


**Electricity Industry Participation (Modified Dispatchable
Demand) Code Amendment 2013**


Pursuant to section 38 of the Electricity Industry Act 2010, I
make the following amendments to the Electricity Industry
Participation Code 2010.

At Wellington on the 9th day of December 2013


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9 December 2013

6 December 2013

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Amendment

1 Title

This is the Electricity Industry Participation (Modified Dispatchable Demand) Code Amendment 2013.

2 Commencement

- (1) This amendment comes into force at 13:30 on 15 May 2014, except as provided in this clause.
- (2) Clause 4 comes into force on 30 April 2014.

3 Code amended

- (1) This amendment amends the Electricity Industry Participation Code 2010.
- (2) Every reference to a clause or a schedule in clauses 5 to 102 in this amendment is a reference to a clause or a schedule in the Electricity Industry Participation Code 2010, unless otherwise specified.

4 Amendments revoked

The following are revoked:

- (a) the Electricity Industry Participation (Dispatchable Demand) Code Amendment 2011;
- (b) the Electricity Industry Participation (Dispatchable Demand) Code Amendment 2011, Amendment 2013.

5 Clause 1.1 amended (Interpretation)

- (1) In clause 1.1(1), insert in their appropriate alphabetical order:

"constrained off compensation means either—

- "(a) **constrained off amounts** payable to a **dispatched purchaser** under clause 13.201A; or
- "(b) **constrained off amounts** payable to the **clearing manager** under clause 13.201A by **purchasers**

"dispatchable load information means the **volume information**—

"(a) of each **dispatch-capable load station** for each **trading period** in a **consumption period**; and

"(b) that is—

"(i) prepared under clause 15.5A or 15.5B; and

"(ii) aggregated and rounded in accordance with clause 15.5C

"dispatchable load purchaser means a **purchaser** that purchases **electricity** for a **dispatch-capable load station**

"dispatch-capable load station means a device or a group of devices approved as a **dispatch-capable load station** under clause 13.3A

"dispatch-capable load station identifier means a unique code—

"(a) assigned to a **dispatch-capable load station** under clause 6(2) of Schedule 13.8; and

"(b) that is used to identify the **dispatch-capable load station**

"dispatched purchaser means a **dispatchable load purchaser**,—

"(a) issued with a **dispatch instruction** under clause 13.72(1)(b) for 1 or more **dispatch-capable load stations**; or

"(b) issued with a **dispatch instruction** in accordance with backup procedures under clause 13.81(2) for 1 or more **dispatch-capable load stations**

"nominated dispatch bid means a **nominated bid** that a **purchaser** submits to the **system operator** in relation to a **dispatch-capable load station** that the **purchaser** is making available to be **dispatched**

"nominated non-dispatch bid means a **nominated bid** that a **purchaser** submits to the **system operator** in relation to—

"(a) **non-dispatch-capable load** at a **non-conforming GXP**; or

"(b) a **dispatch-capable load station** that the **purchaser** is not making available to be **dispatched**

"non-dispatch-capable load means a quantity of **electricity** purchased at a **GXP** that is not purchased for 1 or more **dispatch-capable load stations**".

- (2) In clause 1.1(1), replace the definitions of **constrained on compensation**, **difference bid**, **dispatch instruction**, **dispatch schedule**, and **metering situation** with the following definitions:

"constrained on compensation means, as the case may be,—

"(a) the **constrained on amounts** payable to—

"(i) a **generator** under clause 13.212(1)(a); or

"(ii) an **ancillary service agent** under clause 13.212(1)(a); or

"(iii) a **dispatched purchaser** under clause 13.212(1)(b); or

"(b) the **constrained on amounts** payable by—

"(i) the **system operator** under clause 13.212(2); or

"(ii) a **purchaser** under clause 13.212(5)

"difference bid means a **bid** that a **purchaser** submits to the **system operator** to indicate a reasonable estimate of an increase or decrease in the **purchaser's** usual **non-dispatch-capable load** purchased at a **conforming GXP**

"dispatch instruction means an instruction issued by the **system operator** under clause 13.72(1)

"dispatch schedule means the schedule produced by the **system operator** under clause 13.69A

"metering situation means a situation in which—

"(a) the **metering information** to be given is incomplete or incorrect or is and remains an **initial estimate** for—

"(i) a **grid exit point** or **grid injection point** specified on the **annual consumption list** as having **historical annual consumption** greater than 500 GWh; or

"(ii) any 2 or more **grid exit points** or **grid injection points** specified on the **annual consumption list** as having **historical annual consumption** greater than 300 GWh; or

"(iii) any 10 or more **grid exit points** or **grid injection points**; or

"(iv) an **intermittent generating station** with a **point of connection** to the **grid**; or

"(b) the **metering information** for a **dispatch-capable load station** given for a **trading period** is incomplete or incorrect or is and remains an **initial estimate** for a **grid exit point** at which a **nominated dispatch bid** has been submitted for the **trading period**".

