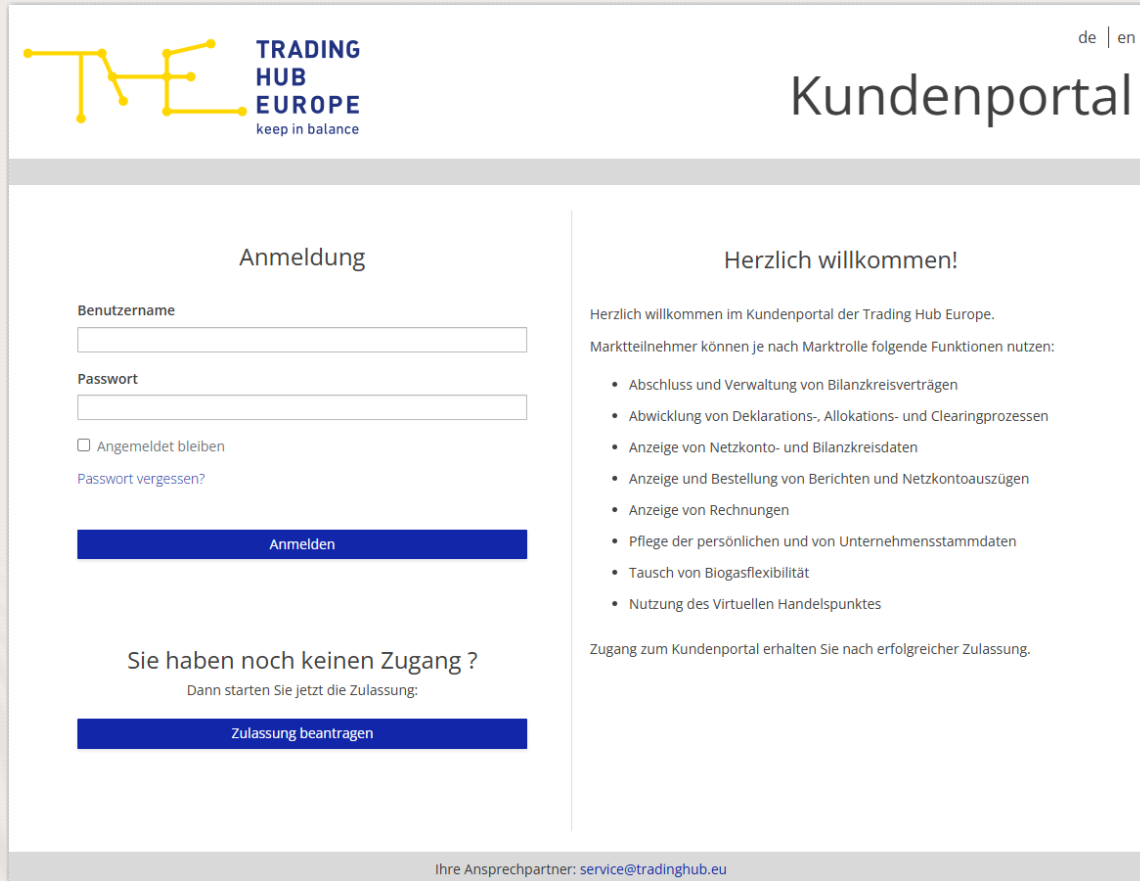
Data Management

Working days Mo-Th 7-17, Fr 7-15

P +49 211 542000 401



What we don't do



The screenshot shows the 'Kundenportal' (Customer Portal) login page for Trading Hub Europe. The header includes the TNE logo with the tagline 'keep in balance' and the text 'de | en'. The main content is divided into two columns. The left column, titled 'Anmeldung', contains a login form with fields for 'Benutzername' and 'Passwort', a checkbox for 'Angemeldet bleiben', a link for 'Passwort vergessen?', and a blue 'Anmelden' button. Below this is a section for new users titled 'Sie haben noch keinen Zugang ?' with the text 'Dann starten Sie jetzt die Zulassung:' and a blue 'Zulassung beantragen' button. The right column, titled 'Herzlich willkommen!', contains a welcome message, a list of functions available to market participants, and a note about access after successful authorization. The footer mentions the contact partner 'service@tradinghub.eu'.

de | en

Kundenportal

Anmeldung

Benutzername

Passwort

☐ Angemeldet bleiben

[Passwort vergessen?](#)

Anmelden

Sie haben noch keinen Zugang ?

