



# B2B PROCEDURE ONE WAY NOTIFICATION PROCESS

PREPARED BY: AEMO Markets  
VERSION: 3.0  
EFFECTIVE DATE: 1 December 2017  
STATUS: ~~DRAFT~~FINAL

**Approved for distribution and use by:**

APPROVED BY: Information Exchange Committee

SIGNED:

DATE: ~~6/12/2017~~6/12/2017



## VERSION RELEASE HISTORY

Version	Date	Author	Comments
2.0	13/11/2013	AEMO	Updated version numbers and release date to retain version numbering with other B2B Procedures.
2.1	15/05/2014	AEMO	Updated version numbers and release date to retain version numbering with other B2B Procedures.
2.2	21/11/2014	AEMO	Updated version numbers and release date to retain version numbering with other B2B Procedures.
3.0	<del>236/123/20162</del> <del>017</del>	AEMO	Updated following: <ul style="list-style-type: none"><li>• National Electricity Amendment (Expanding Competition in Metering and Related Services) Rule 2015 No. 12;</li><li>• National Electricity Amendment (Embedded Networks) Rule 2015 No. 15; and</li><li>• National Electricity Amendment (Updating the Electricity B2B Framework) Rule 2016 No. 6.</li></ul>

## CONTENTS

<b>1</b>	<b>INTRODUCTION</b>	<b>5</b>
1.1	Purpose and Scope	5
1.2	Definitions and Interpretation	5
1.3	Related Documents	5
1.4	Guidance Notes	7
<b>2</b>	<b>BUSINESS PROCESS</b>	<b>8</b>
2.1	One Way Notification Types	8
2.2	Acknowledging One Way Notifications	9
<b>3</b>	<b>PROCESS DIAGRAMS AND TIMING REQUIREMENTS</b>	<b>10</b>
3.1	All Transactions	10
<b>4</b>	<b>TRANSACTIONS</b>	<b>12</b>
4.1	Notifications with CSV Payloads	12
4.2	Transactions with aseXML	18
<b>5</b>	<b>BUSINESSACCEPTANCE/REJECTION TRANSACTION DATA</b>	<b>33</b>
5.1	Applicable events	34
<b>1</b>	<b>INTRODUCTION</b>	<b>4</b>
1.1	Purpose and Scope	4
1.2	Definitions and Interpretation	4
1.3	Related Documents	4
1.4	Guidance Notes	5
<b>2</b>	<b>BUSINESS PROCESS</b>	<b>6</b>
2.1	One Way Notification Types	6
2.2	Acknowledging One Way Notifications	7
<b>3</b>	<b>PROCESS DIAGRAMS AND TIMING REQUIREMENTS</b>	<b>8</b>
3.1	All Transactions	8
<b>4</b>	<b>TRANSACTIONS</b>	<b>9</b>
4.1	Notifications with CSV Payloads	9
4.2	Transactions with aseXML	13
<b>5</b>	<b>BUSINESSACCEPTANCE/REJECTION TRANSACTION DATA</b>	<b>22</b>
5.1	Applicable events	23

## TABLES

Table 1	Related Documents	5
Table 2	Guidance Notes	7
Table 3	Description of timing points A to D as shown in Figure 1	11
Table 4	OneWayNotification field values	12
Table 5	Meter Exchange Notification CSV field values	14

Formatted: Default Paragraph Font, Font: (Default) +Body (Arial), 9 pt

Formatted: Default Paragraph Font, Font: (Default) +Body (Arial), 9 pt

Formatted: Default Paragraph Font, Font: 9 pt

Formatted: Default Paragraph Font, Font: 9 pt

Formatted: Default Paragraph Font, Font: 9 pt

Formatted: Default Paragraph Font, Font: 9 pt

Formatted: Default Paragraph Font, Font: 9 pt

Formatted: Default Paragraph Font, Font: 9 pt

Formatted: Default Paragraph Font, Font: 9 pt

Formatted: Default Paragraph Font, Font: 9 pt

Formatted: Default Paragraph Font, Font: 9 pt

Formatted: Default Paragraph Font, Font: (Default) +Body (Arial), 9 pt

Formatted: Default Paragraph Font, Font: (Default) +Body (Arial), 9 pt

Formatted: Default Paragraph Font, Font: 9 pt

Formatted: Default Paragraph Font, Font: 9 pt

Formatted: Default Paragraph Font, Font: 9 pt

Formatted: Default Paragraph Font, Font: 9 pt

Formatted: Default Paragraph Font, Font: (Default) +Body (Arial), 9 pt

Formatted: Default Paragraph Font, Font: (Default) +Body (Arial), 9 pt

Formatted: Default Paragraph Font, Font: 9 pt

Formatted: Default Paragraph Font, Font: 9 pt

Formatted: Default Paragraph Font, Font: (Default) +Body (Arial), 9 pt

Formatted: Default Paragraph Font, Font: (Default) +Body (Arial), 9 pt

Formatted: Default Paragraph Font, Font: 9 pt

Formatted: Default Paragraph Font, Font: 9 pt

Formatted: Default Paragraph Font, Font: 9 pt

Formatted: Default Paragraph Font, Font: 9 pt

Formatted: Default Paragraph Font, Font: (Default) +Body (Arial), 9 pt

Formatted: Default Paragraph Font, Font: (Default) +Body (Arial), 9 pt

Formatted: Default Paragraph Font, Font: 9 pt

Formatted: Default Paragraph Font, Font: 9 pt

[illegible]

Figure 1: Process and timing *points* for OneWayNotifications ..... 10

## 1 INTRODUCTION

### 1.1 Purpose and Scope

- (a) This B2B Procedure: One Way Notification Process is published by AEMO in accordance with clause 7.17.3 of the 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) tariff changes;
  - (ii) *metering* changes;
  - (iii) planned interruptions; 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 NER. The NER and National Electricity Law prevail over this procedure to the extent of any inconsistency.

### 1.2 Definitions and Interpretation

- (a) The Retail Electricity Market Procedures – Glossary and Framework:
  - (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.
- (b)(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.

### 1.3 Related AEMO Documents

Table 1 Related Documents

Title	Location
Retail Electricity Market Procedures – Glossary and Framework	<a href="http://www.aemo.com.au/Electricity/National-Electricity-Market-NEM/Retail-and-metering/Glossary-and-Framework">http://www.aemo.com.au/Electricity/National-Electricity-Market-NEM/Retail-and-metering/Glossary-and-Framework</a>
B2B Procedure Technical Delivery Specification	<a href="http://www.aemo.com.au/Electricity/National-Electricity-Market-NEM/Retail-and-metering/Business-to-business-procedures">http://www.aemo.com.au/Electricity/National-Electricity-Market-NEM/Retail-and-metering/Business-to-business-procedures</a>
B2B Procedure Service Order Process	<a href="http://www.aemo.com.au/Electricity/National-Electricity-Market-NEM/Retail-and-metering/Business-to-business-procedures">http://www.aemo.com.au/Electricity/National-Electricity-Market-NEM/Retail-and-metering/Business-to-business-procedures</a>
B2B Procedure Meter Data Process	<a href="http://www.aemo.com.au/Electricity/National-Electricity-Market-NEM/Retail-and-metering/Business-to-business-procedures">http://www.aemo.com.au/Electricity/National-Electricity-Market-NEM/Retail-and-metering/Business-to-business-procedures</a>
B2B Procedure Customer and Site Details Notification Process	<a href="http://www.aemo.com.au/Electricity/National-Electricity-Market-NEM/Retail-and-metering/Business-to-business-procedures">http://www.aemo.com.au/Electricity/National-Electricity-Market-NEM/Retail-and-metering/Business-to-business-procedures</a>
Metrology Procedure: Part A	<a href="http://www.aemo.com.au/Electricity/National-Electricity-Market-NEM/Retail-and-metering">http://www.aemo.com.au/Electricity/National-Electricity-Market-NEM/Retail-and-metering</a>
B2B Guide	<a href="http://www.aemo.com.au/Electricity/National-Electricity-Market-NEM/Retail-and-metering/Business-to-business-procedures">http://www.aemo.com.au/Electricity/National-Electricity-Market-NEM/Retail-and-metering/Business-to-business-procedures</a>

