

XBID_JOINT_NOR_02: Distribution of allocation information

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Approval

Version	Date	Name	Function	Signature

Previous versions

Version	Date	Author	Summary of changes
0.1	10/03/2015	Elia	Initial draft
0.2	22/02/2016	TenneT TSO B.V.	Extended scope with files to Shipping Agents and CCPs
0.3	20/06/2016	Joint	Review and clean-up
0.4	31/10/2016	Joint	Review and clean-up
0.5	08/02/2017	TenneT TSO B.V.	Update risk cases (alignment with BUP 02).
0.6	24/07/2017	Energinet	Corrected input on DK interconnectors.
1.0	28/09/2017	T. Bus	Cleaned up
1.1	04/06/2018	TenneT TSO B.V.	Final clean up before GoLive
1.2	27/03/2019	O TF Chair	Minor textual changes Removal of references to hourly products/gate closures
1.3	23/04/2019	O TF Chair	Inclusion of 2 nd wave in table 1
	25/09/2020	O TF Chair	Inclusion of DE-BE and NO2-DE in table 1
1.5	05/10/2020	TenneT TSO GmbH	Corrected input on DE-NL and NO2-DE.
1.6	27/02/2022	O TF Chair	Removal of references to hourly sequences

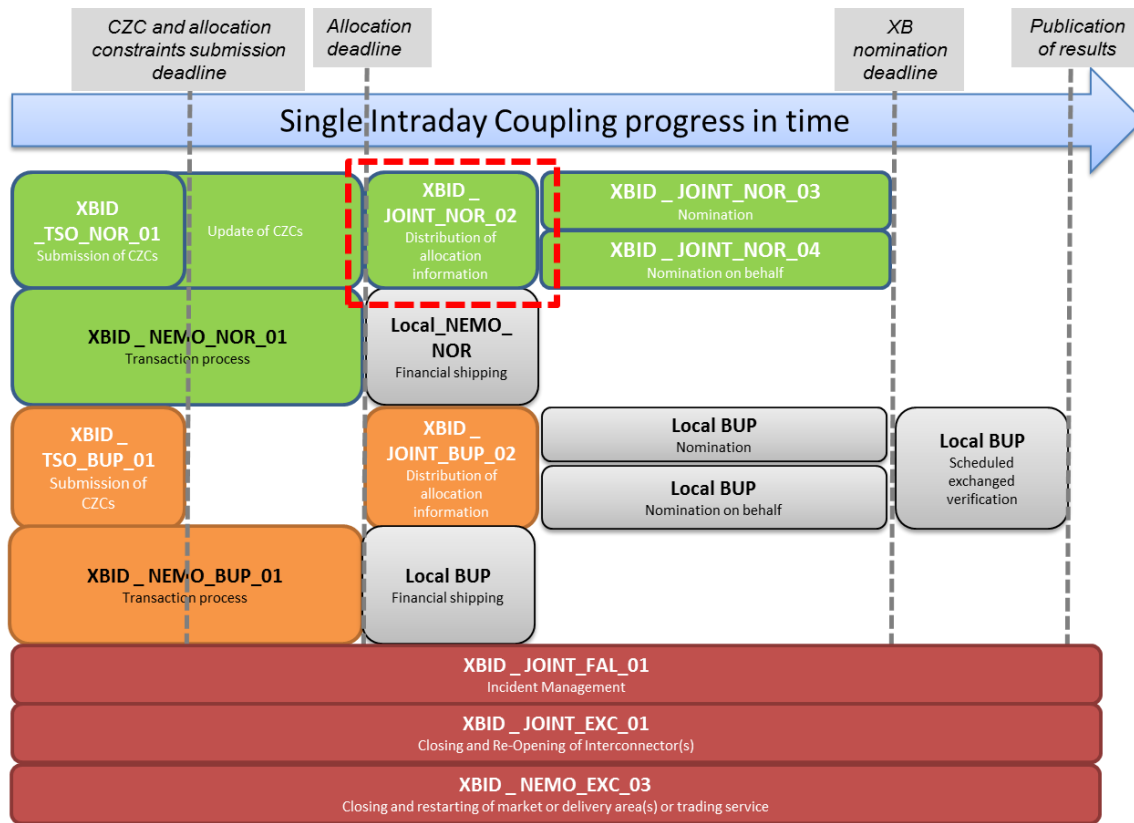
Remarks

As a general principle, as soon as an event occurs that prevents the normal performance of a process the operators refer to **XBID_JOINT_BUP_02**.