Dann starten Sie jetzt die Zulassung:

Zulassung beantragen

Herzlich willkommen!

Herzlich willkommen im Kundenportal der Trading Hub Europe.

Marktteilnehmer können je nach Marktrolle folgende Funktionen nutzen:

- Abschluss und Verwaltung von Bilanzkreisverträgen
- Abwicklung von Deklarations-, Allokations- und Clearingprozessen
- Anzeige von Netzkonto- und Bilanzkreisdaten
- Anzeige und Bestellung von Berichten und Netzkontoauszügen
- Anzeige von Rechnungen
- Pflege der persönlichen und von Unternehmensstammdaten
- Tausch von Biogasflexibilität
- Nutzung des Virtuellen Handelspunktes

Zugang zum Kundenportal erhalten Sie nach erfolgreicher Zulassung.

Ihre Ansprechpartner: service@tradinghub.eu

Publication of the aggregate consumption data

In this section Trading Hub Europe publishes the aggregate consumption data (allocation data) for the RLM and SLP exit points in its market area. This aggregated consumption data is based on the allocation data that network operators transmit to Trading Hub Europe. The preliminary SLP data are published on a daily basis for the following day, while the preliminary data for RLM exit points are published each day for the previous day. Corrected RLM data are published after the M+12WD notification. The final data are published after the clearing period.

Please find [here](#) more explanations about the aggregated consumption data.

Market Communication via BDEW AS4

Market Communication via BDEW AS4

One certificate stripel per market partner ID (MP-ID) is required for the BDEW AS4 protocol

- The certificate bundle consists of a
 - TLS certificate (establishment of secure communication using ECC) Signature certificate (authentication of sender and recipient)
 - Encryption certificate (encryption and decryption of the EDIFACT message)
- The market partner ID (MP ID) and the communication endpoint (AS4 server including path on the server) must be specified in the certificates.
- A separate AS4 endpoint is required for each MP ID
- Requirements for the certificate issuer (CA)The CA must be accredited by the BSI and published on its website
- [Link](#)

Process changes resulting from the AS4 certificate change

- New certificates are no longer sent by email
- No alternative communication channel to AS4 except the customer portal
- No selection option by THE if two certificates are valid at the same time



Ensuring that messages are received via both certificates

5.3 Zertifikatswechsel

Spätestens 10 Werktage, bevor Zertifikate ungültig werden, muss der Inhaber dieser Zertifikate die Nachfolgezertifikate zur Verfügung gestellt haben (vgl. Kapitel 2 und Kapitel 8). Somit entsteht ein Überlappszeitraum von mindestens 10 Werktagen, in dem noch die bisherigen und die neuen Zertifikate gleichzeitig gültig sind. Für diesen Zeitraum gilt: Innerhalb dieses Überlappszeitraums kann bei allen Marktpartnern die Umstellung von den bisher genutzten auf die neuen Zertifikate erfolgen.

Der öffentliche Schlüssel zum Signieren wird mit dem zugehörigen Zertifikat in jeder AS4-Nachricht übermittelt und darf daher vom Absender einer AS4-Nachricht sofort verwendet werden. Der Empfänger der Nachricht kann die Signatur anhand des übermittelten Zertifikats validieren.

Ein neues Zertifikat mit zugehörigem öffentlichem Schlüssel zum Aufbau des TLS-Kanals darf sowohl vom Absender als auch vom Empfänger einer AS4-Nachricht sofort genutzt werden, da dieses beim Aufbau des TLS-Kanals übermittelt wird.

Im Überlappszeitraum müssen alle Marktpartner in der Lage sein, sowohl mit den bisher genutzten als auch mit den neuen Zertifikaten signierte und verschlüsselte AS4-Nachrichten zu verarbeiten.

5.4 Rückruf und Sperrlisten

Will ein Zertifikatsinhaber sein Zertifikat vor Ablauf der Gültigkeitsfrist nicht mehr verwenden oder für ungültig erklären, so muss er sein Zertifikat über die Sperrlisten (CRL) seines CA-Anbieters zurückziehen lassen. Die Vorgaben und Regelungen für die Sperrung von Zertifikaten, Verarbeitung von Sperrlisten und der Aktualisierungs- und Prüfungszeiten ergeben sich aus der Certificate Policy (CP) der SM-PKI.

