



Horizon Power Report on Amendments to the Metrology Procedure

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PURPOSE

In April 2017, Horizon Power submitted a revised metrology procedure to Economic Regulation Authority, ERA, for approval. The purpose of this document is to set out the changes made in new Meteorology Procedure to assist key stakeholder and the ERA understand why the changes are necessary and how the amendments meet the requirements of the Metering Code

The revision has been undertaken to ensure the Procedure covers the circumstances in which Horizon power operates and having particular regard for the Advanced Meter Infrastructure, AMI, recently rolled out in the Horizon Power service area.

CHANGES

The revised procedure continues to substantially reflect the original Western Australian Energy Market Metrology Procedure approved and published by the ERA in 2006. Many of the changes made improve the flow of the document, remove duplication and requirements that are not part of a metering installation and to simplify the document

The changes reflected in the revised procedure are described in the table below.

Clause Number	Changes	Reasoning
1.1 Introduction	Horizon Power is used rather than Western Australian	Horizon Power operates in a markedly different environment and is not a member of the Western Australian market, nor do the market rules apply to HP.
1.2 Purpose	Re-written	Simplified
1.3 Scope	Simplified and removed the word "Provide"	Because the word is actually in the clause header and is not required in the clauses d) and g).
1.3.2, 1.3.3	Clauses amalgamated	
1.3.3	New Clause	Enables HP to install meters that may have enhanced technology features that are not required in a particular meters type, as long as the meters remain compliant with the metering code.
1.3.4	Explanation Is deleted	The Metering Code, The Code, requires the Network Operator to install meters that meet the requirements of the code. The explanation is therefore not required in the Metrology Procedure. The Horizon Power "approved" meters are described in the Western Australian Distribution Connections Manual, WADCM, available on the Horizon Power Internet.
1.4	Reference clause deleted, commencement date included.	The reference clause added no value to the document and was deleted. The commencement clause was brought further to the front of the document
1.5 Definitions	Section 4 removed and Clause 1.5 becomes a full definitions clause.	<p>"Access Code" – removed as it does not apply to HP's Licensed area</p> <p>"Account Manager" – Not applicable, NA, to HP</p> <p>"Application and Queuing Policy" – NA to HP</p> <p>"Associate" – NA to HP</p> <p>"Business Hours" – has been added to define the business</p>

Clause Number	Changes	Reasoning
		<p>hours in which HP operates</p> <p>“Code” – Metering Code 2005 changed to 2012</p> <p>“Code Participant” – definition has been added</p> <p>“Connect” – removed, not a part of the metrology procedure</p> <p>“Contact details” – NA to HP</p> <p>“Covered Network” – NA to HP’s Licenced area</p> <p>“Customer Transfer Code”- removed, not a part of the metrology procedure. Requirements for the Transfer code are covered in the Metering code.</p> <p>“Data logger overflow” – NA to HP</p> <p>“Day” – removed because any specified day period of a customer can be met</p> <p>“Dispute” – deleted, exists in the code, is not part of a metering installation.</p> <p>“Distribution connection” – deleted, covered under “connection point”</p> <p>“Electric” - changed to Electricity in line the Act</p> <p>“Electricity Networks Corp” – deleted, NA to HP</p> <p>“Estimated energy data” – Covered in “Estimate”</p> <p>“Generation Plant” – NA metrology procedure, simply a connection point</p> <p>“Horizon Power” – added</p> <p>“Historical energy data” – NA to the Metrology Procedure.</p> <p>“Incoming retailer” – NA to HP</p> <p>“ISO” – added</p> <p>“Maintain”- NA, described in Code</p> <p>“Life support equip” – NA to the Metrology Procedure</p> <p>“Market Customer” – NA to HP</p> <p>“Market Generator” – NA to HP</p> <p>“Market Rules” – NA to HP</p>
<p>1.5 Definitions (Continued)</p>	<p>Section 4 removed and Clause 1.5 becomes a full definitions clause.</p>	<p>“Metering data agent” – NA to HP</p> <p>“Metering Management Plan” – Deleted, is adequately described in the metering Code and the Australian Standard to which the code refers</p> <p>“Metering data alarms and Data Statuses” – added</p>

Clause Number	Changes	Reasoning
		<p>“Metering protocol” – NA to HP</p> <p>“Metering Service Order’ – NA to Metrology procedure</p> <p>“Metrology Coordinator’ – NA to HP</p> <p>“Metropolitan area” – NA to Metrology Procedure</p> <p>“Model service level agreement”- NA to HP</p> <p>“Network Operator” – NA to Metrology Procedure</p> <p>“Operational data” – NA to Metrology Procedure</p> <p>“Related body corporate” – NA to Metrology Procedure</p> <p>“Retailer’ – NA to Metrology Procedure</p> <p>“Transmission Connection” - added</p>
Clause 1.6	deleted	The interpretation applies to the code, not a procedure
1.7	Deleted	Now 1.4
1.8	Amalgamated into 2.0	
2.0	Re-written	Clause has been re-written for simplicity and clarification, requirements of the code removed, and replaced with statements regarding HP's compliance to the code
3.0	Renamed to Energy Data	Responsibility is described in the acts and codes.
3.1 to 3.3.6	Simplified and clarified	Results focussed – describes what HP will do
3.3.7	Deleted	NA to HP
3.4	Validation and substitution have been separated	<p>New Clause 3.4 = Validation covers all aspects of previous clause</p> <p>New Clause 3.5 = Substitution covers all aspects of previous clause</p>
3.6	Deleted	Covered in the code and does not relate to a metrology procedure
3.6	Added	Calculation of energy data for a type 7 installation
3.7	Renamed	From information to “Access to Energy data” and clarified
3.8	Renamed	From Validation to “Data Quality” and Clarified
3.9	Deleted	Testing added under Data quality 4.2 and rewritten for clarity
4.0	Simplified and clarified	Results focussed – describes what HP will do and references to the market have been removed

Clause Number	Changes	Reasoning
Tables	Simplified and Clarified	All information and detail has remained unchanged, only rewording for clarity.