Table of Contents

1. Introduction	4
1.1. Summary.....	8
1.2. Governed/ Regulated by.....	8
1.3. Tools and Communication protocols.....	8
1.4. Associated procedures	8
2. Procedure.....	10
2.1. General overview.....	10
2.2. Process Clarification.....	11
3. Final State.....	14
Annex - Overview of files sent by each of the XBID Modules	15

1. Introduction



This procedure describes the process of transferring information from the XBID System towards the TSO Post-Coupling Systems and to the Shipping Agents and CCPs. This information encompasses Capacity Rights (for implicit and explicit allocation when relevant) and nomination information that can be used by TSO Post-Coupling Systems to create Cross-border and/ or HUB nominations on behalf of the Shipping Agents (when needed). In addition, the TSOs that are not using the nomination system, will use the net XB allocation information (from CMM) to create the physical schedule on the interconnectors.

When allocation information is successfully received by the TSO Post Coupling System, the TSO will/can validate the allocation information against the given capacity and ramping constraints (local TSO procedure).

Depending on the type of allocation (explicit and/or implicit) and the nomination solution (on behalf of the agent or not, for every type of nominations) that is in place, each TSO can decide on the necessity of receiving certain types of information from the XBID System.

Process-wise, a distinction is made between **ex-ante** nominations and **ex-post** nominations. Depending on the local market rules, some nominations are mandatory ex-ante, and others can be ex-post. The deadlines mentioned in this procedure only concern the ex-ante nominations as they are time-critical for the progress of the Single Intraday Coupling processes. Deadlines for ex-post nominations are to be specified in local procedures.

The table below describes per interconnector whether or not implicit and/or explicit allocations are in place and which nomination solution has been chosen. This nomination solution is defined by a combination of time-criticality (ex-ante or ex-post) and origin (on behalf or by Shipping Agent). As previously described, only nominations relating to Shipping Agent and CCP are concerned here.

Please note:

- Nordic TSOs operationally perform the nominations on interconnectors. The Shipping agent gets involved only for settlement purpose.
- MIBEL TSOs operationally perform the nominations on interconnectors collecting the information from the CMM (NSF file).
- Wherever reference is made to the roles of “Shipping Agent”, “CCP” or “Market Participant” the actual party involved is the “Scheduling Agent” of the relevant party.
- Explicit Market Participants and any issue related to them, are under TSO responsibility
- Capitalized terms used in the operational XBID procedures have the meaning set forth in Exhibit 1 of the Intraday Operations Agreement (IDOA).

Table 1 – The allocation processes and nomination solutions in place for each interconnector

Interconnector(s)		Allocation Type		Nomination solution for Shipping Agents		Nomination solution for explicit participant	
		Implicit ?	Explicit?	Cross-border	Local HUB	Cross-border	Local HUB
AT – SI		Yes	No	AT: by shipping agent SI: Ex-ante/On behalf	AT: by shipping agent SI: Ex-post/by Shipping Agent	N.A.	N.A.
BE-NL		Yes	No	Ex-ante/On behalf	Ex-Post/ by Shipping Agent	No	No
BE-FR		Yes	No	Ex-ante/On behalf	Ex-Post/ by Shipping Agent	No	No
DE-AT	AMP-APG	Yes	No	AMP: on behalf AT: by shipping agent	AMP: by shipping agent AT: by shipping agent	N.A	N.A
	TTN-APG						
	TTG-APG						
DE-DK1		Yes	No	On behalf	On behalf	No	No
DE-DK2		Yes	No	On behalf	On behalf	No	No
DE-NL	Amp-TTN	Yes	No	DE: on behalf NL: on behalf	DE: by shipping agent NL: ex-post/ by Shipping Agent	No	No
	TTG-TTN	Yes	No	DE: on behalf NL: on behalf	DE: on behalf NL: ex-post/ by Shipping Agent	No	No
DE-FR	AMP-RTE	Yes	Yes	On Behalf	DE: by shipping agent FR: Ex-Post single sided by CCP	DE: By Shipping Agent FR: On behalf	DE : By Shipping Agent FR: -
	TNG-RTE	Yes	Yes	On behalf	DE: by shipping agent FR: Ex-Post single sided by CCP	DE: By Shipping Agent FR: On behalf	DE : By Shipping Agent FR: -
DK1-NL		Yes	No	On behalf	NL: Ex-post/ by Shipping Agent DK1: on behalf	N/A	N/A

