

# Approved Systems Document

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8 August 2019



## Version control

| Version                       | Date amended      | Comments  |
|-------------------------------|-------------------|---|
| #1 – draft for Board approval | 1 August 2017     |   |
| #2 – final for approval       | 5 September 2017  |   |
| #3 – first publication        | 12 September 2017 |   |
| #4 – DSE amendment            | 8 August 2019     | Insert web services and ICCP as approved systems for issuing dispatch instructions; insert sunset clause for GENCO. Correct URL for system operator website in Table 2. |

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# 1 Purpose of the Approved Systems Document

Particular provisions in Part 13 of the Electricity Industry Participation Code 2010 (Code) require participants to make information available using the 'approved system'.

Clause 1.1 of the Code defines 'approved system' as "the system or systems required to convey information between persons in accordance with this Code as may be approved from time to time by the Authority".

Other Part 13 provisions require that, if a particular approved system or other means of providing information is unavailable, the relevant participant must follow backup procedures specified by the WITS manager (or in the case of clause 13.81, specified by the system operator) to make the relevant information available.

This document sets out:

- the approved systems, and which Part 13 provision(s) they apply to
- the backup procedures specified by the WITS manager (or in the case of clause 13.81, the system operator), and which Part 13 provision(s) the backup procedures apply to
- how an approved system or backup procedure is changed.

This document supersedes the information system definition (ISD), and is shorter and simpler than the ISD. This reflects the intent and effect of the Electricity Industry Participation Code Amendment (Code Review Programme) 2017 (CRP 2017 amendment), which revoked the 'information system' and moved most of the systems specified in the ISD for conveying information into the Code itself (for example, by specifying in particular Part 13 Code provisions that information must be provided using 'WITS').

## 2 Approved systems

### List of approved systems

The approved systems for conveying particular information under Part 13 are listed in the table below.

| System  | Description  |
|---|--|
| Electricity Hedge Disclosure System ( <a href="http://www.electricitycontract.co.nz">http://www.electricitycontract.co.nz</a> ) | The hedge contracts disclosure system  |
| File Transfer Protocol (FTP)  | The standard protocol used to transfer files electronically from one named location to another |
| GENCO until 31 December 2020  | A system used by the system operator to issue electronic dispatch instructions                 |
| Inter-Control Center Communications Protocol (ICCP)   | A system used by the system operator to issue electronic dispatch instructions                 |
| Web Services  | A system used by the system operator to issue electronic dispatch instructions                 |
| <a href="http://www.electricityinfo.co.nz">http://www.electricityinfo.co.nz</a>   | WITS Free to Air website   |
| MOI   | The system operator's market operator interface  |
| MDB   | The system operator's market database  |

### How the Authority changes an approved system

The Authority will consult if it proposes to change an approved system for a particular Code provision unless the Authority is satisfied, on reasonable grounds, that—

- (a) the nature of the change is technical and non-controversial; or
- (b) there is widespread support for the change among the people likely to be affected by it; or
- (c) there has been adequate prior consultation (for instance, by or through an advisory group) so that all relevant views have been considered.

After consulting on a proposed change, the Authority will consider submitters' views before deciding whether to proceed with the proposed change. The Authority will then announce its decision and publish an updated version of this document on its website that includes any of the proposed changes the Authority decides to make.

### 3 Backup procedures

#### List of backup procedures

Certain Part 13 provisions require the WITS manager (or the system operator for clause 13.81) to specify backup procedures participants must use if the approved system or other means of providing information is unavailable.

The following table sets out the Code provisions that require backup procedures, and which backup procedures apply to the relevant Code provisions:

**Table 2: Backup procedures**

| <b>Code provision reference</b> | <b>Backup procedure(s)</b>  |
|---------------------------------|---|
| Clause 13.23                    | Each purchaser or generator must send a facsimile entitled "Notification of Intention to Bid/Offer" to the system operator on (04) 4957154.   |
| Clause 13.52                    | The backup procedure specified by the WITS Manager is included in the WITS functional specification, which is available on the Authority's website at <a href="http://www.ea.govt.nz/operations/market-operation-service-providers/wits-manager/">http://www.ea.govt.nz/operations/market-operation-service-providers/wits-manager/</a> |
| Clause 13.55                    | The backup procedure specified by the WITS Manager is included in the WITS functional specification, which is available on the Authority's website at <a href="http://www.ea.govt.nz/operations/market-operation-service-providers/wits-manager/">http://www.ea.govt.nz/operations/market-operation-service-providers/wits-manager/</a> |
| Clause 13.67                    | The pricing manager will send a person to the system operator's premises to access the final information.<br>The system operator will courier to the clearing manager the final information in a format agreed with the clearing manager.   |
| Clause 13.81                    | The backup procedure specified by the system operator is available on the system operator's website at <a href="https://www.transpower.co.nz/system-operator/electricity-market/scheduling-and-dispatch">https://www.transpower.co.nz/system-operator/electricity-market/scheduling-and-dispatch</a>                                    |
| Clause 13.91                    | The backup procedure specified by the WITS Manager is included in the WITS functional specification, which is available on the Authority's website at   |

