

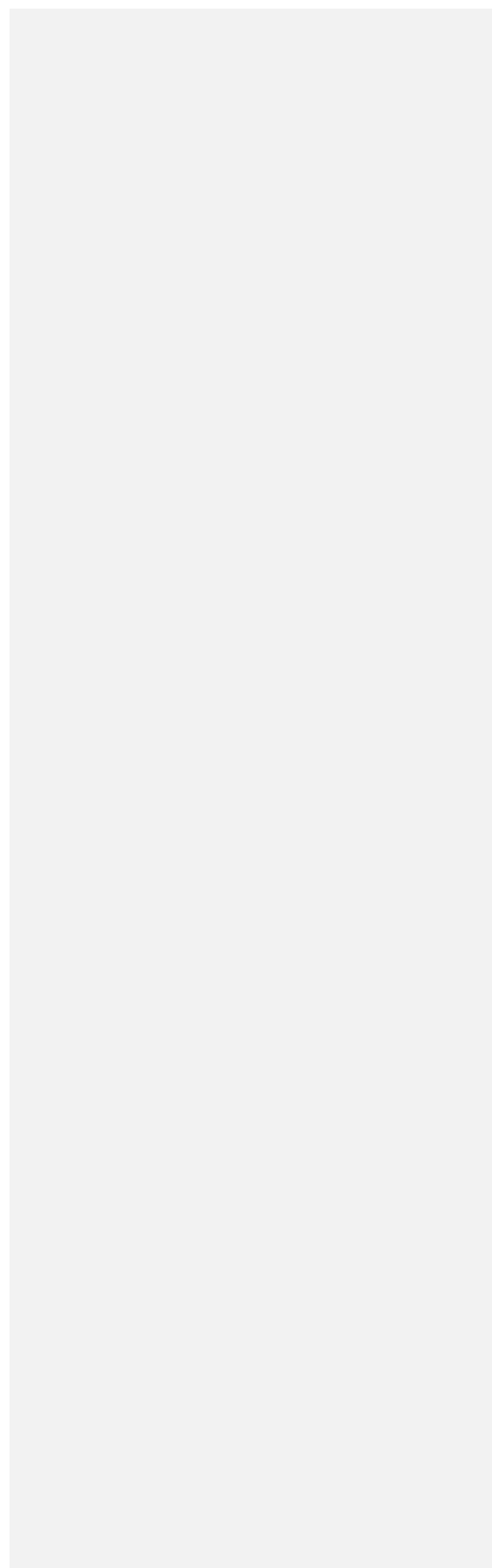
# **NTESMO B2B Procedure**

One way notification process

**PowerWater**

# Contents

<b>INTRODUCTION</b>	<b>4</b>
Purpose and Scope	4
Definitions and Interpretation	4
Related Documents	4
Guidance Notes	6
<b>BUSINESS PROCESS</b>	<b>7</b>
One Way Notification Types	7
Acknowledging One Way Notifications	8
<b>PROCESS DIAGRAMS AND TIMING REQUIREMENTS</b>	<b>9</b>
All Transactions	9
<b>TRANSACTIONS</b>	<b>10</b>
Not used in the NT Procedures	10
Transactions with aseXML	11
<b>BusinessAcceptance/Rejection Transaction Data</b>	<b>14</b>
Applicable events	0
<u>Tables</u>	
Table 1 Related Documents.....	4
Table 2 Guidance Notes.....	6
Table 3 Description of timing points A to D as shown in Figure 1: .....	9
Table 9 NotifiedParty field values.....	12
Table 10 NotificationStatus and RefTransaction field values.....	13
Table 11 BusinessAccept/Reject Codes for CSV Payload.....	14
Table 12 Business Reject – Event Block for CSV Payload .....	14
Table 13 BusinessAcceptance/Rejection data for XML Payload.....	14
Table 14 One Way Notification - Business Event Details.....	0
<b>FIGURES</b>	
Figure 1: Process and timing points for One Way Notifications	9



## Version Release History

Version	Date	Comments
1.0	2 October 2023	Draft NT procedure based on IEC version 3.8.