ES-PT	Yes	No	XB nomination taken by TSO from NSF file.	by TSO from NSF file. Shipping agent for internal purposes only	N/A	N/A
FR-ES	Yes	No	FR: On behalf ES: XB nomination taken by TSO from NSF file	FR: - ex-post single sided by CCP ES: by TSO from NSF file. Shipping agent for internal purposes only	N/A	N/A
NO1-NO2	Yes	No	by Shipping Agent for settlement purposes only	by Shipping Agent	No	No
NO1-NO3	Yes	No	by Shipping Agent for settlement purposes only	by Shipping Agent	No	No
NO1-NO5	Yes	No	by Shipping Agent for settlement purposes only	by Shipping Agent	No	No
NO1-SE3	Yes	No	by Shipping Agent for settlement purposes only	by Shipping Agent	No	No
NO2-DK1	Yes	No	DK1: On behalf NO2: by Shipping Agent for settlement purposes only	DK1: On behalf NO2: by Shipping Agent	No	No
NO2-NL	Yes	No	NO2: by Shipping Agent for settlement purposes only NL: on behalf	NO2: NL: Ex-post/ by Shipping Agent	N/a	N/a
NO2-NO5	Yes	No	by Shipping Agent for settlement purposes only	by Shipping Agent	N/a	N/a
NO3-NO4	Yes	No	by Shipping Agent for settlement purposes only	by Shipping Agent	N/a	N/a
NO3-NO5	Yes	No	by Shipping Agent for settlement purposes only	by Shipping Agent	No	No
NO3-SE2	Yes	No	by Shipping Agent for settlement purposes only	by Shipping Agent	No	No
NO4-SE1	Yes	No	by Shipping Agent for settlement purposes only	by Shipping Agent	No	No
NO4-SE2	Yes	No	by Shipping Agent for settlement purposes only	by Shipping Agent	No	No
SE1-FI	Yes	No	by Shipping Agent for settlement purposes only	by Shipping Agent	No	No
SE1-SE2	Yes	No	by Shipping Agent for settlement purposes only	by Shipping Agent	No	No
SE2-SE3	Yes	No	by Shipping Agent for settlement purposes only	by Shipping Agent	No	No

SE3-FI	Yes	No	by Shipping Agent for settlement purposes only	by Shipping Agent	No	No
SE3-SE4	Yes	No	by Shipping Agent for settlement	by Shipping Agent	No	No
SE3-DK1	Yes	No	DK1: On behalf SE3: by Shipping Agent for settlement purposes only	DK1: On behalf SE3: by Shipping Agent	No	No
SE4 – DK2	Yes	No	DK2: On behalf SE4: by Shipping Agent for settlement purposes only	DK2: On behalf SE4: by Shipping Agent	No	No
DK1-DK2	Yes	No	On behalf	On behalf	No	No
EE-LV	Yes	No	by Shipping Agent	by Shipping Agent	No	No
LV-LT	Yes	No	by Shipping Agent	by Shipping Agent	No	No
EE-FI	Yes	No	by Shipping Agent	by Shipping Agent	No	No
LT-SE	Yes	No	by Shipping Agent	by Shipping Agent	No	No
CZ – DE (50Hertz/Ten net)	Yes	No	CZ: by Shipping Agent DE: On behalf	On behalf	No	No
CZ – AT	Yes	No	by Shipping Agent	CZ: On behalf AT: by Shipping Agent	No	No
AT – HU	Yes	No	by Shipping Agent	by Shipping Agent	No	No
HU – RO	Yes	No	by Shipping Agent	by Shipping Agent	No	No
HU - HR	Yes	No	HR: Ex-ante/On behalf HU: by Shipping agent	HR: Ex-post/by Shipping Agent HU: by Shipping Agent	No	No
HR – SI	Yes	Yes	Ex-ante/On behalf	Ex-post/by Shipping Agent	No	No
RO-BG	Yes	No	By Shipping Agent	By Shipping Agent	No	No
PL-SE4	Yes	No	PL: on behalf SE: by Shipping Agent for settlement purposes only	PL: on behalf SE: by Shipping Agent	N/A	N/A
LT-PL	Yes	No	PL: on behalf	PL: on behalf	N/A	N/A
DE-PL	Yes	No	On behalf	On behalf	N/A	N/A
CZ-PL	Yes	No	CZ: by Shipping Agent PL: on behalf	On behalf	No	No
DE-BE	Yes	No	DE: on behalf BE: Ex-ante/On behalf	DE: by Shipping Agent BE: Ex-Post/ by	No	No

				Shipping Agent		
DE-NO2	Yes	No	DE: on behalf NO2: by Shipping Agent for settlement purposes only	NO2: by Shipping Agent DE: on behalf	N/a	N/a

1.1. Summary

This procedure describes the process of transferring information from the XBID System towards the TSO Post-Coupling Systems and/or to the Shipping Agent and/or CCP systems.