Process changes introduced by switch to AS4 market communication – Change of service provider

Before AS4-switch

The switching date is set out in the market partner's power of attorney

THE switched the market partner's market communication path on the desired date

After AS4-switch

The switch to AS4 market communication is controlled exclusively via the AS4 endpoints and the certificates.

On the day of the communication switch, the market partner must recall the certificate with the previous AS4 endpoint



Date/Time of switch is now beyond THE`s control

EDIFACT-data exchange between MAM and BGM

EDIFACT-Data exchange between BGM and MAM

11:30-
13:00

- TSIMSG -> Declaration
- ALOCAT X1G -> SLP
- ALOCAT X5G -> RLM

As of 14:00

- NOMINT -> Nomination VTP D+1 *
- NOMRES -> Confirmation of VTP-Deals *

*** This format is also available as XML**

As of 15:00
Uhr

- ALOCAT X4G -> RLM intraday (15:15 and 18:30)
- IMBNOT -> BG-status
- TRANOT -> BG-values of sub balancing groups

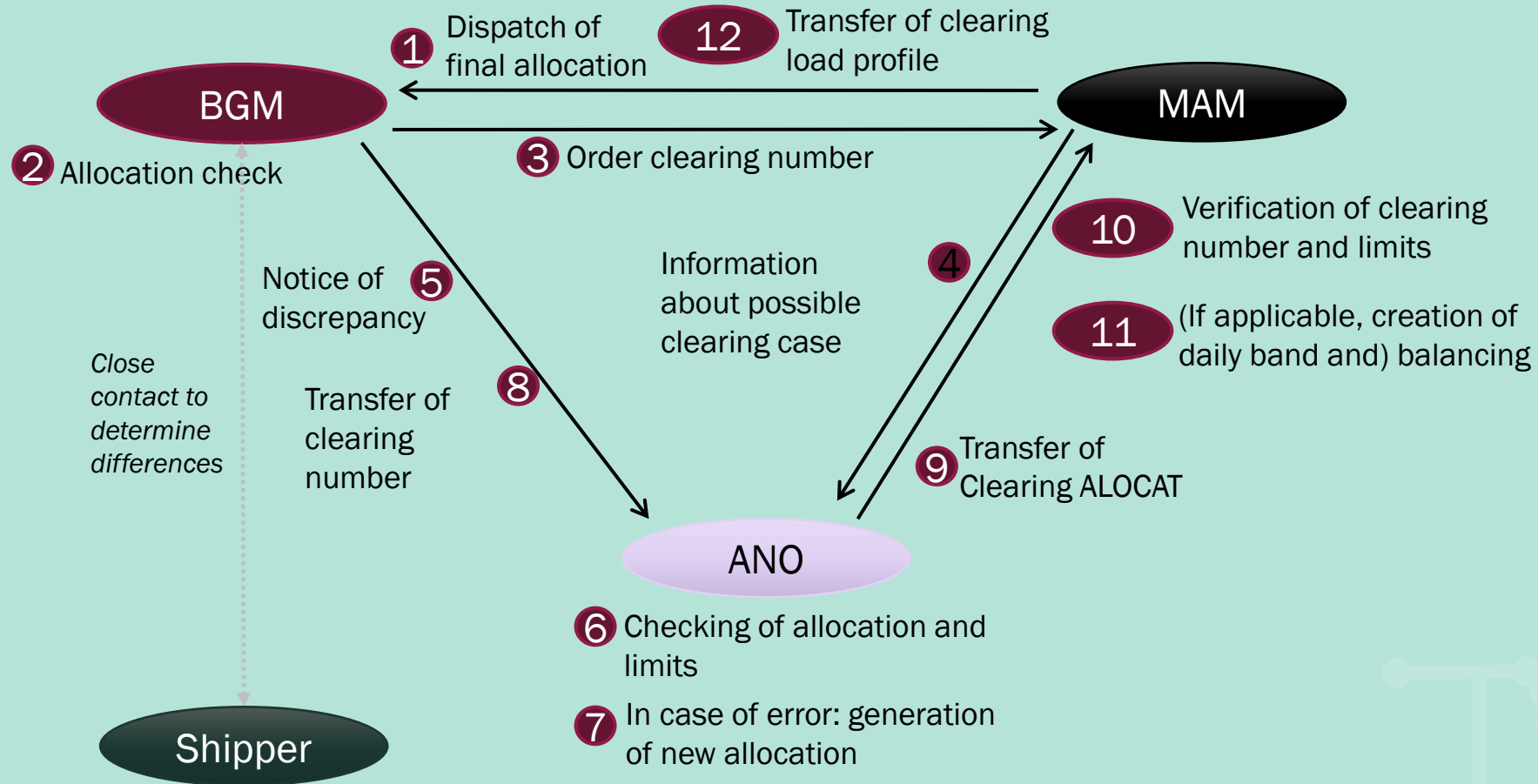
EDIFACT-Data exchange between BGM and MAM