Formatted: Hyperlink

Field Code Changed

Formatted: Hyperlink

Field Code Changed

Formatted: Hyperlink

Field Code Changed

Formatted: Hyperlink

Formatted: Hyperlink

Field Code Changed

Formatted: Hyperlink

Formatted: Hyperlink

Field Code Changed

Formatted: Hyperlink, Font:

Formatted: Hyperlink, Font:



Title	Location
MSATS procedures CATS Procedure Principles and Obligations	<a href="http://www.aemo.com.au/Electricity/National-Electricity-Market-NEM/Retail-and-metering/Market-Settlement-and-Transfer-Solutions">http://www.aemo.com.au/Electricity/National-Electricity-Market-NEM/Retail-and-metering/Market-Settlement-and-Transfer-Solutions</a>

Field Code Changed

Formatted: Hyperlink, Font:

Formatted: Hyperlink, Font:

#### 1.4 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 NEM.
- (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 2]	National Energy Retail Rules (NERR)
[Guidance Note 3]	Service Level Procedure Metering Data Provider Services
[Guidance Note 4]	National Electricity Rules (NER)
[Guidance Note 5]	Essential Services Commission (ESC) Electricity Distribution Code (Victoria)
[Guidance Note 6]	Service Level Procedure Metering Provider Services
[Guidance Note 7]	<a href="#">Victorian Electricity Distributors Service &amp; Installation Rules</a>
[Guidance Note 8]	<a href="#">SA Power Networks Service &amp; Installation Rules</a>
[Guidance Note 9]	<a href="#">Electricity Distribution Network Code (Queensland)</a>
[Guidance Note 10]	<a href="#">Metrology Procedure – Part A and Part B</a>
[Guidance Note 11]	<a href="#">Electricity Distribution Code (South Australia)</a>
[Guidance Note 12]	<a href="#">MSATS Procedures: CATS Procedure Principles and Obligations</a>

#### 1.5 Terminology

- (b) In this Procedure:
  - (i) A Participant refers to a party initiating or receiving a OneWayNotification transaction. A Participant may be any one of, LR, FRMP, ENM, MC, DNSP, MP, MDP or Third Party B2B Participant.
  - (ii) The term NotificationDetail is defined as the data payload. Some message types will have a unique NotificationDetail structure and content as defined in section 4 of this document.

#### 1.6 Use of aseXML

- (a) Participants must use the agreed industry standard of aseXML messaging to deliver transactions in accordance with this Procedure.
- (b) Participants must ensure that any NotificationDetail data provided complies with the specification contained in B2B Procedure Technical Delivery Specification Procedure.
- (c) NotificationDetail with xml content will follow standard aseXML Guidelines.

## 2 BUSINESS PROCESS

### 2.1 One Way Message Notification Types

- (a) ~~The One Way Notification process is a one-way message that~~ enables Participants to send information or messages to other Participants in a single transaction for one or more NMIs via CSV or XML:

~~in a single transaction for one or more NMIs when using a CSV Payload.~~

- (a) ~~Multiple transactions when using aseXML.~~

#### 2.1.1 Transactions Notifications with CSV Payload

- (a) Meter Exchange Notification (MXN) – The Initiator may use this message notification to provides selected information ~~from Initiator to a~~ Recipient for planned mass *meter* replacements.
- (b) Network Tariff Notification (NTN) – The Initiator may use this message notification allows an Initiator to inform ~~the a~~ Recipient of a proposed Network Tariff change.
- (c) ~~Planned Interruption Notification (PIN) – this message allows an Initiator to inform a Recipient of a planned interruption to supply at one or more sites.~~
- (d) ~~Meter Fault and Issue Notice (MFN) – this message allows an Initiator to send information relating to a meter fault or issue to a Recipient. This includes meter faults and meters that require changing the meter due to the meter not meeting Metrology requirements.~~

#### 2.1.2 Transactions with using XML Payload

- (a) PlannedInterruptionNotification – The Initiator may use this transaction allows an Initiator to inform a Recipient of a planned interruption to supply at a site.
- (b) MeterFaultandIssueNoticeNotification – The Initiator may use this transaction this transaction allows an Initiator to send information relating to a meter fault or issue to a Recipient. This includes *meter* faults and *meters* that require changes due to the *meter* not meeting Metrology requirements. The transaction includes optional fields to allow a non-regulated Metering Provider to propose the installation/replacement timing for the affected meters.
- (a)(c) NoticeOfMeteringWorks – The Initiator may use this transaction allows an Initiator to inform a Recipient of the completion of *meter* works (including *Network Devices*) at a Site.
- (b)(d) NotifiedParty – The Initiator may use this transaction is used 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.



## 2.2 Acknowledging One Way Notifications ~~transactions~~

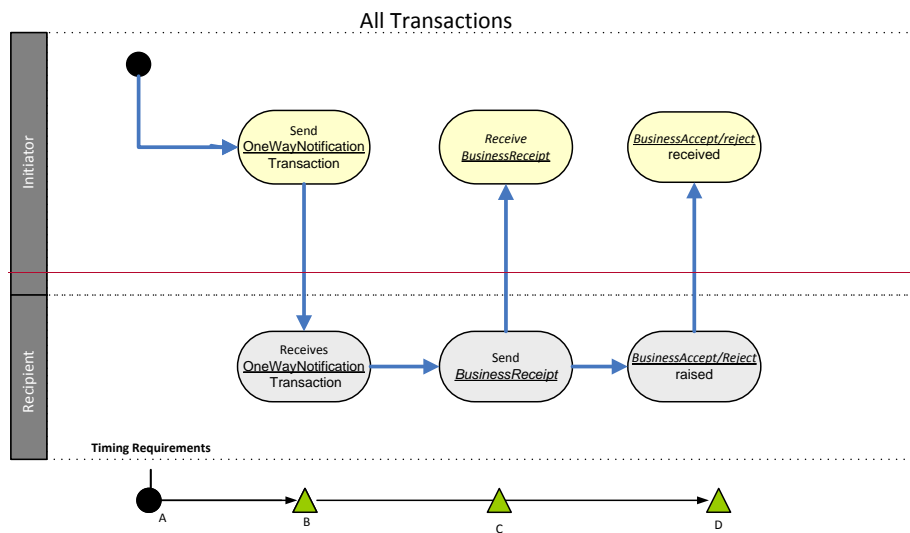
- (a) Upon receipt of ~~any~~ One-Way-Notification, a Recipient must return a BusinessReceipt to confirm the receipt of that One-Way-Notification.
- (b) The Recipient must then send a BusinessAcceptance/Rejection to the Initiator as follows:
  - (i) A BusinessAcceptance/Rejection with Status of "Accept" 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 BusinessAcceptance/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 ~~re~~send a new Business Document if appropriate.
  - (iv) See section 4.45 for BusinessAcceptance/Rejection format.

### 3 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*.
- (a)(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.

#### 3.1 All Transactions

Figure 1: Represents the process and timing points for One Way Notifications.