PREPARED BY:	NT Electricity System & Market Operator
VERSION:	1.0
EFFECTIVE DATE:	2 October 2023
STATUS:	<del>Initial</del> Draft
<b>Approved for distribution and use by:</b>	
APPROVED BY:	Michael Besselink
TITLE:	EGM Core Operations
DATE:	<del>129 September</del> 21 June 2022

Formatted: Font color: Background 1

# INTRODUCTION

## NOT USED IN NT PROCEDURES

### Purpose and Scope

- (a) ~~This B2B Procedure: One-Way Notification Process is published by NTESMO in accordance with clause 57A.1.3 of the NT NER.~~
- (b) ~~It details the processes and data requirements concerning the use of One-Way Notifications. It enables Participants to send information to each other regarding:~~
  - (i) ~~Not used in NT Procedures;~~
  - (ii) ~~Not used in NT Procedures;~~
  - (iii) ~~Not used in NT Procedures; and~~
  - (iv) ~~issuing a notification of a service order to a notified party.~~
- (c) ~~This Procedure has effect only for the purposes set out in the NT NER. The NT NER prevails over this procedure to the extent of any inconsistency.~~
- (d) ~~This procedure is used in the NT for the purposes of allowing notified party transactions and detailing the format for those transactions.~~

### Definitions and Interpretation

- (a) ~~The Communications Guideline:~~
  - (i) ~~is incorporated into and forms part of this Procedure; and~~
  - (ii) ~~should be read with this Procedure.~~
- (b) ~~In the event of any inconsistency between this Procedure and the B2B Procedure Technical Delivery Specification, unless this Procedure provides otherwise, the B2B Procedure Technical Delivery Specification shall prevail to the extent of the inconsistency.~~
- (c) ~~All times (related to the conduct of the work) refer to the local time for the Site (where the work requested is to be carried out). Local time is inclusive of daylight saving time changes.~~

~~The NT Procedures are based on the equivalent MSATS and B2B procedure documents from the National Electricity Market (NEM). To maintain document alignment where a section or element of the NEM MSATS and B2B procedures is not used in the NT procedures this has been replaced with the phrase "Not used in the NT Procedures" rather than that section or element be deleted from the NT Procedures.~~