- **TSIMSG:** Dispatch of declarations to BGM approx. 11:45
- **ALOCAT X1G:** Dispatch of forecasted consumptions for D+1 approx. 12:15
- **ALOCAT X5G:** Dispatch of measured consumptions for D-1 approx. 12:30
- **NOMINT:** Receiving VTP-Nomination for D+1 as of 14:00
- **NOMRES:** Dispatch of trade confirmation at VTP
- **ALOCAT X4G:** Transmission of intraday consumption measurements for the first 6 hours of the gas day at approx. 3:15 p.m. Transmission of intraday consumption measurements for the first 9 hours of the gas day at approx. 6:30 p.m..
- **IMBNOT:** Sending of the balancing group status for review (balancing group tolerances, balancing group allocation quantities, balancing group balance) approx. 8:00 p.m.
- **TRANOT:** Sending of values relevant to the superordinated BK for balancing group status at approx. 4:30 p.m. & 5:30 p.m. Sending of values relevant to the superordinated balancing group for balancing group status at approx. 3:00 a.m. for monthly values at time M+2M-10WD



Allocation clearing

Interaction of market partners using the example of SLP Clearing



Process requirements for allocation clearing (1/2)

	SLP	RLM
Reason for clearing	• Default substitute value procedure to eliminate outliers before gas balancing and before any system balancing actions are caused • <u>No</u> ex-post improvement of the allocation • <u>No</u> elimination of nomination errors of the BGM • Deviations between allocation and consumption are compensated through reconciliation quantity mechanism	• Settlement of deviations between allocation quantity and network utilisation quantity
Deadlines	• After deadline: No correction of allocation data • Deadline: D-1, from 13.01 to M+2M-10BD (-1KT)	• After deadline: No correction of allocation data • Deadline: M+15BD to M+2M-10BD (-1KT)
Limit values	• Allocation of day D for each data series type, and BG must exceed the allocation of day D-1 by 100% or more <u>or</u> fall short of it by 50% or more <u>and</u> deviate by at least 25,000 kWh • Example: Allocation D = 50,000 kWh; allocation D-1 = 25,000 kWh → allocation clearing is possible	• Minimum difference of 500 kWh per month
Exceptions Limit values	• No checking of clearing limits for first-time SLP declaration and missing allocation • No checking of clearing limits in the event of zero allocation during the month • Creation of default substitute value by MAM; technical problems encountered by the MAM	• Technical problems encountered by MAM

Process requirements for allocation clearing (2/2)

	SLP	RLM
Objection	Objection to participation only possible in justified cases	Objection to participation only possible in justified cases
Clearing number	- Clearing cannot take place without a valid clearing number - Clearing number must be requested from the MAM (customer portal) - Clearing number can only be applied for by BGM - Daily clearing number only	- Clearing cannot take place without a valid clearing number - Clearing number must be requested from MAM (Customer Portal) - Clearing number can only be requested by BGM - Daily or monthly clearing number
Clearing ALOCAT	- Clearing cannot take place without Clearing ALOCAT - Clearing ALOCAT must include clearing number - Clearing ALOCAT can only be sent by the NO to the MAM	- Clearing cannot take place without Clearing ALOCAT - Clearing ALOCAT must contain clearing number - Clearing ALOCAT can only be sent by the NO to the MAM

Two-part clearing process → Both the NO and the BGM must be involved

Exception: NO Clearing for RLMs

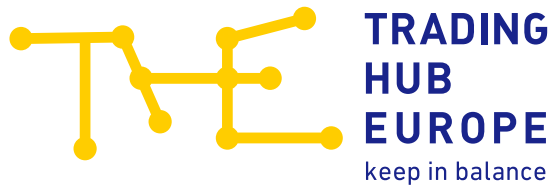
Network operator clearing for RLM exit points