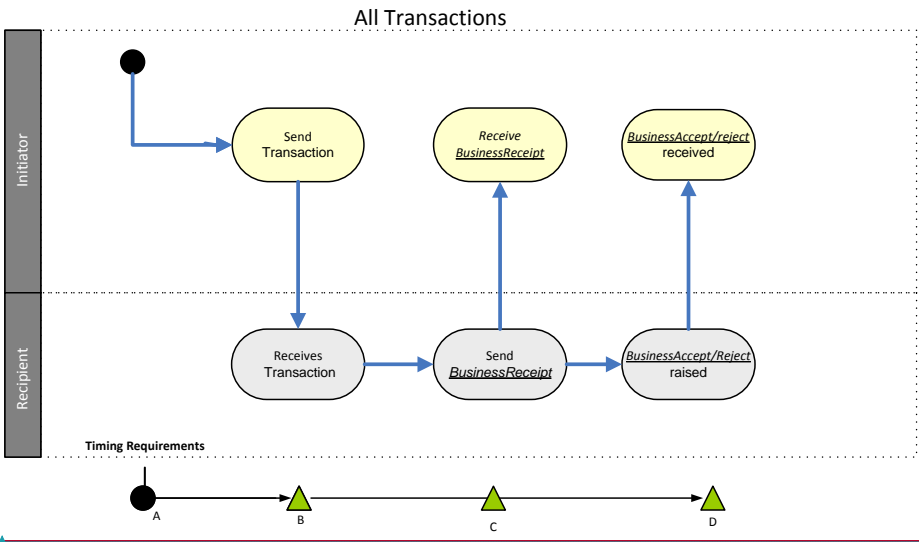


Table 2Table 3 Description of Timing points A to D described and used in Table 21 are as shown in Figure 1.

Timing Point	Definition
A	This is the point when the Initiator determines they need to initiate a notification for a <i>connection point</i> or a set of <i>connection points</i> .
B	This is the point when the Initiator sends the relevant <u>OneWayNotification</u> transaction for a <i>NMI</i> or a set of <i>NMIs</i> 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) [Guidance Note 2] Planned Interruption Notification must be sent at least 4 business days before the date of the expected interruption.
- (c) [Guidance Note 6] NoticeOfMeteringWorks must be sent within 2 business days of the work being completed.

Field Code Changed

## 4 TRANSACTION DATA

### 3.2

- (a) The One Way Notification transaction shall only contain a single NotificationDetail payload.
- (b) Participants must ensure that the One Way Notification conforms with the usage, format and definitional rules detailed in the Figure Table 23:

**Table 3 — One Way Notification field values**

Field	Format	Use	Definition
<u>InitiatorID</u>	<u>VarChar(10)</u>	<u>M</u>	Participant ID that initiates the OWNPN transaction
<u>RecipientID</u>	<u>VarChar(10)</u>	<u>M</u>	Participant ID to whom the data is being provided.
<u>TransactionGroup</u>	<u>VarChar(25)</u>	<u>M</u>	The OWNPN ( <u>OneWayNotificationPayload</u> ) is provided by the initiating participant. This indicates the type of Business Document.
<u>Priority</u>	<u>Enumerated Value</u>	<u>M</u>	Priority value for One Way Notification is "Low". Refer to B2B Technical Delivery Specification
<u>NotificationDetail</u>	<u>DATA</u>	<u>M</u>	Contains embedded data for a <u>OneWayNotification</u> . Each transaction can only carry one <u>NotificationDetail</u> payload type. Refer to Section 4.1 for details.

#### 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).

### 3.3.1 Notifications with CSV Payloads

#### 3.3.1.1 Notification Details

- (a) —
- (b)(a) There is a pre-defined CSVNotificationDetail for each of the following message types names associated with the One\_Way\_Notification process;
- (i) Meter\_Exchange\_Notification (MXN)
  - (ii) Network\_Tariff\_Notification (NTN)
  - (iii) Planned Interruption Notification (PIN)
  - (iv) Meter Fault and Issue Notice (MFN)

#### 4.1.2 Header Data

- (a) The OneWayNotification transaction must only contain a single CSVNotificationDetail payload.
- (b) Participants must ensure that the OneWayNotification conforms with the usage, format and definitional rules detailed in the Table 4:

**Table 4 — One-Way-Notification field values**

Field	Format	Use	Definition
<u>InitiatorID</u>	<u>VarChar(10)</u>	<u>M</u>	Participant ID that initiates the OWNPN transaction
<u>RecipientID</u>	<u>VarChar(10)</u>	<u>M</u>	Participant ID to whom the data is being provided.
<u>TransactionGroup</u>	<u>VarChar(25)</u>	<u>M</u>	The OWNPN ( <u>OneWayNotificationPayload</u> ) is provided by the initiating participant. This indicates the type of Business Document.
<u>Priority</u>	<u>Enumerated Value</u>	<u>M</u>	Priority value for One Way Notification is "Low". Refer to B2B Technical Delivery Specification



Field	Format	Use	Definition
<u>CSVNotificationDetail</u>	<u>DATA</u>	<u>M/N</u>	Contains embedded data for a OneWayNotification. Each transaction can only carry one <u>CSVNotificationDetail</u> payload type. Refer to 4.1.3 & 4.1.4 for details.

### 3.3.24.1.3 Meter Exchange Notification

(a) —

(b)(a) The Meter\_Exchange\_Notification message is defined as;

- (i) Message Type – Meter\_Exchange\_NotificationOneWayNotification
- (ii) Message Name – MXN

Table 4 Table 5 Meter\_Exchange\_Notification CSV field values

Column	Field	Format	Use	Definition
Column1	RECORDINDICATOR	CHAR(1)	M	Indicates the type of record, "I" for information which is the column headings for the <u>CSVNotificationDetail</u> data, and "D" which is the data for the matching heading.
Column2	RECORDNUMBER	VARCHAR(5)	M	Unique record identifier containing an incrementing row number for each record in the <u>CSVNotificationDetail</u>
Column3	MESSAGENAME	CHAR(3)	M	The Message Name for Meter Exchange Notification, it is always "MXN".
Column4	VERSION	CHAR(1)	M	Identifies the version of the <u>CSVNotificationDetail</u> content. For MXN this is "42".
Column5	NMI	CHAR(10)	M	NMI where the meter exchange is planned to occur.
Column6	NMICHECKSUM	CHAR(1)	M	NMI Checksum for the NMI.
Column7	METERSERIALNUMBER	VARCHAR(12)	MO/ N	The meter serial number uniquely identifies a meter for a given NMI. Meter Serial ID <u>Not Required if all current meters and devices are being exchanged</u>
Column8	NOTBEFOREDATE	DATE(8)	MO	The earliest date provided to the customer for the meter exchange. <u>Format: YYYYMMDD</u>
Column9	NOTAFTERDATE	DATE(8)	MO	The latest date provided to the customer for the meter exchange. <u>Format: YYYYMMDD</u>
Column10	NOTICEDATE	DATE(8)	MO	The date on the notice issued to the customer by the Initiator. <u>Note: This Date must be a minimum of four (4) days prior to the NOTBEFOREDATE.</u> <u>Format: YYYYMMDD</u>
Column11	STARTDATE	DATE(8)	MO	The proposed start date of the Meter Exchange by the Initiator. <u>Format YYYYMMDD</u>
Column12	STARTTIME	VARCHAR(4)	O	The time the Meter Exchange is proposed for that NMI. <u>Format HHMM</u>
Column13 2	ENDDATE	DATE(8)	O	This can be used where the Initiator wants to advise the Recipient that they have a program of works which may go over an extended period. <u>Format YYYYMMDD</u>
Column13	STARTTIME	VARCHAR(4)	M	The time the Meter Exchange is proposed for that NMI. <u>Format HHMM</u>
Column14	DURATION	VARCHAR(45)	MO	The duration of the Meter Exchange for that NMI <u>Format HH:MM</u>

(c)(b) Example of I & D indicator records for Meter\_Exchange\_Notification:



I,MESSAGENAME,RECORDNUMBER,MESSAGENAME,VERSION,NMI,NMICHECKSUM,METERSERIALNUMBER,N  
OTBEFOREDATE,NOTAFTERDATE,NOTICEDATE,STARTDATE,STARTTIME,ENDDATE,STARTTIME,DURATION  
D,1,MXN,21,1234567890,1,87654,20171201,20171222,20171120,20171213,1030,20171213,0  
100

### 3.3.34.1.4 Network Tariff Notification

(b)(a) The Network-Tariff-Notification ~~message~~ is defined as;

- (i) Message Type -- ~~Network-Tariff-Notification~~ OneWayNotification
- (ii) Message Name - NTN

(c)(b) The Initiator should use the ~~examples-allowable values~~ provided where these are applicable to the REASONFORCHANGE and only use 'Other' where none of the standard texts apply.