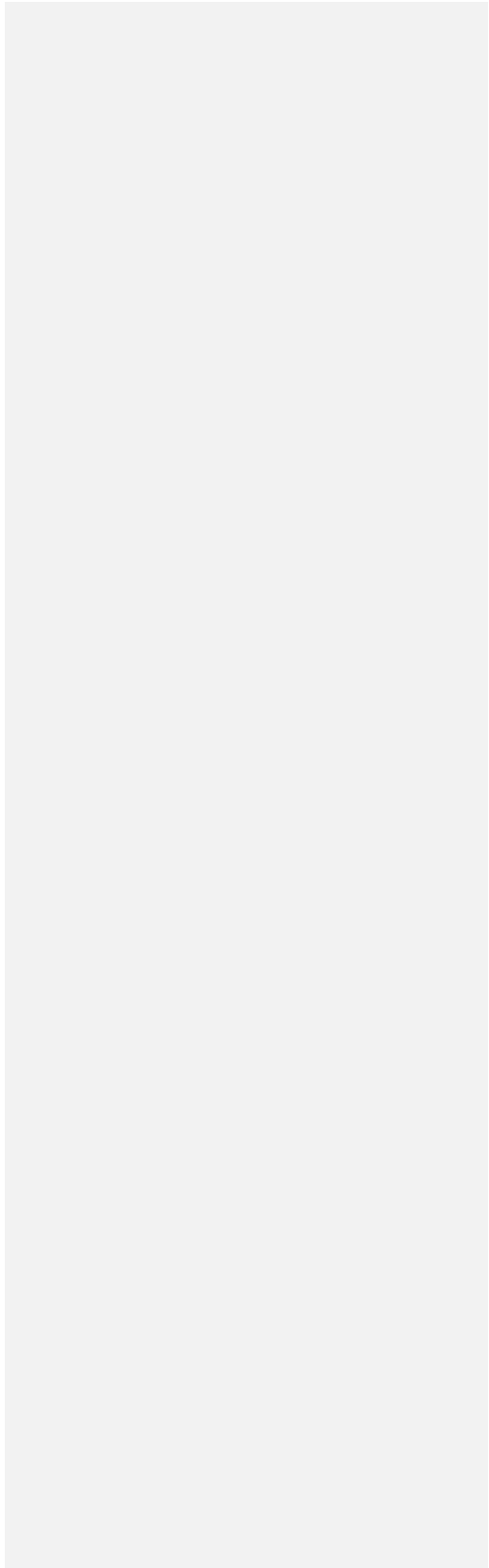
PowerWater

### Related Documents

Table 1 — Related Documents

Title	Location
Communications Guideline	TBA
B2B Procedure Technical Delivery Specification	TBA
B2B Procedure Service Order Process	TBA
B2B Procedure Meter Data Process	TBA

B2B Procedure Customer and Site Details- Notification Process	TBA
<b>Title</b>	<b>Location</b>
B2B Guide	TBA
MSATS procedures CATS Procedure Principles- and Obligations	TBA



## Guidance Notes

- (a) — This document contains Guidance Notes that provides the reader with a reference point where an obligation for services is provided for in the NTEM.
- (b) — A number of timing requirements that represent common industry practice have also been included. These timings are not associated with the communication of B2B transactions, do not have a head of power and are not enforceable.
- (c) — Guidance Notes are indicated by the use of [Guidance Note #] at the commencement of the clause in this procedure and highlighted in grey.
- (d) — The table below lists the document or documents for reference.

**Table 2 — Guidance Notes**

Reference	Document Name
[Guidance Note 1]	This is an accepted or common industry practice that does not reference a specific legal or jurisdictional requirement
[Guidance Note 4]	NT National Electricity Rules (NT NER)

## **~~BUSINESS PROCESS~~**

### **~~One Way Notification Types~~**

- ~~(a) — The One Way Notification process enables Participants to send information or messages to other Participants in a single transaction for one or more *MMs* via CSV or XML.~~

### **~~Notification with CSV Payload~~**

- ~~(a) — Not used in the NT Procedures~~

### **~~Transactions using XML~~**

- ~~(a) — Not used in the NT Procedures.~~
- ~~(b) — Not used in the NT Procedures~~
- ~~(c) — Not used in the NT Procedures~~
- ~~(d) — Notified Party — The Initiator may use this transaction for notifications of service order requests and responses to and from Notified Parties. For clarification on the use of this transaction, please refer to the B2B Procedure Service Order Process, Technical Delivery Specification and the B2B Guide.~~
- ~~(e) — Not used in the NT Procedures~~

## Acknowledging One-Way Notifications

- (a) Upon receipt of any One-Way Notification, a Recipient must return a Business Receipt to confirm the receipt of that One-Way Notification.
- (b) The Recipient must then send a Business Acceptance/Rejection to the Initiator as follows:
  - (i) A Business Acceptance/Rejection with Status of "Accept" is to be used to indicate acceptance of the B2B Transaction, including the format and content of the Business Document and that the entire file has been accepted.
  - (ii) A Business Acceptance/Rejection with Status of "Reject" is to be used to indicate rejection of the B2B Transaction, including the format of the Business Document and the business content.
  - (iii) If the file format is invalid, the Initiator must resolve the problem and send a new Business Document if appropriate.
  - (iv) See section 0 for Business Acceptance/Rejection format.



## PROCESS DIAGRAMS AND TIMING REQUIREMENTS

- (a) The transactions associated with this overall Procedure and the process and timing points are the same for each message type.
- (b) The below process and timing points only applies for the NotifiedParty transaction where the Initiator has elected to manage notifications to Notified Parties separately i.e. the NotifiedPartyID is not populated in the related ServiceOrderRequest.
- (c) If the NotifiedParty transaction is triggered by including the NotifiedPartyID in the ServiceOrderRequest, refer to the B2B Technical Delivery Specification and B2B Service Order Procedure for process and timings.

