
SWIS COMMUNICATION RULES



November 2013

DM#10299550

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Document release information

Document number	DM#10299550
Document title	SWIS COMMUNICATION RULES
Revision status	November 2013

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Amended November 2013 to comply with the Electricity Industry (Metering) Code 2012

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PART 1 – PRELIMINARY

1.1 Commencement

These rules are provided in accordance with Part 6 of the *Metering Code* and Part 5 of the *Customer Transfer Code* here after collectively referred to as the Codes.

Division 6.21 of the *Metering Code* details transitional requirements for grandfathering SWIS communications following the update from the *Previous Metering Code*.

These rules have been updated in accordance with division 6.21 of the *Metering Code*.

1.2 Application

These rules apply to *Code participants* as defined in the *Metering Code* and also include *registered retailers* as defined in the *Customer Transfer Code*.

1.3 Definitions

Definitions to be applied to these rules are:

Authority means the Economic Regulation Authority.

Build Pack is defined in clause 4.1 of these rules and is as defined in clause 6.21(1) of the *Metering Code*.

“CSV” means the acronym for comma-separated values, another name for the comma delimited format of data representation.

“Customer Transfer Code” means Electricity Industry Customer Transfer Code 2004

“FTP” means acronym for file transfer protocol. FTP is used to upload file to server, and download files from a server, using the internet.

“HTTP” means acronym for hypertext transfer protocol. HTTP is the underlying protocol used to describe the formatting and transmission of messages across the internet.

“SMTP” means acronym for simple mail transfer protocol. It is the protocol used to send e-mail messages across the internet, from one server to another.

Metering Code means the Electricity Industry Metering Code 2012

“NEM12” means the metering data file format used by the National Electricity Market, for the transfer of interval metering data.

“NEM13” means the metering data file format used by the National Electricity Market, for the transfer of basic metering data.

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Previous Metering Code means the Electricity Industry Metering Code 2005

“Usage Guidelines” is a document that forms the first part of the *Previous Build Pack*. The *Usage Guidelines* specifies the contents of the *Previous Build Pack* and provides an overview of each of the constituent parts of the *Build Pack*.

“XML” means Extensible Market Language

Unless the contrary intention is apparent, a term with a defined meaning in the Codes has the same meaning in these rules.

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PART 2 – OBJECTIVES

2.1 Objectives

The objectives of these rules are to:

- (a) establish the methods and protocols framework through which the communication of information and data between the *network operator* and a *Code participant*, as required by, and in accordance with, the Codes, will occur;
- (b) enable means of communication that are cost effective, feasible and practicable to the network operator and all *Code participants*; and
- (c) provide certainty as to the method of communication to the *network operator* and all *Code participants*; and
- (d) provide sufficient flexibility to allow progressive improvement to the communication protocols and to react to changes in a dynamic and evolving market.

PART 3 – METHODS AND PROTOCOLS

3.1 Methods

There are three methods that can be used by the *network operator* and a *code participant* to exchange or provide information and data as required under the Codes. These methods are:

- (a) by way of the network operator's Metering Service Centre; and
- (b) by way of XML based, electronic business-to-business transactions.
- (c) by manual transactions, such as those used to support bulk transactions.

{Note: automated business-to-business transactions by way of XML, will not be available until the *network operator's* information systems can accommodate them}

3.2 Protocols

In order to use the above methods of communication, the network operator and a *Code participant* require, dependent on the method used, the following protocols:

- (a) *HTTP*, and/or its derivatives, and an appropriate browser, for the web portal;
- (b) *SMTP* for email communications;
- (c) *XML*, *CSV* and *FTP*, and/or their derivatives, for business to business transactions;
- (d) *NEM12* and *NEM13* file formats, for historical consumption data, the formats for which are defined in the *Build Pack*.

3.3 Validation

Methods and processes for all levels of communications validation are detailed in the *Build Pack*.

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3.4 Registry data updates

The registry of the metering database will be updated by the network operator. The triggers, processes and procedures for updating the registry will be provided in the *Build Pack*.

3.5 Data Requests

Data may be requested by Code participants in accordance with the Codes. Specifics of transactions will be detailed in the *Build Pack*.

PART 4 – DOCUMENTS UNDER THE CONTROL OF THESE RULES

4.1 Required documentation

The *Build Pack* is incorporated by reference in these communication rules as if fully set out in these communication rules.