1.2. Governed/ Regulated by

- Intra-Day Operational Agreement (IDOA)
- [REDACTED] Service Level Agreement (XBID-DSA Hosting, XBID-DSA Maintenance)
- XBID High Level Functional Architecture (HLA) (Exhibit 6 to the IDOA)
- XBID B2B Agreement

1.3. Tools and Communication protocols

Tools

- XBID System (incl. CMM, SOB and Shipping Module)
- CCP systems
- Shipping systems
- TSOs Post-Coupling Systems

Communication protocols

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

1.4. Associated procedures

Preceding procedures:

- Local TSO procedure: Handling of explicit allocation requests
- XBID_NEMO_NOR_01 Transaction Process

Subsequent procedures:

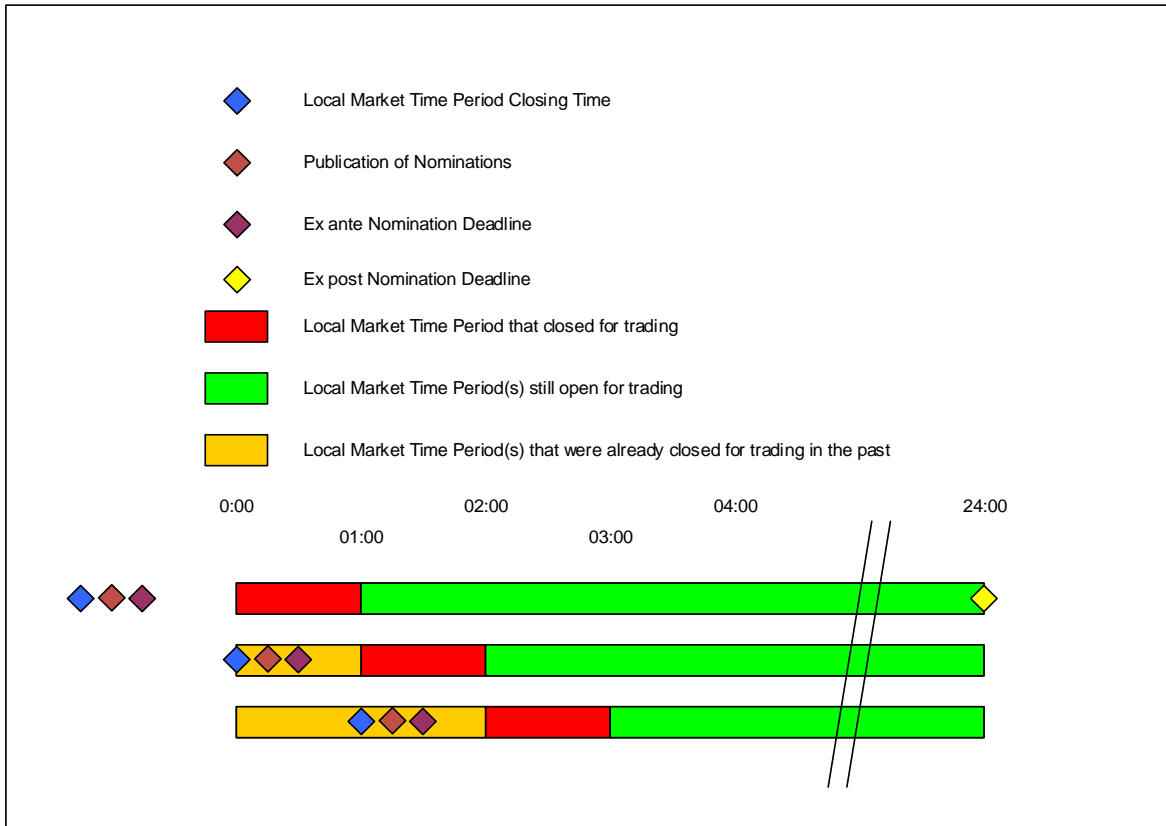
- XBID_JOINT_NOR_03: Nomination
- XBID_JOINT_NOR_04: Nomination on behalf
- Local TSO procedure: Validation of allocation information against capacity and ramping constraints

Other associated procedures and rules:

- XBID_JOINT_OTH_02: Internal and External Communications
- XBID_JOINT_FAL_01: Incident Management
- XBID_JOINT_EXC_01: Closing and re-opening of interconnector(s)
- XBID_NEMO_EXC_03: Closing and restarting of market or delivery area(s) or trading service

2. Procedure

2.1. General overview



For illustrative reasons hourly resolutions are shown in the figure.