### All Transactions

Figure 1- Process and timing points for One Way Notifications

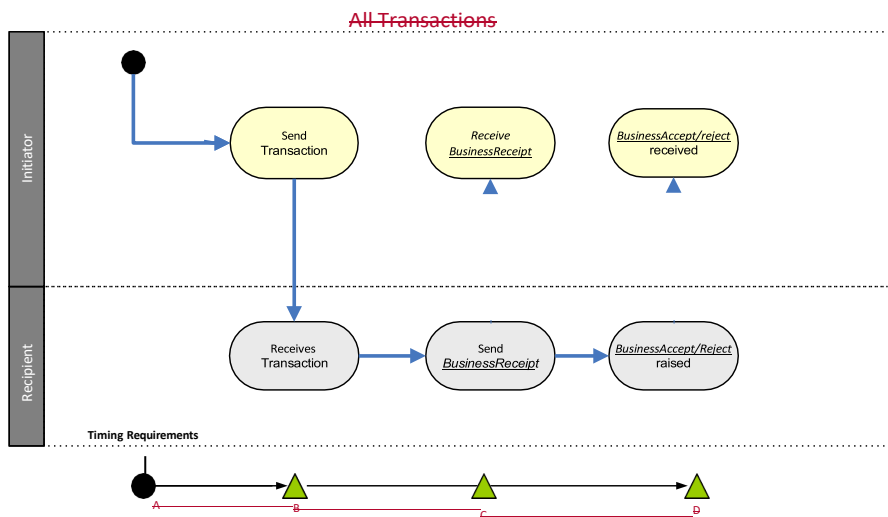


Table 3 — Description of timing points A to D as shown in Figure 1:-

Timing Point	Definition
A	This is the point when the Initiator determines they need to initiate a notification for a <u>connection point</u> or a set of <u>connection points</u> .
B	This is the point when the Initiator sends the relevant <u>OneWayNotification</u> transaction for a <u>NMI</u> or a set of <u>NMIs</u> to the Recipient.
C	This is the point when the Recipient sends the <u>BusinessReceipt</u> to the Initiator.
D	This is the point when the Recipient sends the <u>BusinessAcceptance/Rejection</u> to the Initiator.

- (a) When using these transactions they must be sent to enable affected parties to meet relevant regulatory obligations.

- (b) Not used in the NT Procedures
- (c) Not used in the NT Procedures
- (d) Not used in the NT Procedures

## TRANSACTIONS

### Key

~~M~~ — Mandatory (must be provided in all situations).

~~R~~ — Required (must be provided if this information is available or has changed).

~~O~~ — Optional (may be provided and should be used if provided).

~~N~~ — Not required (not required and may be ignored if provided).

### Not used in the NT Procedures

## Transactions with aseXML

### Transaction Details

(a) — The following transactions use aseXML:

- — Not used in the NT Procedures
- — Not used in the NT Procedures
- — Not used in the NT Procedures
- — Notified Party
- — Not used in the NT Procedures

#### Key

M — Mandatory (must be provided in all situations).

R — Required (must be provided if this information is available or has changed).

O — Optional (may be provided and should be used if provided).

N — Not required (not required and may be ignored if provided).