~~Table 5~~ **Table 6 Network-Tariff-Notification CSV field values**

Column	Field	Format	Use	Definition
Column1	RECORDINDICATOR	CHAR(1)	M	Indicates the type of record, "I" for information which is the column headings for the <u>CSVNotificationDetail</u> data, and "D" which is the data for the matching heading.
Column2	RECORDNUMBER	CHAR(5)	M	Unique record identifier containing an incrementing row number for each record in the <u>CSVNotificationDetail</u>
Column3	MESSAGE NAME	VARCHAR(3)	M	The Message Name for <u>Network-Tariff-Notification</u> is always "NTN".
Column4	VERSION	CHAR(1)	M	Identifies the version of the <u>CSVNotificationDetail</u> content. For NTN this is "42".
Column5	NMI	CHAR(10)	M	NMI where the network tariff change is proposed to occur.
Column6	NMICHECKSUM	CHAR(1)	M	NMI Checksum for the NMI.
Column7	METERSERIALNUMBER	VARCHAR(12)	M	Meter Serial ID
Column8	NMISUFFIX	CHAR(2)	M	As defined in the National Metering Identifier Procedure E.g. "11", "E1", "B1", "Q1", "K1".
Column9	NTPROPOSEDDATE	DATE(8)	M	The proposed date of the network tariff change by the Initiator. Format YYYYMMDD
Column10	NOTICEENDDATE	DATE(8)	R	The latest date the Initiator can effect a network tariff change without initiating a new Network Tariff Notification.  Where application of this procedure is mandatory this date must be provided.  Format YYYYMMDD
Column11	PROPOSED NTC	VARCHAR(10)	M	The new network tariff code being proposed for that NMISUFFIX/Register.
Column 12	REASONFORCHANGE	VARCHAR(50)	M	The reason for network tariff change. Allowable values: <ul style="list-style-type: none"> <li>• No Change</li> <li>• DNSP Review</li> <li>• Change of NMI Classification</li> <li>• Retailer/MC Meter Roll Out</li> <li>• Regulator Review</li> <li>• Cust Request</li> <li>• Other</li> </ul>
Column13	NOTES	VARCHAR(2400)	M/ N O	Free text Mandatory when REASONFORCHANGE 'Other' is used.

(d)(c) For each NMI included in a NTN, the Initiator must create individual data (D) records for all network tariffs that will be applicable to the NMI post the network tariff change in the CSVNotificationDetail payload, whether the network tariff is changing or not.

(e)(d) Example of I & D indicator records for Network-Tariff-Notification:-





I,RECORDNUMBER,MESSAGENAME,VERSION,NMI,NMICHECKSUM,METERSERIALNUMBER,NMISUFFIX,NTPROPOSEDDATE,NOTICEENDDATE,PROPOSEDNTC,REASONFORCHANGE

D,1,NTN,21,1234567890,1,87654,E1,20171201,20171220,B101,DNSP Review

D,2,NTN,21,1234567890,1,87654,E2,20171201,20171220,B102,DNSP Review

D,3,NTN,21,1234567890,1,87654,B1,20171201,20171220,NE113,No Change

## 4.2 Transactions with aseXML

### 4.2.1 Transaction Details

- (a) The Initiator should use the allowable values provided where these are applicable to the REASONFORINTER and only use 'Other' where none of the standard texts apply. There are four transactions that use aseXML:

- (i) PlannedInterruptionInterruptionNotification
- (ii) MeterFaultandIssueNotification
- (iii) NoticeofMeteringWorksNotification
- (iv) NotifiedParty

#### 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).

### 4.2.2 Planned-Interruption-Notification Data

#### **Planned Interruption Notification**

The Planned Interruption Notification message is defined as;

Message Type – Planned\_Interruption\_Notification

Message Name – PIN

- (a) The Initiator should use the **examples allowable values** provided where these are applicable to the REASONFORINTER and only use 'Other' where none of the standard texts apply.

**Table 7 Planned Interruption Notification field values**

Field	Format	Use	Definition
RECORDINDICATOR OR	CHAR(1)	M	Indicates the type of record, "I" for information which is the column headings for the <i>NotificationDetail</i> data, and "D" which is the data for the matching heading.
RECORDNUMBER	CHAR(5)	M	Unique record identifier containing an incrementing row number for each record in the <i>NotificationDetail</i>
MESSAGENAME	VARCHAR(3)	M	The Message Name for Planned Interruption Notification, is always "PIN".
VERSION	Char(1)	M	Identifies the version of the <i>NotificationDetail</i> content. For PIN this is "1".
NMI	Char(10)	M	NMI where the planned interruption to supply is proposed to occur.
NMIChecksum	Char(1)	M	NMI Checksum for the NMI.
StartDate	DATE(8)	M	The proposed start date of the planned interruption to supply by the Initiator. Format YYYYMMDD
StartTime	VARCHAR(4) TIME	M	The time the planned interruption to supply is proposed for that NMI.
EndDate	DATE(8)	O	This can be used where the Initiator wants to advise the Recipient that they have a program of works which may go over an extended period. Format YYYYMMDD
STARTTIME	VARCHAR(4)	M	The time the planned interruption to supply is proposed for that NMI. Format HHMM
Duration	VARCHAR(45) )	M	The duration of the planned interruption to supply for that NMI Format HH:MM
ReasonForInter	VARCHAR(50) )	M/O	The reason for planned interruption. Allowed values: <ul style="list-style-type: none"> <li>• Meter Exchange - Individual</li> <li>• Meter Exchange - Rollout</li> <li>• Meter Replacement – Family Maintenance</li> <li>• Meter Test</li> <li>• <u>Meter Fault Investigation</u></li> <li>• <u>Distribution Works</u></li> <li>• </li> <li>• Other</li> </ul>
Notes	VARCHAR(240)	M/O	Free text Mandatory when ReasonForInter 'Other' is used.

Formatted: Line spacing: 1.5 lines

(c) For each NMI included in a PIN, the Initiator must create an individual data (D) record.

Example of I & D indicator records for Planned Interruption Notification:

I,RECORDNUMBER,MESSAGE,NAME,VERSION,NMI,NMICHECKSUM,STARTDATE,  
ENDDATE,STARTTIME,DURATION,REASONFORINTER

D,1,PIN,1,1234567890,1,20171201,20171201,1400,0100,MeterExchange-Individual

D,2,PIN,1,1234567892,1,20171201,20171201,1000,0030,MeterExchange-Individual

D,3,PIN,1,1234567891,2,20171201,20171201,1500,0200,MeterExchange-Individual

### 3.3.44.2.3 Meter Fault and Issue Notification Data

(a) The Meter Fault and Issue Notification message is defined as;

Message Type — Meter\_Fault\_and\_Issue\_Notification

Message Name — MFN

(b)(a) The Initiator should use the examples allowable values provided where these are applicable to the REASONFORNOTICE and only use other where none of the standard texts apply.

(e)(b) [Guidance Note 1 and, Guidance Note 4] The Initiator may use this notification to notify the Recipient of a metering installation malfunction.

