B2B PROCEDURE:
DATA POSTING PROCESS

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1 INTRODUCTION

1.1 Purpose and Scope

(a) This B2B Procedure: Data Posting 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 posting of data which only requires confirmation of the B2B e-Hub successfully receiving the data and does not require confirmation of the Recipient successfully receiving the data. It enables Participants to send information to each other regarding:

(i) Basic Power Quality Data

(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.

(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 Documents

Table 1 Related Documents

Title	Location
Basic Power Quality Data Procedure	TBC
Guide to The Role of the Metering Coordinator	https://www.aemo.com.au/-/media/files/electricity/nem/retail_and_metering/accreditation/guide-to-the-role-of-the-metering-coordinator-mc-v13.pdf?la=en
Retail Electricity Market Procedures – Glossary and Framework	http://www.aemo.com.au/Electricity/National-Electricity-Market-NEM/Retail-and-metering/Glossary-and-Framework
B2B Procedure Technical Delivery Specification	http://www.aemo.com.au/Electricity/National-Electricity-Market-NEM/Retail-and-metering/Business-to-business-procedures
B2B Guide	http://www.aemo.com.au/Electricity/National-Electricity-Market-NEM/Retail-and-metering/Business-to-business-procedures

1.4 Guidance Notes

(a) This document may contain Guidance Notes that provide 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]	Victorian Electricity Distributors Service & Installation Rules
[Guidance Note 8]	SA Power Networks Service & Installation Rules
[Guidance Note 9]	Electricity Distribution Network Code (Queensland)
[Guidance Note 10]	Metrology Procedure – Part A and Part B
[Guidance Note 11]	Electricity Distribution Code (South Australia)
[Guidance Note 12]	MSATS Procedures: Principles and Obligations for All Connection Points

2 BUSINESS PROCESS

2.1 Data Posting Types

The Data Posting process enables Participants to send information or messages to other Participants where the Initiator requires confirmation of successful delivery to the B2B e-Hub only and does not require the Recipient to confirm receipt of the message.

2.1.1 Data Posting Transactions

PowerQualityData – The Initiator may use this transaction to provide information related to Basic Power Quality Data.

2.2 Acknowledgement of Data Posting Transactions

(a) The Initiator of a Data Posting transaction can take the B2B e-Hub's positive receipt as successful delivery of the transaction.

(b) The Recipient of a Data Posting transaction must not send a *BusinessAcceptance/Rejection* to the Initiator.

(c) The Recipient should use the relevant contact point in the ROCL to engage the Initiator to resolve any issues which may occur with the Data Posting Transaction.

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.