This document and the *Build Pack* satisfy the requirements of division 6.21 of the *Metering Code*.

The *Build Pack* sets out specific details as to how the data and information exchange processes will be implemented, including information relating to the design and development of information systems to enable the communication processes to occur.

The *Build Pack* is published on the Western Power website at this link http://www.westernpower.com.au/retailersgenerators/Build_Pack.html.

The *Build Pack* comprises a series of documents as specified in 2.1 of the *Usage Guidelines*.

4.2 Document development

Documents to be included in the *Build Pack* will be developed by the *network operator* in consultation with Code participants and in accordance with the *Metering Code*.

4.3 Storage location

The documentation referred to in clause 4.1 of these rules will be:

- (a) stored in a folder titled *Build Pack* on the network operator's web site; and
- (b) accessible via a link from the *network operator's* web portal.

4.4 Time frame to publish

The network operator will publish the *Build Pack* within 60 business days following the approval of these rules, otherwise:

- (a) the *Authority* will grant an extension of time; or
- (b) the dispute resolution process in Part 6 will apply, as appropriate to the circumstances.

**PART 5 – CHANGE CONTROL MANAGEMENT FOR DOCUMENTS
UNDER THE CONTROL OF THESE RULES**

5.1 Overview

The *Build Pack* may be varied or amended from time to time by following the processes set out in this Part 5.

5.2 Trigger Events

The process in clause 5.3 will be triggered if:

- (a) any changes are required to the *Build Pack* to give effect to any legislative provision or any provision of the network operator's metrology procedure; or
- (b) a review of the *Build Pack* is necessary to satisfy the objectives of the rules and/or Codes; or
- (c) the *network operator* receives a reasonable request from any person to amend the *Build Pack*, having regard to the objectives of the rules and/or the Codes; or
- (d) the *network operator* proposes a reasonable change request to amend the *Build Pack*, having regard to the objectives of the rules and/or the Codes.

5.3 Approval process

The following process applies in relation to any proposed changes to the *Build Pack* resulting from a trigger event under clause 5.2:

- (a) the *network operator* must publish a notice giving details of the proposed change;
- (b) the network operator must then seek comment from all *Code participants*, for a period of not less than 14 days;
- (c) if no comment is received from a *Code participant* within the time period specified in clause 5.3(b), then that *Code participant* will be deemed to have agreed to the proposed change;
- (d) the *network operator*, acting as a reasonable and prudent person, must actively engage with *Code participants* to address any significant issues arising from the comments received under clause 5.3(b) with the aim of reaching a resolution that satisfies the objectives of the rules and/or Codes;
- (e) if resolution is reached in clause 5.3(d), the change will be deemed to be approved; and
- (f) if resolution is not reached in clause 5.3(d), then the dispute resolution process under Part 6 will apply.

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5.4 Implementation

On completion of the approval process, set out in clause 5.3 of these rules, the *network operator* will:

- (a) test the proposed change in the *network operator's* test environment, to ensure there are no negative impacts on the information systems;
- (b) in the case of business to business transactions, provide industry testing;
- (c) once testing is satisfactorily completed, the *network operator* will negotiate an implementation date, acceptable to all *Code participants* affected by the change. All parties must act reasonably when negotiating the implementation date;
- (d) implement the change on the agreed date; and within one business day of the implementation, the *network operator* will publish details of the change.

5.5 Post Implementation

On completion of the implementation process, set out in clause 5.4 of these rules, the following post implementation process will apply:

- (a) the *network operator* and *Code participants* will have 3 business days to assess the performance of the change;
- (b) *Code participants* will have a further 2 business days to make written submissions, containing issues relating to the performance of the change under (a), to the *network operator*;
- (c) the *network operator* and the relevant *Code participants* will negotiate in good faith for a further 5 business days to resolve any issues included in a submission under (b); and
- (d) in the event that a resolution cannot be achieved under (c), the *network operator* will, subject to Part 6, back out the change, pending appropriate modifications, after which the will be re-implemented in accordance with clause 5.4.

PART 6 – DISPUTE RESOLUTION

6.1 Dispute resolution

If any dispute or difference arises in respect of any matter under or in connection with these rules, the applicable “dispute resolution procedure”, detailed under Part 8 of the *Metering Code* or under Part 7 of the *Customer Transfer Code*, will apply to that dispute.