Table 2 – The Distribution of allocation information process

#	Process	Timings	From	To	Tool	BACKUP	FALLBACK
1	Market Time Periods (MTPs) closed for trading	At gate closure time	-	-	XBID SOB	-	-
2	Aggregation of completed trades	ASAP	XBID SOB	XBID SM	XBID SOB, XBID SM	-	-
3	Creation of files to be transferred	-	-	-	XBID SM and CMM	-	-

#	Process	Timings	From	To	Tool	BACKUP	FALLBACK
4	Sending of allocation information	Received by TSO systems within 5 minutes after gate closure	XBID SM and CMM	TSO Post-Coupling System and/ or Shipping System and/ or CCP Clearing System	Regular communication channel	XBID_JOIN_T_BUP_02	
5	Acknowledgement for correct reception of the allocation information	Three minutes after step 4	TSO Post-Coupling System and/ or Shipping System and/ or CCP Clearing System	XBID SM and CMM	Regular communication channel	XBID_JOIN_T_BUP_02	
6	Validation of capacity and ramping constraints	At successful reception of allocation information			TSO Post-Coupling System	N.A.	XBID_JOINT_EXC_01

2.2. Process Clarification

1. Market Time Periods (MTPs) closed for trading

The first coming Market Time Period is closed for trading (open MTP) according to a predefined schedule. The trading for an open Market Time Period in the periodic interval closes a certain predefined time before the delivery of energy. As of this point in time (GCT), no further allocations –explicit or implicit – can be done for this Market Time Period.

2. Aggregation of completed trades

At a preset time, further denoted as “*Aggregation Time*”, the confirmed trades, which include the allocated flows, are aggregated and allocated capacities are finalized in the XBID System. For the MTP’s that have already been closed, no further trades can be executed for this MTP. For later MTP’s that are still open, this state represents an intermediate state (further trades can be executed at a later point in time).

This aggregation process needs to be synchronized for all borders and between explicit and implicit allocations to achieve a consistent state for all allocations in the XBID region.

#	Risk cases	Measures taken
1	CMM is down.	XBID_JOINT_BUP_02
2	SM is down.	XBID_JOINT_BUP_02

3. Creation of files to be transferred

Starting from the saved state at *Aggregation Finished Time*, the XBID System creates all files to be transferred.

4. Sending and receiving of allocation information

The files containing the predefined allocation information are sent from the XBID System to the TSOs' Post-Coupling Systems, the Shipping Systems and/or the CCP Clearing Systems.

This process potentially encompasses different data flows for TSOs:

Implicit allocations

- (13a) Implicit allocation results (Capacity rights)
- (13b) Scheduled Exchanges (XB nomination information)
- (13c) Shipper HUB nomination information
- (13d) Assigned transit HUB volumes on allocation path

Implicit and/or explicit allocations

- (14) Explicit Allocation results (capacity rights)
- (31) Netted Schedule File (NSF)
- (32) Total Allocation Results (TAR)
- (33) Reserved Capacity Allocation (RCA)
- (34) Capacity Rights (RID)
- (35) Net Position (NetP)
- (36) Implicit Allocation results (IAR)

In addition, the net XB allocation information is used to create the physical schedule on some interconnectors for some TSOs.

This process potentially encompasses three (3) different data flows for Shipping Agents, which corresponds to the same information as shown above for the TSOs and also includes financial information:

- 1) CCP-shipper clearing information for source and sink area
- 2) Shipper-shipper clearing information for each border on allocation path
- 3) Shipper-shipper clearing information for transit areas on allocation path

This process potentially encompasses one (1) data flow for CCP, which corresponds to the same information as shown above for the TSOs and also includes financial information:

- 1) CCP-shipper clearing information for source and sink area

Each TSO, Shipping Agent and CCP can select the data flows that it expects to receive. Only those files selected are being sent by the XBID System to that specific party.