**Table 8 Meter Fault and Issue Notification field values**

Field	Format	Use	Definition
RECORD INDICATOR	CHAR(1)	M	Indicates the type of record, "I" for information which is the column headings for the NotificationDetail data, and "D" which is the data for the matching heading.
RECORD NUMBER	CHAR(4)		Unique record identifier containing an incrementing row number for each record in the NotificationDetail
MESSAGE NAME	VARCHAR(3)	M	The Message Name for Meter_Fault_and_Issue_Notification, is always "MFN".
VERSION	CHAR(1)	M	Identifies the version of the NotificationDetail content. For MFN this is "1".
NMI	CHAR(10)	M	NMI where the meter fault or issue has occurred.
NMIChecksum	CHAR(1)	M	NMI Checksum for the NMI.
Date	DATE(8)	M	The date of the meter fault or issue was identified by the Initiator. Format: YYYYMMDD
StartDate	DATE	O	Can be used by the Initiator to inform the recipient of an intended exchange date if the Initiator is intending to offer an meter exchange service.
StartTime	TIME	O	Can be used by the Initiator to inform the recipient of the intended exchange time window if the Initiator is intending to offer an meter exchange service
EndDate	DATE	O	Can be used by the Initiator to inform the recipient of the end of the proposes exchange window if the Initiator is intending to offer an meter exchange service.
Duration	VARCHAR(5)	O	The duration of the Meter Exchange for that NMI Format HH:MM
SupplyOn	CHAR(1)	M	An indicator as to whether supply is available at the Site. -Allowed values: • Yes or • No

Formatted: Line spacing: 1.5 lines, Bulleted + Level: 1 +  
Aligned at: 0 cm + Indent at: 0.63 cm



Field	Format	Use	Definition
SupplyOff	CHAR (3040)	M/N	An indicator to advise what method was used to de-energise the site. -Allowed values: <ul style="list-style-type: none"><li>• Remove Fuse</li><li>• Remote</li><li>• <del>Local Meter Disconnection</del>Main switch seal / Sticker</li><li>• <del>Meter Point Isolation</del></li><li>• <del> </del></li><li>• <del>Local Meter Disconnect</del></li><li>• <del>Pillar-Box Pit Or Pole-Top</del></li></ul> <del>MMeter tails</del> <del>Pillar-Box Pit Or Pole-Top</del> <del>Recipient Discretion</del> <del>Mandatory when SUPPLYON value is No</del>
MeterSerial Number	VARCHAR (12)	O	Meter Serial ID. <u>This field repeats to allow the reporting of multiple Meters.</u>

Formatted: Line spacing: 1.5 lines

Field	Format	Use	Definition
<i>ReasonForNotice</i>	VARCHAR(50)	M	<p>The reason for <i>meter</i> fault or issue.</p> <p>Allowed values:</p> <ul style="list-style-type: none"> <li><u>Meter Family Failure</u> – (Used when a <i>meter</i> family has been determined to no longer meet rule requirements/Australian Standards and must be replaced.)</li> <li><u>Accuracy Failure</u> (Used when a <i>meter</i> has been determined to be inaccurate and requires replacement.)</li> <li><u>Timeswitch/Controlled Load Failure</u> (Used when a timeswitch has failed and a Controlled Load is required.)</li> <li><u>Contactor Failure</u> (Used when a load contactor has failed and a Controlled Load is required.)</li> <li><u>No Display</u> (Used when a <i>meters</i> display is not operating correctly and the <i>meter</i> requires replacing.)</li> <li><u>Communication Failure</u> (The MP/MDP can't communicate with a remotely read <i>meter</i>.)</li> <li><u>Meter Verification</u> (Used where the DNSP has opened and resealed the <i>meter</i> seals and the Recipient may need to check the seals.)</li> <li><u>Malfunction</u> (Used when the <i>meter</i> has malfunctioned and must be replaced.)</li> <li><u>Area Event</u> (Used when an area has been affected by an event such as HV injection, fire, flood and the <i>meter</i> is likely to have failed.)</li> <li><u>Metrology Threshold Breach</u> (Used when a customers' consumption has breached a jurisdictional or <i>meter</i> capacity level.)</li> <li><u>Meter Bypassed</u> (Used where the <i>meter</i> has been bypassed enabling customers to remain on supply.)</li> <li><u>Physical Damage</u> (Used where the <i>meter</i> has been physically damaged and no longer functioning.)</li> <li><u>Theft/Tampering</u> (Used where theft of consumption has been identified and suspected tampering of <i>meter</i>.)</li> <li>Other:</li> </ul>
<i>Notes</i>	VARCHAR(2490)	M/O N	<p>Free text.</p> <p>Mandatory when <i>ReasonForNotice</i> Other is used.</p>

Formatted: Indent: Left: 0.63 cm

Formatted: Indent: Left: 0.63 cm

Formatted: Indent: Left: 0.63 cm

Formatted: Indent: Left: 0.63 cm

Formatted: Indent: Left: 0.63 cm

Formatted: Indent: Left: 0.63 cm

Formatted: Indent: Left: 0.63 cm

Formatted: Indent: Left: 0.63 cm

Formatted: Indent: Left: 0.63 cm

Formatted: Indent: Left: 0.63 cm

Formatted: Indent: Left: 0.63 cm

Formatted: Indent: Left: 0.63 cm

Formatted: Indent: Left: 0.63 cm

Formatted: Font: Not Bold, Italic

(d) For each *NMI* included in a *MFN*, the Initiator must create an individual data (D) record.

Example of I & D indicator records for Meter Fault and Issue Notification:

I,RECORDNUMBER,MESSAGE,NAME,VERSION,NMI,NMICHECKSUM,DATE,SUPPLYON,METER,SERIALNUMBER,REASONFORNOTICE

D,1,MFN,1,1234567890,1,20171201,Y,12345,MeterFamilyFailure

D,2,MFN,1,1234567891,1,20171201,Y,12346,MeterFamilyFailure



### ~~NoticeOfMeteringWorks Transaction Data~~

The ~~NoticeOfMetering Works~~ Notification message is defined as;

#### 3.3.54.2.4 ~~NoticeOfMeteringWorks Transaction Data~~ Transaction Type – ~~NoticeOfMeteringWorks~~

- (a) This transaction is designed to capture information required by the DNSP or other parties by agreement, from the field technician about the equipment added/removed on site, ~~that can be obtained by the field technician performing the work~~

#### 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 7~~ **Table 9** ~~NoticeOfMeteringWorks~~ field values

Field	Format	Use	Definition
<del>NormwID</del>	VARCHAR(12)	M	<del>Initiator defined reference, used for reference and tracking. Must be a new (unused) number, unique for the Initiator. Unique identifier for the Notice Of Metering Works.</del>
<del>NMI</del>	CHAR(10)	M	<del>NMI where the metering work has occurred.</del>
<del>NMIChecksum</del>	CHAR(1)	M	<del>NMI Checksum for the NMI.</del>
<del>Date</del>	DATE(8)	M	<del>The date the metering work was completed by the Initiator.</del>
<del>WorkType</del>	VARCHAR(50)	M	The type of metering work completed. Allowed values: <ul style="list-style-type: none"> <li>• <del>Exchange Equipment</del> (—Work where an existing equipment is replaced by another equipment.)</li> <li>• <del>Install Equipment</del> (—Work where an additional or new equipment is installed and existing meters are not <del>equipment removed</del>. Includes new sites.)</li> <li>• <del>Remove Equipment</del> (—Work where an existing equipment is removed and no new equipment is installed. May or may not result in LNSP making a NMI extinct.)</li> <li>• <del>Relocate</del> (—Work where the metering installation physically changes location.)</li> </ul>
<del>FieldWorkDateTime</del>	DATETIME(12)	M	<del>The date and time of when the field work was completed.</del>
<del>CustomerTypeCustomerClassificationCode</del>	VARCHAR(15)	M	Describes the type of customer <u>as per the NERR</u> of the metering installation. Allowed values: <ul style="list-style-type: none"> <li>• <del>Residential</del></li> <li>• <del>as per NERR definition</del></li> <li>• <del>Business</del> — as per NERR definition</li> </ul>

