

ENTSOG recommends the use of edig@s® for balancing and settlement processes

The Commission Regulation (EU) 2015/703 on Interoperability and Data exchange rules (INT&DE NC) gives Transmission system operators and their counterparties three types of data exchange that can be implemented: Document based (EDI), Interactive (Systems) and integrated (Peer to peer EDI). To further facilitate the technical harmonisation and efficiency in the gas sector, ENTSOG supports the harmonisation of EDI data exchange message formats based on edig@s® 6.1 for balancing and settlement processes. edig@s® is a tailor-made XML EDI solution for the gas market which is a tried and trusted method of data exchange.

The rationale for recommending the edig@s® messaging format

The following is covered by edig@s® XML messages:

- **Business Process Coverage** – edig@s® is developed by industry experts for data exchange in gas processes.
- **NC Compliance** – edig@s® has been already identified in the INT&DE NC as an efficient solution ensuring an optimal degree of interoperability.
- **Communication protocols** – edig@s® is aligned with ENTSOG’s AS4 communication profile which also has validation tools to help implementation of edig@s® payloads.

edig@s® XML provides stakeholders with an efficient technical tool for the automatic transmission of balancing and settlement data from one application directly to another. Through the application of edig@s®’s harmonised message formats, data is communicated efficiently and accurately irrespective of users’ internal hardware and software.

The use of edig@s® provides benefits for transmission system operators and their counterparties, including:

- **High speed integration:** Large volumes of gas data can be communicated from one computer to another at a speed that enables fast process cycle times and near real time data exchange.
- **Accuracy:** edig@s® can reduce errors resulting from manual data input or errors derived from non-edig@s® based data models where the information that is sent is not readily understood by the recipient.
- **Communication:** If used by both parties, edig@s® can eliminate data interpretation errors and improve partner communication.

In addition, within the European gas sector, the edig@s® message format has already been widely adopted and implemented on a community basis upstream and downstream in the gas value chain. ENTSOG promotes further application of edig@s® in the gas community.

Resolution and recommendation

The recommendation targets the Balancing and settlement processes and the associated edig@s® 6.1¹ messages and documents as seen below.

Non-binding Message Recommendation for Balancing & Settlement Processes

edig@s® Message	Document type	Document
METRED	Meter reading document	Measurement Information
MARSIT	Market situation document	Balancing action forecast
MARSIT	Market situation document	Within day Balancing action results
MARSIT	Market situation document	Emergency clearing confirmation (not referenced in BAL NC)
MARSIT	Market situation document	Operational Balancing Agreement (not referenced in BAL NC)
MARSIT	Market situation document	Market area position
MARSIT	Market situation document	Account position report
MARSIT	Market situation document	Non daily metered forecast
MARSIT	Market situation document	End of day Balancing results
MARSIT	Market situation document	Reconciliation notification (not referenced in BAL NC)
MARSIT	Market situation document	Provisional allocation report
MARSIT	Market situation document	Definitive allocation report

It is with the aforementioned technical evolution in mind that ENTSOG wishes to recommend the use of edig@s® as an efficient data exchange format. Whilst ENTSOG supports the adoption of edig@s®, each transmission system operator and each counterparty involved in balancing data exchange are still fully entitled to use whichever format they see fit out of the three data exchange solutions outlined in Article 21 of the INT&DE NC.

¹ This recommendation is based on the latest version of edig@s® 6.1. If new edig@s® versions are published this recommendation may be updated.