Concerning the communication channel several options are possible. Here also, each TSO, Shipping Agent and CCP can select the regular communication channel to be used.

All ex-ante required information must be sent to the TSOs' Post-Coupling Systems, the Shipping Systems and/or the CCP Systems within 5 minutes after gate closure. Updates of the information can also be sent up to this deadline. In case multiple files are being sent of the same type, the file with the highest version number that is received before the nomination deadline and that is positively acknowledged is taken into account.

Due to high market activity there is a risk that the SM cannot deliver the information in due time (before GCT+ 0:05). Consequences of such delays are handled in local procedures.

Among the files sent, some might not be ex-ante required. For those, the mentioned deadlines do not apply. Deadlines are to be specified in Local Arrangements.

#	Risk cases	Measures taken
3	TSO Post-Coupling System or Shipping System or CCP Clearing System does not receive the Allocation information in time	XBID_JOINT_BUP_02
4	TSO Post-Coupling System or Shipping System or CCP Clearing System fails to integrate the Allocation information.	XBID_JOINT_BUP_02

5. Acknowledgement for the correct reception of the ex-ante information

All received information files must be acknowledged (positively or negatively) by the party on the receiving end. This acknowledgement should be sent within a predefined time period (depending on the communication channel) after reception of the concerned file.

#	Risk cases	Measures taken
5	XBID doesn't receive acknowledgement for Allocation Information.	XBID_JOINT_BUP_02
6	TSO Post-Coupling System or Shipping System or CCP Clearing System rejects the allocation information.	XBID_JOINT_BUP_02
7	TSO Post-Coupling System or Shipping System or CCP Clearing System sends a negative acknowledgement for allocation information.	XBID_JOINT_BUP_02

6. Validation of capacity and ramping constraints against allocation information (local procedure)

When allocation information is successfully received by the TSO Post Coupling System, the TSO will/can validate the allocation information against the given capacity and ramping constraints (local TSO procedure). The validation is done to check that the allocation process has handled the constraints given by the TSOs in a correct way. If the constraint is not respected there is an error in the allocation process, and the TSOs will get physical imbalances.

#	Risk cases	Measures taken
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8	Capacity and ramping constraints violated.	XBID_JOINT_EXC_01
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3. Final State

The procedure ends when all ex-ante required information is correctly received by the TSOs' Post-Coupling Systems, the Shipping Systems and the CCP Systems within the predefined time period. The procedure will be re-initiated right after the next MTP closing time.

Annex - Overview of files sent by each of the XBID Modules

Table A – Overview of files sent by each of the XBID Modules

File	Receiver	Module
[REDACTED]	CCPs Shipping Agents	Shipping Module
[REDACTED]	Shipping Agents	Shipping Module
[REDACTED]	Shipping Agents	Shipping Module
[REDACTED]	TSOs	Shipping Module
[REDACTED]	TSOs	Shipping Module
[REDACTED]	TSOs	Shipping Module
[REDACTED]	TSOs	Shipping Module
[REDACTED]	TSOs	Shipping Module
[REDACTED]	TSOs	CMM
[REDACTED]	TSOs	CMM
[REDACTED]	TSOs	CMM
[REDACTED]	TSOs	CMM
[REDACTED]	TSOs	CMM
[REDACTED]	TSOs	CMM

For TSOs the following applies:

In case the automatic resend (Shipping Module) does not solve the problem, the TSO operator can download the file manually from the XBID System (SM/ CMM), or the TSO operator can resend the file via the SM. The downloaded file should be integrated into the TSO Post-Coupling System following the local backup procedure.

In case the problem persists, the TSO operator has two options;

- immediately close the border (XBID_JOINT_EXC_01: Closing and re-opening of Interconnector(s)), or
- trigger an Incident Committee (XBID_JOINT_FAL_01: Incident Management)

For CCPs and Shipping Agents the following applies:

In case the automatic resend (Shipping Module) does not solve the problem, the CCP/ Shipping Agent operator can download the file manually from the XBID System (SM), or the CCP/ Shipping

Agent operator can resend the file via the SM. The downloaded file should be integrated into the CCP/ Shipping Agent local System following the local backup procedure.

In case the problem persists, the CCP/Shipping Agent operator has the following options;

- trigger an Incident Committee (XBID_JOINT_FAL_01: Incident Management)
- request the involved TSOs to immediately close the border (XBID_JOINT_EXC_01: Closing and re-opening of Interconnector(s))
-