Formatted: Indent: Left: 0.63 cm

Formatted: Indent: Left: 0.63 cm

Formatted: Indent: Left: 0.63 cm

Formatted: Indent: Left: 0.63 cm

Formatted: Line spacing: 1.5 lines





Field	Format	Use	Definition
EnergisationStatus	VARCHAR (50)	M	<p>Describes the energisation status of the <i>metering installation</i> at the completion of the field work.</p> <p>Allowed values:</p> <ul style="list-style-type: none"> <li>• <u>Active</u> (<i>Metering installation is energised</i>)</li> <li>• <u>Not Connected</u> (<i>Metering installation is not connected to the <del>supply</del>connection point</i>)</li> <li>• <del>Metering installation is not connected to the network</del></li> <li>• <u>Deenergised Before Meter</u> (<i>Metering installation is energised up to an isolation point prior to the meter</i>)</li> <li>• <u>Deenergised At Meter</u> (<i>Metering installation is energised up to the meter</i>)</li> <li>• <u>Deenergised After Meter</u> (<i>Metering installation is energised. De-energisation is beyond the meter</i>) (<i>Metering installation is energised beyond the meter</i>)</li> </ul>
PrimaryVoltage	VARCHAR(68)	M	<p>Describes the <i>network</i> primary voltage the <i>metering installation</i> is connected to.</p> <p>Allowed values:</p> <ul style="list-style-type: none"> <li>• 230V</li> <li>• <u>415V400V</u></li> <li>• 11KV</li> <li>• 22KV</li> <li>• 33KV</li> <li>• 66KV</li> <li>• 132KV</li> <li>• Other HV</li> </ul>
Latitude	<u>NUMERIC</u> (s2.7) VARCHAR(11)	R	<p>The angular measurement North or South of the equator in decimal degrees (to 7 decimal places). Angles South of the equator will be represented as negative values. Eg -37.8886755</p> <p>An angular distance in degrees north or south of the equator (latitude 0°), equal to the angle subtended at the centre of the globe by the meridian between the equator and the <i>metering point</i> in question.</p> <p>Eg CDD MM.MMM N41 25.117</p> <p>Eg CDDD-MM.MM W120 58.292</p>
Longitude	<u>NUMERIC</u> (s3.7) VARCHAR(11)	R	<p>The angular measurement East or West of the prime meridian in decimal degrees (to 7 decimal places). Angles East of the Prime Meridian (eg Australia) will be represented as positive values. Eg +145.1410361</p> <p>A measure of relative position east or west on the Earth's surface, given in degrees from a certain meridian, usually the prime meridian at Greenwich, England, which has a longitude of 0°.</p> <p>Eg CDD-MM.MMM N41 25.117Eg CDDD-MM.MM W120 58.292</p>
ParticipantID	VARCHAR(10)	M	<p>The Participant ID of the Metering Provider (<u>MPB</u>) the work is performed for.</p>

Formatted: Indent: Left: 0.63 cm

Formatted: Indent: Left: 0.63 cm

Formatted: Indent: Left: 0.63 cm

Formatted: Indent: Left: 0.63 cm

Formatted: Indent: Left: 0.63 cm

Formatted: Line spacing: 1.5 lines



Field	Format	Use	Definition
TotalInstalledMeters	NUM(2)	<del>R</del> M	Number of new <i>meters</i> installed at the site.
MeterSerialNumber	VARCHAR(12)	M/ <del>N</del>	<p>Meter Serial ID -<del>Faceplate serial number of the completed meter(s) that have been installed. Must match the meter(s) number that will be/is populated in MSATS.</del></p> <p>This field repeats if more than one <i>meter</i> has been installed at the <u>completion of the field work</u>.</p> <p><del>This field is not required if a meter has not been installed same time.</del></p>
<del>SupplyPhases</del>	VARCHAR(20)	M/ <del>N</del>	<p>Describes the number of phases connected to the <i>meter</i>. -Allowed values:</p> <ul style="list-style-type: none"> <li><del>Single 1</del>-Phase</li> <li><del>Two 2</del>-Phase</li> <li><del>Three 3</del>-Phase</li> <li>Other Multi-Phase</li> </ul> <p>This field repeats for each <del>MeterSerialNumber</del>METERSERIALNUMBER.</p> <p><del>This field is not required if a meter has not been installed.</del></p>
GeneralSupply	VARCHAR(3)	M/ <del>N</del>	<p>The <i>meter</i> has a register measuring export energy and is not controlled by a network approved equipment.</p> <p>Allowed values:</p> <ul style="list-style-type: none"> <li>Yes</li> <li>No</li> </ul> <p>This field repeats for each <i>MeterSerialNumber</i>.</p> <p><del>This field is not required if a meter has not been installed.</del></p>
ControlledLoad	VARCHAR(3)	M/ <del>N</del>	<p>The <i>meter</i> has a register measuring export energy and is controlled by a network approved equipment configuration<del>ed</del> to align with the network's 1st controlled load offer.</p> <p>Allowed values:</p> <ul style="list-style-type: none"> <li>Yes</li> <li>No</li> </ul> <p>This field repeats for each <del>MeterSerialNumber</del>MeterSerialNUMBER.</p> <p><del>This field is not required if a meter has not been installed.</del></p>
GenerationType	VARCHAR(5)	M/ <del>N</del>	<p>Indicates whether the <i>meter</i> is configured to measure the import of <i>energy</i>.</p> <p>-Allowed values:</p> <ul style="list-style-type: none"> <li>Net</li> <li>Gross</li> <li>None</li> </ul> <p>This field repeats for each <i>MeterSerialNumber</i>.</p> <p><del>This field is not required if a meter has not been installed.</del></p>
TotalInstalledNetworkDevices	NUM(2)	<del>R</del> M	Number of new <i>network devices</i> installed at the site.
NetworkDeviceNumber	VARCHAR(12)	<del>R</del> M/ N	<p>Faceplate serial number of the <i>network device</i> that has been installed.</p> <p>This field repeats if more than one <i>network device</i> has been installed at the <u>completion of the field work same time</u>.</p> <p><del>This field is not required if a nNetwork dDevice has not been installed.</del></p>

Formatted: Line spacing: 1.5 lines

Formatted: Line spacing: 1.5 lines

Formatted: Line spacing: 1.5 lines

Formatted: Line spacing: 1.5 lines



Field	Format	Use	Definition
<i>NetworkDeviceLocation</i>	VARCHAR(14)	M/N	<p>Describes where the <i>network device</i> is located in relation to the meter. Allowed values:</p> <ul style="list-style-type: none"> <li>• <u>Before Meter</u> (—<i>Network device</i> is electrically connected before the <i>meter</i>)</li> <li>• <u>After Meter</u> (—<i>Network device</i> is electrically connected after the <i>meter</i>)</li> </ul> <p>This field repeats for each <i>NetworkDeviceNumber</i>NETWORKDEVICENUMBER.</p> <p>Mandatory for each <i>NetworkDeviceNumber</i>NETWORKDEVICENUMBER provided.</p> <p>This field repeats if more than one <i>network device</i> has been installed at the completion of the field work.</p>
<i>ControlEquipmentNumber</i>	VARCHAR(12)	R/N	<p>Faceplate serial number of the control equipment. If the control equipment is part of a <i>meter</i> then this should match the <i>MeterSerialNumber</i>Meter-Number.</p> <p>Required unless customer owned.</p> <p>This field repeats if more than one—<i>ControlEquipmentNumber</i>control equipment has been installed at the same timecompletion of the field work—.</p>
<i>ControlEquipmentType</i>	VARCHAR(25)	R/N	<p>Describes the type of control equipment that has been installed on behalf of the LNSP.</p> <p>Allowed values:</p> <ul style="list-style-type: none"> <li>• <u>Internal Relay</u> (—The load is controlled using a frequency controlled relay located inside the <i>meter</i>)</li> <li>• <u>External Relay</u> (—The load is controlled using a frequency controlled relay located outside the <i>meter</i>)</li> <li>• <u>Internal Time Switch</u> (—The load is controlled using a time switch located inside the <i>meter</i>)</li> <li>• <u>External Time Switch</u> (—The load is controlled using a time switch located outside the <i>meter</i>)</li> </ul> <p>This field repeats for each if more than one <i>ControlEquipmentNumber</i>CONTROLEQUIPMENTNUMBER has been installed at the completion of the field work—.</p> <p>Required for each <i>ControlEquipmentNumber</i>CONTROLEQUIPMENTNUMBER provided.</p>
<i>ControlChannel</i>	VARCHAR(12)	R/N	<p>Describes key settings of the control equipment. As defined by the network.</p> <p>This field repeats for each <i>ControlEquipmentNumber</i>CONTROLEQUIPMENTNUMBER.</p> <p>Required for each <i>ControlEquipmentNumber</i>CONTROLEQUIPMENTNUMBER provided.</p>