|               |  |
|---------------|--|
|               | <a href="http://www.ea.govt.nz/operations/market-operation-service-providers/wits-manager/">http://www.ea.govt.nz/operations/market-operation-service-providers/wits-manager/</a>  |
| Clause 13.106 | The backup procedure specified by the WITS Manager is included in the WITS functional specification, which is available on the Authority's website at <a href="http://www.ea.govt.nz/operations/market-operation-service-providers/wits-manager/">http://www.ea.govt.nz/operations/market-operation-service-providers/wits-manager/</a>  |
| Clause 13.114 | The backup procedure specified by the WITS Manager is included in the WITS functional specification, which is available on the Authority's website at <a href="http://www.ea.govt.nz/operations/market-operation-service-providers/wits-manager/">http://www.ea.govt.nz/operations/market-operation-service-providers/wits-manager/</a>  |
| Clause 13.191 | In relation to clause 13.189, the system operator will email, fax or phone through a list of the values of the model parameters used by the software to produce final prices and final reserve prices, or any updated list of these values.<br>In relation to clauses 13.135 to 13.191 the pricing manager will send a person to the system operator's premises to access the information. |
| Clause 13.211 | The backup procedure specified by the WITS Manager is included in the WITS functional specification, which is available on the Authority's website at <a href="http://www.ea.govt.nz/operations/market-operation-service-providers/wits-manager/">http://www.ea.govt.nz/operations/market-operation-service-providers/wits-manager/</a>  |

## **How the WITS manager or system operator changes a backup procedure it has specified**

### **Changes the WITS manager makes to backup procedures it specifies under particular Part 13 provisions**

In the case of each Part 13 provision that requires the WITS manager to specify backup procedures, the WITS manager must consult with the Authority and other participants specified in the relevant Code provision before changing the backup procedures for that provision.

After the WITS manager has consulted on changing a backup procedure, the WITS manager will consider submitters' views before deciding whether to proceed with the proposed change. After making its decision, the WITS manager will advise the Authority, and the Authority will

publish an updated version of this document on its website that includes the changes the WITS manager decides to make.

### **Changes the system operator makes to backup procedures it specifies under clause 13.81**

If the system operator changes a backup procedure it has specified under clause 13.81, the Authority will publish an updated version of this document on its website that includes the system operator's change.

## **4 Part 13 provisions that require use of approved systems**

| No. | Clause reference                                     | Obligation under the clause   | Approved system(s)   |
|-----|--|---|--|
| 1.  | Clause 13.55(1)                                      | WITS manager must make available at no cost on a publicly accessible approved system all final bids, final offers and final reserve offers received for the trading periods of the previous trading day | <a href="http://www.electricityinfo.co.nz">http://www.electricityinfo.co.nz</a>                          |
| 2.  | Clause 13.63   | System operator must make final information provided to the system operator available to the pricing manager and clearing manager using WITS or an approved system                                      | MOI/MDB  |
| 3.  | Clause 13.76(1)(a), 13.76(1)(c)                      | System operator must issue dispatch instructions to each generator or ancillary service agent using an approved system  | GENCO, ICCP, Web Services  |
| 4.  | Clause 13.92(1)                                      | WITS manager must make information received from the system operator under clause 13.90 available on an approved system   | <a href="http://www.electricityinfo.co.nz">http://www.electricityinfo.co.nz</a> (RTP publication on FTA) |
| 5.  | Clauses 13.136(1), 13.137(1), 13.137(3) & 13.138A(1) | Each generator or dispatchable load purchaser must give grid owner half-hour metering information using an approved system  | FTP or direct meter access   |
| 6.  | Clause 13.141(1)(b)(iii)                             | Grid owner must provide half-hour metering information to the pricing manager using an approved system  | FTP  |

| No. | Clause reference                              | Obligation under the clause   | Approved system(s)  |
|-----|---|---|---|
| 7.  | Clause 13.141(3) & (4)                        | Pricing manager must make demand half hour metering information, and revised half hour metering information if the revised information resolves a provisional price situation, available on WITS and on publicly accessible approved system | <a href="http://www.electricityinfo.co.nz">http://www.electricityinfo.co.nz</a> |
| 8.  | Clause 13.146(1) & (2)                        | Grid owner or system operator must provide revised data to the pricing manager using an approved system   | MOI/MDB, FTP  |
| 9.  | Clause 13.154(1A)(a) & (c)                    | Grid owner or system operator must provide revised data to the pricing manager using an approved system   | MOI/MDB, FTP, or direct meter access  |
| 10. | Clause 13.157(1) & (2)                        | Grid owner or system operator must provide revised data to the pricing manager using an approved system   | MOI/MDB, FTP  |
| 11. | Clause 13.161(1)(b)                           | System operator must provide revised data to the pricing manager using an approved system   | MOI/MDB   |
| 12. | Clauses 13.218 & 13.219                       | Parties to risk management contracts are required to submit information using an approved system  | Electricity Hedge Disclosure System   |
| 13. | Clause 13.220(2)                              | Authority may issue guidelines on the approved system, to assist participants submitting information under clauses 13.218 and 13.219  | Electricity Hedge Disclosure System   |
| 14. | Clause 13.222(1), 13.223(1), 13.224, & 13.225 | Sellers or buyers submit legal name and address in relation to every risk management contract   | Electricity Hedge Disclosure System   |
| 15. | Clause 13.226(1) & (2), 13.227, & 13.228(1)   | WITS manager must make submitted information available on publicly accessible approved system, and process for confirming or verifying that information must use approved system  | Electricity Hedge Disclosure System   |

| No. | Clause reference | Obligation under the clause   | Approved system(s)                  |
|-----|------------------|---|-------------------------------------|
| 16. | Clause 13.229(2) | If approved system has not received information submitted under clause 13.229, participant must resubmit it using the approved system | Electricity Hedge Disclosure System |