Not used in the NT Procedures

Not used in the NT Procedures

Not used in the NT Procedures

## NotifiedParty Transaction Data

### Key

**M** — Mandatory (must be provided in all situations).

**R** — Required (must be provided if this information is available or has changed).

**O** — Optional (may be provided and should be used if provided).

**N** — Not required (not required and may be ignored if provided).

**Table 9** — NotifiedParty field values

Field	Format	Use	Definition
InitiatorID	VARCHAR(10)	M	Initiator's Participant ID of the <u>ServiceOrderRequest</u> .
SORecipientID	VARCHAR(10)	M	Recipient's Participant ID of the <u>ServiceOrderRequest</u> .
NMI	CHAR(10)	M	NMI that the notification relates to.
NMIChecksum	CHAR(1)	O	NMI Checksum for the NMI.
ServiceOrderID	VARCHAR(15)	M	A defined reference, used for reference and tracking. Format must exactly match that used in the <u>ServiceOrderRequest</u> (including leading or trailing zeros and spaces).
ServiceOrderType	VARCHAR(22)	M	<u>ServiceOrderType</u> as specified in the <u>ServiceOrderRequest</u> ; the list of codes are specified in the B2B Procedure Service Order Process.
ServiceOrderSubType	VARCHAR(40)	M	<u>ServiceOrderSubType</u> as specified in the <u>ServiceOrderRequest</u> ; the list of codes are specified in the B2B Procedure Service Order Process.
ScheduledDate	DATE	M	<u>ScheduledDate</u> as specified in the <u>ServiceOrderRequest</u> .
ActualDateAndTime	DATETIME	R	<u>ActualDateAndTime</u> as specified in the <u>ServiceOrderResponse</u> .
NotificationStatus	VARCHAR(30)	M	Allowed values: <ul style="list-style-type: none"> <li>◆ SO Requested</li> <li>◆ SO Rejected</li> <li>◆ SO Completion</li> <li>◆ Accepted by Notified Party</li> <li>◆ Rejection by Notified Party</li> <li>◆ Notified Party Stopped</li> </ul>
RefTransaction	aseXML	M/N	Copy of the transaction the notification relates to. Depending on the <u>NotificationStatus</u> of the notification, the contents must be one of the following: <ul style="list-style-type: none"> <li>◆ <u>ServiceOrderRequest</u></li> <li>◆ <u>BusinessAcceptance/Rejection</u> (sent by the Recipient in response to the <u>ServiceOrderRequest</u>.)</li> <li>◆ <u>ServiceOrderResponse</u></li> <li>◆ <u>BusinessAcceptance</u> from Notified Party</li> <li>◆ <u>BusinessRejection</u> from incorrect Notified Party</li> </ul> Refer to the B2B Procedure Service Order Process for the transaction data definitions.

**Usage of NotificationStatus and RefTransaction**

(a) The table below details the usage of NotificationStatus value and RefTransaction contents in the NotifiedParty transaction. Refer to the B2B Procedure Service Order Process for Participant obligations.

**Table 10—NotificationStatus and RefTransaction field values**

Timing Point/Scenario	NotificationStatus	RefTransaction
1. a Recipient provides a positive <u>BusinessReceipt</u> for a <u>ServiceOrderRequest</u>	'SO-Requested'	<u>ServiceOrderRequest</u>
2. a Recipient provides a negative <u>BusinessAcceptance/Rejection</u> for a <u>ServiceOrderRequest</u>	'SO-Rejected'	<u>BusinessAcceptance/Rejection</u> (sent by the Recipient in response to the <u>ServiceOrderRequest</u> )
3. a <u>ServiceOrderResponse</u> is sent by the Recipient	'SO-Completion'	<u>ServiceOrderResponse</u>
4. a Notified Party has accepted a <u>NotifiedParty</u> transaction (and the Initiator has specified the Notified Party/s in the related <u>ServiceOrderRequest</u> ).	'Accepted by Notified Party'	<u>BusinessAcceptance</u> from Notified Party
Note: If managed by the e-Hub, Initiators have the ability to opt-in to receiving this status (off by default).		
Note: Where the Initiator has elected to manage notifications to Notified Parties separately, this <u>NotifiedParty</u> transaction is not applicable, as the normal acknowledgement patterns will apply (Notified Party will send the negative <u>BusinessAcceptance/Rejection</u> to the Initiator).		
5. a Notified Party has rejected a <u>NotifiedParty</u> transaction (and the Initiator has specified the Notified Party/s in the related <u>ServiceOrderRequest</u> ).	'Rejection by Notified Party'	<u>BusinessRejection</u> from incorrect Notified Party
Note: Where the Initiator has elected to manage notifications to Notified Parties separately, this <u>NotifiedParty</u> transaction is not applicable, as the normal acknowledgement patterns will apply (Notified Party will send the negative <u>BusinessAcceptance/Rejection</u> to the Initiator).		
6. a Notified Party has a stop file in place and the notification is unable to be delivered.	'Notified Party Stopped'	The corresponding <u>RefTransaction</u> contents for the notification that was undeliverable.
Note: Where the Initiator has elected to manage notifications to Notified Parties separately, this <u>NotifiedParty</u> transaction is not applicable, as the normal acknowledgement patterns will apply.		