Formatted: Indent: Left: 0.63 cm

Formatted: Indent: Left: 0.63 cm

Formatted: Indent: Left: 0.63 cm

Formatted: Indent: Left: 0.63 cm

Formatted: Indent: Left: 0.63 cm

Formatted: Indent: Left: 0.63 cm



Field	Format	Use	Definition
<del>ControlConnectedMeterNumber</del>	VARCHAR(12)	R/N	<p><del>Faceplate serial-number</del><u>Meter Serial ID</u> of the <i>meter</i> connected to the control equipment.</p> <p>This field repeats for each <del>ControlEquipmentNumber</del><u>CONTROLEQUIPMENTNUMBER</u>.</p> <p>Required for each <del>ControlEquipmentNumber</del><u>CONTROLEQUIPMENTNUMBER</u> provided <u>if the control equipment is associated with a meter</u>.</p>
TransformerNumber	VARCHAR(12)	<del>R/M</del> N	<p>Faceplate serial number of the instrument <i>transformer</i> that has been installed.</p> <p>This field repeats if more than one <i>transformer</i> has been installed at the <u>completion of field work same time</u>.</p> <p><u>This field is not required if a <del>Transformer</del> has not been installed.</u></p>
TransformerType	VARCHAR(20)	<del>M/N</del> R	<p>Describes the type of instrument <i>transformer</i>.</p> <p>-Allowed values:</p> <ul style="list-style-type: none"> <li><u>CT</u> <del>(-An-e</del><u>Equipment used to transform current levels]</u></li> <li><u>VT</u> <del>(-An-e</del><u>Equipment used to transform voltage levels]</u></li> </ul> <p>This field repeats for each <i>TransformerNumber</i>.</p> <p><u>This field is not required if a <del>Transformer</del> has not been installed.</u></p>
TransformerRatio	VARCHAR(20)	<del>M/N</del> R	<p>Describes the instrument <i>transformer</i> connected ratio. E.g. 100/10.</p> <p><u>This field is not required if a <del>Transformer</del> has not been installed.</u></p>
TransformerConnectedMeterNumber	VARCHAR(12)	R	<p><del>Faceplate serial-number</del><u>Meter Serial ID</u> of the <i>meter</i> connected to the instrument <i>transformer</i>.</p> <p>This field repeats for each <i>TransformerNumber</i>.</p>
TotalRemovedMeters	NUM(22)	R	Number of existing <i>meters</i> removed from the site.
TotalRemovedOther	NUM(2)	R	Number of existing network or other devices removed from the site.
RemovedEquipmentNumber	VARCHAR(12)	<del>R/M</del> N	<p>Faceplate serial number of the removed equipment.</p> <p>This field repeats if more than one <i>meter</i> or <i>network device</i> or other equipment has been removed at the <u>completion of field work same time</u>.</p> <p><u>This field is not required when no <i>meter</i> has been removed or repurposed or equipment number cannot be identified.</u></p>

Formatted: Indent: Left: 0.63 cm

Formatted: Indent: Left: 0.63 cm

Formatted: Font: Italic



Field	Format	Use	Definition
<i>RemovedEquipmentType</i>	VARCHAR(25)	M/R N	<p>Describes the type of equipment that was removed.</p> <p>-Allowed values:</p> <ul style="list-style-type: none"> <li>Basic Meter (—A meter that is classified as a type 6 meter)</li> <li>Interval Meter (—A meter that is not classified as a type 6 meter)</li> <li>Network Device (—As per the NER)</li> <li>Control Equipment (—An equipment used to control the load)</li> <li>Instrument Transformer (—An equipment used to transform voltage or current levels)</li> </ul> <p>This field repeats for each <i>RemovedEquipmentNumber</i>.</p> <p>Mandatory for each <i>RemovedEquipmentNumber</i> provided.</p> <p><u>This field is not required when equipment has not been removed.</u></p>
<i>RemovedRegister</i>	VARCHAR(10)	M/N	<p>Register identifier of the removed basic meter. <u>Register reads to be recorded as displayed in the meter. The value must match MSATS.</u></p> <p>This field may repeat more than once for each <i>RemovedEquipmentNumber</i>.</p> <p>Mandatory if the <i>RemovedEquipmentType</i> is Basic Meter.</p>
<i>RemovedMeterReading</i>	VARCHAR(15)	M/R N	<p>Register read for the corresponding register. Values must include any leading zeros and trailing zeros as per the physical dial format. Values must be exclusive of meter multipliers.</p> <p>This field is <u>required-mandatory</u> for each <i>RemovedRegister</i>.</p> <p>Mandatory if the <i>RemovedEquipmentType</i> is Basic Meter <u>or</u> <u>Where a meter-Basic Meter is repurposed for the and left on-site, a meter reading must be provided.</u></p>
<i>Notes</i>	VARCHAR(240)	O	Free text.

Formatted: Indent: Left: 0.63 cm

Formatted: Indent: Left: 0.63 cm

Formatted: Indent: Left: 0.63 cm

Formatted: Indent: Left: 0.63 cm

Formatted: Indent: Left: 0.63 cm

#### 4.2.5 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 10** NotifiedParty field values

Field	Format	Use	Definition
<u>InitiatorID</u>	<u>VARCHAR(10)</u>	M	<u>Initiator's Participant ID of the ServiceOrderRequest.</u>
<u>SORecipientID</u>	<u>VARCHAR(10)</u>	M	<u>Recipient's Participant ID of the ServiceOrderRequest.</u>
<u>NMI</u>	<u>CHAR(10)</u>	M	<u>NMI that the notification relates to.</u>
<u>NMIChecksum</u>	<u>CHAR(1)</u>	O	<u>NMI Checksum for the NMI.</u>
<u>ServiceOrderID</u>	<u>VARCHAR(15)</u>	M	<u>A defined reference, used for reference and tracking.</u> <u>Format must exactly match that used in the ServiceOrderRequest (including leading or trailing zeros and spaces).</u>
<u>ServiceOrderType</u>	<u>VARCHAR(22)</u>	M	<u>ServiceOrderType as specified in the ServiceOrderRequest; the list of codes are specified in the B2B Procedure Service Order Process.</u>
<u>ServiceOrderSubType</u>	<u>VARCHAR(40)</u>	M	<u>ServiceOrderSubType as specified in the ServiceOrderRequest; the list of codes are specified in the B2B Procedure Service Order Process.</u>
<u>ScheduledDate</u>	<u>DATE</u>	M	<u>ScheduledDate as specified in the ServiceOrderRequest.</u>
<u>ActualDateAndTime</u>	<u>DATETIME</u>	R	<u>ActualDateAndTime as specified in the ServiceOrderResponse.</u>
<u>NotificationStatus</u>	<u>VARCHAR(30)</u>	M	<u>Allowed values:</u> <ul style="list-style-type: none"> <li><u>SO Requested</u></li> <li><u>SO Rejected</u></li> <li><u>SO Completion</u></li> <li><u>Accepted by Notified Party</u></li> <li><u>Rejection by Notified Party</u></li> <li><u>Notified Party Stopped</u></li> </ul>
<u>RefTransaction</u>	<u>aseXML</u>	M/N	<u>Copy of the transaction the notification relates to. Depending on the NotificationStatus of the notification, the contents must be one of the following:</u> <ul style="list-style-type: none"> <li><u>ServiceOrderRequest</u></li> <li><u>BusinessAcceptance/Rejection (sent by the Recipient in response to the ServiceOrderRequest)</u></li> <li><u>ServiceOrderResponse</u></li> <li><u>BusinessAcceptance from Notified Party</u></li> <li><u>BusinessRejection from incorrect Notified Party</u></li> <li><u>None (not required where NotificationStatus is 'Notified Party Stopped')</u></li> </ul> <u>Refer to the B2B Procedure Service Order Process for the transaction data definitions.</u>