3.1 All Transactions

Figure 1: Process and timing points for Data Posting transactions

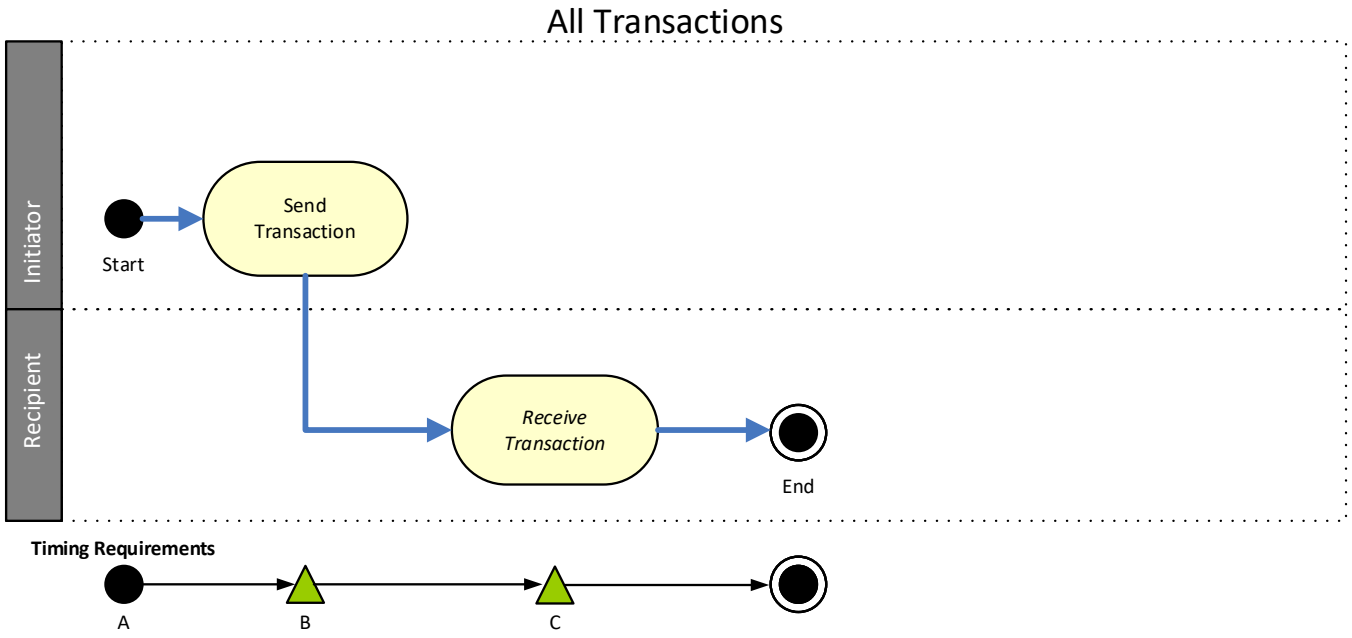

Table 3 Description of timing points A to C as shown in Figure 1: .

Timing Point	Definition
A	This is the point when the Initiator determines they need to initiate a Data Posting transaction
B	This is the point when the Initiator sends the relevant Data Posting transaction
C	This is the point when the Recipient receives the Data Posting transaction

4 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 by the Recipient if provided).
N = Not required (not required and may be ignored by the Recipient if provided).

4.1 PowerQualityData

(a) The Initiator should use the PowerQualityData transaction to communicate Basic Power Quality Data.

(b) The Initiator may provide all the Basic Power Quality Data for a NMI in multiple transactions.

Table 4 PowerQualityData field values

Field	Format	Use	Definition
NMI	CHAR(10)	M	*NMI* for which power quality data is being provided.
NMIChecksum	CHAR(1)	O	*NMI* Checksum for the NMI.
MeterSerialNumber	VARCHAR(12)	M	Meter Serial ID
IntervalLength	NUMERIC(4)	M	Time in seconds for the length of the interval period
RepeatingBlock1	BLOCK1	M	This is a repeatable block of fields for each unique *Time*. For the definition of BLOCK1 see table 5

Table 5 BLOCK1 definition

Field	Format	Use	Definition
Time	DATETIME	M	The date and time related to the Value field
RepeatingBlock2	BLOCK2	M	This is a repeatable block of fields for each *Type*. For the definition of BLOCK2 see Table 6

Table 6 BLOCK2 definition

Field	Format	Use	Definition
Type	VARCHAR(4)	M	Standard values: • A1 (Phase angle for the first element) • A2 (Phase angle for the second element) • A3 (Phase angle for the third element) • C1 (Current for the first element) • C2 (Current for the second element) • C3 (Current for the third element) • V1 (Voltage for the first element) • V2 (Voltage for the second element) • V3 (Voltage for the third element) Where element relates to the meter element
Value	Refer to Table 7	M	The value related to the *Type*. For further definition see Table 7

Table 7 Values definition

Type	Format	Definition
A1, A2 and A3	NUMERIC(s3.2)	Must be the instantaneous phase angle value. The unit must be in degrees. Allowable values must be between -180 and 180. The value may be truncated to meet the defined format.
C1, C2 and C3	NUMERIC(15.2)	Must be the instantaneous current value. The unit must be in amps. The value may be truncated to meet the defined format.
V1, V2 and V3	NUMERIC(15.2)	Must be the instantaneous voltage value. The unit must be in volts. The value may be truncated to meet the defined format.