

METERING COMPETITION  
EMBEDDED NETWORKS  
METER REPLACEMENT PROCESSES

PROCEDURE CONSULTATION

SECOND STAGE PARTICIPANT  
RESPONSE TEMPLATE

***Participant:*** Power and Water Corporation

***Completion Date:*** 21 July 2016

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## 1. Metrology Procedure: Part A

*Please delete any rows where there are no participant comments*

| Clause | Heading              | Participant Comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   |                             |
|--------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------------------------|
|        |                      | Metering Competition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Embedded Networks | Meter Replacement Processes |
| 3.1    | Overall requirements | <p>The Rules requires each component of the metering installation to be tested periodically, by replacing the word test to commission, may be misleading which implies that the overall error may be sufficient and there is no requirement for individual testing of each component. To ensure overall error requirments, the rules requires the algebraic sum of the error for each metering equipment. Therefore, recommend to following,</p> <p>MCs must ensure the components have been selected, properly installed and tested and commissioned</p> |                   |                             |

|      |                        |                                                                                                                                                                                                                                                                                                                                                                                            |  |  |
|------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
|      |                        | by the MPs so that the metering installation satisfies the relevant accuracy and performance requirements in the NER and this Procedure                                                                                                                                                                                                                                                    |  |  |
| 4.10 | Alarm Meters           | <p>The voltage variation is in accordance to Jurisdictional requirments. Although,</p> <p>the - 15% is the acceptable level, recommend, the generalise statement in event of the jurisdictional changes.</p> <p>Recommend the following:</p> <p>(e.g. for contestable customer supplies a Voltage variation required under the jurisdictional requirments of - <math>\pm 15\%</math>).</p> |  |  |
| 5.2  | Technical Requirements | <p>TI???</p> <p>Has this been defined?</p>                                                                                                                                                                                                                                                                                                                                                 |  |  |
| 7    | EMBEDDED NETWORKS      | The acronyms MC has been used earlier in the document and this has been changed to                                                                                                                                                                                                                                                                                                         |  |  |

|      |                                                                              |                                                                                                                                                                                                                                                                                                                                  |  |  |
|------|------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
|      |                                                                              | Metering Coordinator under the variation table.<br>Recommend to continue with MC in the whole of the document rather than changing it half way.                                                                                                                                                                                  |  |  |
| 9    | ROUTINE TESTING AND INSPECTION OF METERING INSTALLATIONS                     | Not all metering installations have VTs, therefore<br><br>a = error of VT and wiring (For HV installation)                                                                                                                                                                                                                       |  |  |
| 13.2 | Metering Data Collection                                                     | An MC? Grammar issue<br><br>Change to “The” MC or MC                                                                                                                                                                                                                                                                             |  |  |
| 13.5 | Verification of Metering Data for Type 4A, 5, 6 and 7 Metering Installations | Heading: The terms “direct connect” and “whole current” have been used interchangeably in the document, suggest consistency in the document with the use of one or other or alternatively, use a note at the start of the document which indicates that both means the same thing. Further suggest the use of the terminology in |  |  |

|      |                                  |                                                                                                     |  |  |
|------|----------------------------------|-----------------------------------------------------------------------------------------------------|--|--|
|      |                                  | other relavnt documents.                                                                            |  |  |
| 13.8 | AEMO's Metering Data Obligations | AEMO must prepare <u>an</u> NSLP by each – Wrong Grammer.<br><br>Either <u>a</u> NSLP or just NSLP. |  |  |

## 2. Service Level Procedures for MP

*Please delete any rows where there are no participant comments*

| Clause  | Heading                      | Participant Comments                                                                                                                                                                                                                                                                                    |                   |                             |
|---------|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------------------------|
|         |                              | Metering Competition                                                                                                                                                                                                                                                                                    | Embedded Networks | Meter Replacement Processes |
| 3.3 (b) | Management of test equipment | <p>Subject to clause 3.3 (c ), It must read</p> <p>“maintain records of test equipment including records of <b>NATA traceable calibration certificates</b>, for a period of 7 years from the issue date of the calibration certificate;</p>                                                             |                   |                             |
| 3.3 (c) | Management of test equipment | <p>The proposed requirement is in direct contradiction of the S7.2.3 (b)(5) of the NER. The NER requires the “all <u>reference/calibration</u> equipment for the purpose of meeting test or inspection obligations must be tested to ensure full traceability to test certificates issued by a NATA</p> |                   |                             |

|           |                                       |                                                                                                                                                                                                                                                                                                                       |  |  |
|-----------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
|           |                                       | accredited body or a body recognised by NATA under the International Laboratory Accreditation Corporation (ILAC) mutual recognition scheme and documentation of the traceability must be provided to AEMO on request.                                                                                                 |  |  |
| 4.1(m)    |                                       | Suggest to remove this. The Table S7.4.3.1 of the NER clearly states that all the setting in reference to EST. Unnecessary duplication of the NER requirements.                                                                                                                                                       |  |  |
| 4.2 (iii) | Metering Data Validation Requirements | <p>AS each procedures is subject to change, Suggest to remove all references to other documents from SLP.</p> <p>Propose the followings</p> <p>for whole current small customer metering installations , metering data is Validated in accordance with <del>section 13.5 of</del> the Metrology Procedure: Part A</p> |  |  |

|        |                                                  |                                                                                             |  |  |
|--------|--------------------------------------------------|---------------------------------------------------------------------------------------------|--|--|
| 4.2(b) | Metering Data Validation Requirements            | See above comment                                                                           |  |  |
| 5      | Metering installation maintenance                |                                                                                             |  |  |
| 5.2    | Management of Metering Installation Malfunctions | Suggest in removing references to the cluses of the rules for ease of the future amendment. |  |  |
| 6.1    | Metering Register                                | Suggest in removing references to the cluses of the rules for ease of the future amendment. |  |  |