### 3.3.5.1 —

### 3.3.5.2 —

#### 3.3.5.3.4.2.5.1 Usage of NotificationStatus and PayloadRefTransaction

- (a) The table below details the usage of *NotificationStatus* value and *PayloadRefTransaction* contents in the *NotifiedParty* transaction, ~~in relation to the timing points as specified in section 2.3 of Refer to the B2B Procedure Service Order Process for Participant obligations.~~

**Table 11** *NotificationStatus and RefTransaction field values*

Timing Point/Scenario	NotificationStatus	PayloadRefTransaction
1. a Recipient provides a positive <i>BusinessReceipt</i> for a <i>ServiceOrderRequest</i>	'SO <del>r</del> Requested'	<i>ServiceOrderRequest</i>
2. a Recipient provides a negative <i>BusinessAcceptance/Rejection</i> for a <i>ServiceOrderRequest</i>	'SO <del>r</del> Rejected'	<i>BusinessAcceptance/Rejection</i> (sent by the Recipient in response to the <i>ServiceOrderRequest</i> )
3. a <i>ServiceOrderResponse</i> is sent by the Recipient	'SO <del>e</del> Completion'	<i>ServiceOrderResponse</i>
4. a <i>Notified Party</i> has accepted a <i>NotifiedParty</i> transaction (and the Initiator has specified the <i>Notified Party</i> 's in the related <i>ServiceOrderRequest</i> ).  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 <i>Notified Parties</i> separately, this <i>NotifiedParty</i> transaction is not applicable, as the normal acknowledgement patterns will apply (Notified Party will send the negative <i>BusinessAcceptance/Rejection</i> to the Initiator)	'Accepted by <i>Notified Party</i> '	<i>BusinessAcceptance from Notified Party</i>
45. a <i>Notified Party</i> has rejected a <i>NotifiedParty</i> transaction (and the Initiator has specified the <i>Notified Party</i> 's in the related <i>ServiceOrderRequest</i> )  Note: Where the Initiator has elected to manage notifications to <i>Notified Parties</i> separately, this <i>NotifiedParty</i> transaction is not applicable, as the normal acknowledgement patterns will apply (Notified Party will send the negative <i>BusinessAcceptance/Rejection</i> to the Initiator)	'Rejection by <i>Notified Party</i> '	<i>BusinessRejection</i> from incorrect <i>Notified Party</i>
6. a <i>Notified Party</i> has a stop file in place and the notification is unable to be delivered.  Note: Where the Initiator has elected to manage notifications to <i>Notified Parties</i> separately, this <i>NotifiedParty</i> transaction is not applicable, as the normal acknowledgement patterns will apply.	' <i>Notified Party Stopped</i> '	<del>None</del> The corresponding <i>RefTransaction</i> contents for the notification that was undeliverable.

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);

Field	Format	Use	Definition
<u>InitiatorID</u>	VARCHAR(10)	M	Initiator's Participant ID of the <u>ServiceOrderRequest</u> .
<u>SORecipientID</u>	VARCHAR(10)	M	Recipient's Participant ID of the <u>ServiceOrderRequest</u> .
<u>NMI</u>	CHAR(10)	M	<u>NMI</u> that the notification relates to.
<u>NMISummary</u>	CHAR(1)	O	<u>NMI</u> Checksum for the <u>NMI</u> .
<u>ServiceOrderID</u>	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).
<u>ServiceOrderType</u>	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.
<u>ServiceOrderSubType</u>	VARCHAR(40)	M	<u>ServiceOrderType</u> as specified in the <u>ServiceOrderRequest</u> ; the list of codes are specified in the B2B Procedure Service Order Process.
<u>ScheduledDate</u>	DATE	M	<u>ScheduledDate</u> as specified in the <u>ServiceOrderRequest</u> .
<u>ActualDateAndTime</u>	DATETIME	R	<u>ActualDateAndTime</u> as specified in the <u>ServiceOrderResponse</u> .
<u>NotificationStatus</u>	VARCHAR(30)	M	Allowed values: <ul style="list-style-type: none"> <li>SO rRequested</li> <li>SO rRejected</li> <li>SO cCompletion</li> <li>Accepted by Notified Party</li> <li>Rejection by Notified Party</li> <li>Notified Party Stopped</li> </ul>
<u>Payload*RefTransaction</u>	aseXML	M/N	Copy of the transaction the notification relates to. Depending on the trigger of the notification, the 'payload' contents may 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> <li>None (not required where <u>NotificationStatus</u> is 'Notified Party Stopped')</li> </ul> Refer to the B2B Procedure Service Order Process for the transaction data definitions.

\* Payload: not an actual field; refers to the actual aseXML transaction of the 'copied' transaction



## 45 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 12 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 <a href="#">Figure Table 14 section 5.1</a>

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

**Table 13 Business Reject – Event Block for CSV Payload**

Field	Format	Use	Definition
EventCode	NUMERIC(4)	M	<del>A code to indicate acceptance or the reason for the rejection refer Table 15</del> <del>negative number. An event code of 2003.</del>
KeyInfo	NUMERIC(815)	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 14 BusinessAcceptance/Rejection data for NoticeOfMeteringWorks and NotifiedPartyXML Payload**

Field	Format	Use	Definition
EventCode	NUMERIC(4)	M	A code to indicate acceptance or the reason for the rejection. <u>Refer to section 5.1 refer Table 13.</u>
KeyInfo	VARCHAR(15)	M	In response to a <u>NoticeOfMeteringWorks</u> , the <del>NMI-NomwID</del> of the transaction being <u>accepted or rejected</u> . In response to a <u>NotifiedParty</u> transaction, the <u>ServiceOrderID</u> that the notification relates to. <u>In response to a PlannedInterruptionNotification or MeterFaultandIssueNotification, the NMI of the transaction being accepted or rejected.</u>
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.



#### 4.15.1 Applicable events:

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

**Table 15** 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 Notification	Notified Party	Event Code	Relevant Procedure clause or Reference Notes
Accept	No	Information	Y	Y	Y	Y	Y	0	Standard aseXML Code
Data Missing. Details provided in explanation	Yes	Error	Y	Y	Y	Y	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	Y	Y	Y	Y	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	Y	N	N	N	N	2003	This event indicates that an error in the payload
Recipient not responsible for the supplied NMI	No	Error	N	Y	Y	Y	Y	1923	Standard aseXML Code
Invalid Meter Readings – Removed Meter	Yes	Error	N	N	N	Y	N	#####TBC2008	Covers situations where the data used in individual or combinations of fields is invalid.