Background

- Network operators can independently apply for a clearing number for RLM exit points and thus do the clearing without involving the BGM
- However, regular clearing must be prioritised
- A network operator (NO) may initiate an NO clearing process only if a BGM does not respond
- Differences between the NO clearing value and the original allocation are settled with the BGM at the price for RLM quantity differences



Thank you



Standort Düsseldorf

EUREF-Campus 1
1 40472 Düsseldorf
+49 211 542 000 - 0
info@tradinghub.eu

Standort Berlin

Anna-Louisa-Karsch-Str. 2
10178 Berlin
+49 30 364 289 - 0
info@tradinghub.eu

Rückblick AS4- Umstellungen

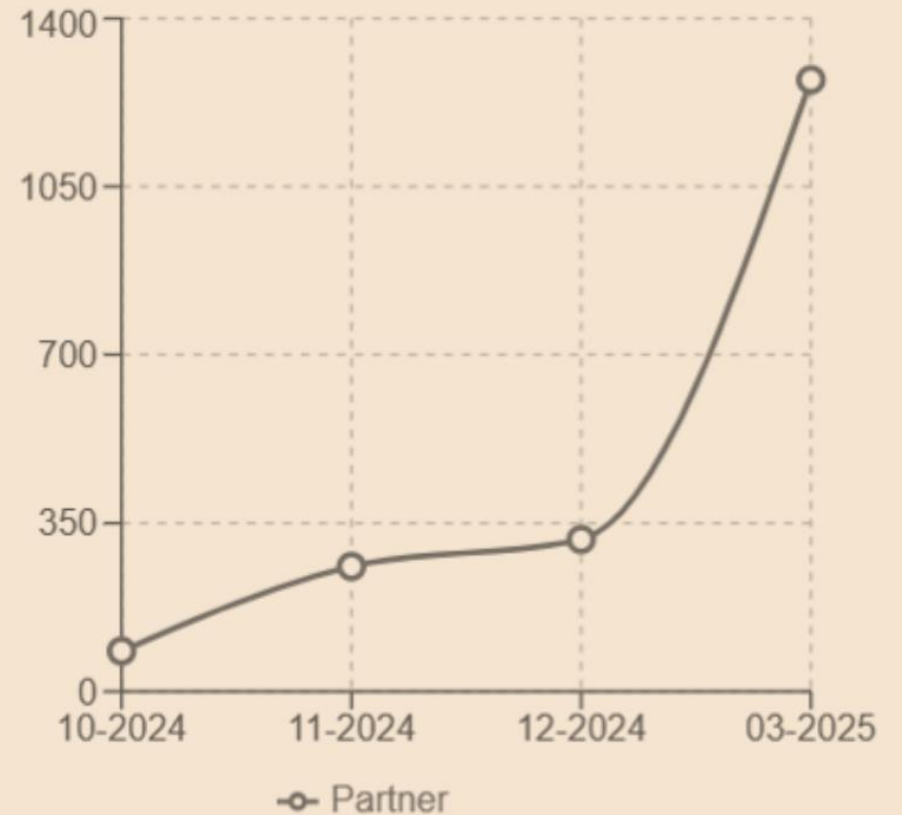
2. Rückblick AS4-Umstellung

Was ist wirklich passiert?

- Die Umstellungen für das Fahrplanmanagement Strom haben erst im Oktober begonnen, mit Zieltermin Ende November.
- Die Pilotpartner hatten teilweise erst nach dem Sommer mit den Umsetzungen begonnen.
- Viele Marktpartner hatten bei der Einführung größere Herausforderungen als erwartet.

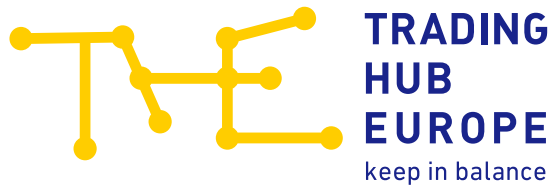
➔ Wir haben noch nach dem 01.04.2025 Verbindungen umgestellt.

Entwicklung der Partneranzahl



Starkes Wachstum von 84 auf 1272 Partner

Vielen Dank für Ihre Aufmerksamkeit



Standort Düsseldorf

EUREF-Campus 1
1 40472 Düsseldorf
+49 211 542 000 - 0
info@tradinghub.eu

Standort Berlin

Anna-Louisa-Karsch-Str. 2
10178 Berlin
+49 30 364 289 - 0
info@tradinghub.eu