**Not used in the NT Procedures**

## BusinessAcceptance/Rejection Transaction Data

### Key

M — Mandatory (must be provided in all situations).

R — Required (must be provided if this information is available or has changed).

O — Optional (may be provided and should be used if provided).

N — Not required (not required and may be ignored if provided).

- (a) — A Participant must ensure that a BusinessAcceptance/Rejection transaction has a Status field completed as follows;

**Table 11 — BusinessAccept/Reject Codes for CSV Payload**

Field	Format	Use	Definition
Status	Enumeration	M	Allowed values: <ul style="list-style-type: none"> <li>● Accept</li> <li>● Reject</li> </ul> A code to indicate the reason for the rejection. Applicable codes are in section 0.

- (b) — If the Status is not "Accept", a Participant must ensure that the following Event block is provided.

**Table 12 — Business Reject — Event Block for CSV Payload**

Field	Format	Use	Definition
EventCode	NUMERIC(4)	M	A code to indicate acceptance or the reason for the rejection refer Table 15.
KeyInfo	NUMERIC(15)	O/N	If this field is populated with a number, the number is the record number within the <u>NotificationDetail</u> that the event occurred. If the field is not populated, the EventCode refers to the aseXML transaction, not a specific line within the data.
Context	EventContext	O/N	The data element in the received Business Document that caused the event. For an error in the <u>NotificationDetail</u> (KeyInfo is populated) this will be a copy of the line where the event was found. Where the line is longer than the field size available, the field is to be fully populated starting from the first character of the line.
Explanation	Unlimited-Varchar	M/O	An explanation of the event. Mandatory where the business event requires an explanation.

**Table 13 — BusinessAcceptance/Rejection data for XML Payload**

Field	Format	Use	Definition
EventCode	NUMERIC(4)	M	A code to indicate acceptance or the reason for the rejection. Refer to section 0.
KeyInfo	VARCHAR(15)	M	In response to a <u>NotifiedParty</u> transaction, the <u>ServiceOrderID</u> that the notification relates to.
Context	EVENT-CONTEXT	O	The Data Element in the received Business Document (eg. <u>MeterSerialNumber</u> ) that causes the Event.
Explanation	UNLIMITED-VARCHAR	M/O	An explanation of the event. Must be provided where the Business Event requires an Explanation.

## Applicable events

(a) Participants must use the most relevant Business Event(s). Where multiple EventCodes are applicable, these may be provided.

**Table 14 – One-Way Notification – Business Event Details**

Business-Event	Explanation Required	Severity	CSV Payload	Planned- Interruption- Notification	Meter-Fault- And-Issue- Notification	Notice-Of Metering Works	Notifi- ed- Party	Shared-Fuse- Notification	Event Code	Relevant-Procedure-clause-or-Reference-Notes
Accept	No	Information	-	-	-	-	Y	-	0	Standard-aseXML-Code.
Data-Missing-Details-provided-in-explanation	Yes	Error	-	-	-	-	Y	-	201	Standard-aseXML-Code.  Used where data with a usage of required in the Procedure is missing.
Invalid-Data-Details-provided-in-explanation	Yes	Error	-	-	-	-	N	-	202	Standard-aseXML-Code.  Covers situations where the data used in individual or combinations of fields is invalid.
Data-format-is-invalid.	Yes	Error	-	-	-	-	N	-	2003	This event indicates that an error in the payload.
Recipient not responsible for the supplied NMI	No	Error	-	-	-	-	Y	-	1023	Standard-aseXML-Code.
Invalid-Meter-Readings—Removed-Meter	Yes	Error	-	-	-	-	N	-	2008	Covers situations where the data used in individual or combinations of fields is invalid.