- (3) In clause 1.1(1), definition of **loss category**, after **"submission information"**, insert **"or dispatchable load information"**.

- (4) In clause 1.1(1), amend the definition of **loss factor** as follows:
 - (a) after "**submission information**" insert "or **dispatchable load information**";
 - (b) in paragraph (b), replace "notified by the **Authority** in accordance with clause 15" with "directed by the **Authority** under clause 15.20B(3) or 15(1)".
- (5) In clause 1.1(1), amend the definition of **nominated bid** as follows:
 - (a) revoke paragraphs (a) to (c);
 - (b) after paragraph (c), insert:
 - "(d) means a **bid** that a **purchaser** submits to the **system operator** to indicate a reasonable estimate of the quantity of—
 - "(i) **electricity** that the **purchaser** will purchase for a **dispatch-capable load station** at a **GXP**; or
 - "(ii) **non-dispatch-capable load** that the **purchaser** will purchase at a **non-conforming GXP**; and
 - "(e) includes a deemed **nominated bid** under clause 13.8A".
- (6) In clause 1.1(1), definition of **payee**, after paragraph (c), insert:
 - "(d) a **dispatched purchaser**".
- (7) In clause 1.1(1), definition of **SCADA situation**, after "(ii)" delete "and (iii)".
- (8) In clause 1.1(1), definition of **sub-block dispatch groups**, replace "13.73(j)" with "13.73(1)(j)".
- (9) In clause 1.1(1), definition of **sub-station dispatch groups**, replace "13.73(k)" with "13.73(1)(k)".

6 **Clause 13.1 amended (Contents of this Part)**

After clause 13.1(i) insert:

- "(j) a device or a group of devices may be approved to be a **dispatch-capable load station**."

7 **New clauses 13.3A to 13.3C inserted**

After clause 13.3, insert:

"13.3A Approval process for dispatch-capable load stations

- "(1) A **purchaser** at a **GXP** may apply to the **system operator** for approval for a device or a group of devices at the **GXP** to be a **dispatch-capable load station** under Schedule 13.8.
- "(2) The **system operator** must consider the application in accordance with Schedule 13.8.

- "(3) If the **system operator** approves a device or a group of devices as a **dispatch-capable load station**,—
- "(a) the approval is valid until the date the approval is revoked under clause 10 of Schedule 13.8; but
- "(b) a device or group of devices in respect of which the approval is granted is not a **dispatch-capable load station** while its approval is suspended under clause 10 of Schedule 13.8.

"13.3B Changes to dispatch-capable load station must be notified to system operator

- "(1) A **purchaser** to which a **dispatch-capable load station** approval is granted must advise the **system operator** of any change to the factors the **system operator** considered in granting approval, including an intended change of the **dispatchable load purchaser**.
- "(2) A **purchaser** must advise the **system operator** of the change no later than 10 **business days** before the change takes effect.
- "(3) The **system operator** must consider the change advised and decide whether—
- "(a) to amend the approval under clause 10 of Schedule 13.8; or
- "(b) to revoke the approval under clause 10 of Schedule 13.8; or
- "(c) to suspend the approval under clause 10 of Schedule 13.8.

"13.3C System operator to publish dispatch-capable load station approval process guidelines

- "(1) The **system operator** must **publish** guidelines for the purpose of assisting **purchasers** to obtain approval under clause 13.3A.
- "(2) Before **publishing** the guidelines under subclause (1), the **system operator** must consult with **participants** on the guidelines.
- "(3) To avoid doubt, consultation undertaken before the commencement of this clause is to be treated as the consultation required for the purpose of subclause (2)."

8 Clause 13.7 replaced (Purchasers to submit bids)

Replace clause 13.7 with:

"13.7 Purchaser to submit bids for dispatch-capable load station

- "(1) This clause applies to each **dispatchable load purchaser**.
- "(2) Unless the **dispatchable load purchaser** relies on clause 13.8A, the **dispatchable load purchaser** must submit to the **system operator** for each of its **dispatch-capable load stations** for each **trading period** in the **schedule period**—
 - "(a) a **nominated non-dispatch bid**; or
 - "(b) a **nominated dispatch bid**.
- "(3) A **nominated bid** submitted under subclause (2) must represent a reasonable estimate of the total quantity of **electricity** the **dispatchable load purchaser** will purchase—
 - "(a) for the **dispatch-capable load station**; and
 - "(b) for the **trading period**; and
 - "(c) at the prices specified in the **nominated bid**.

"13.7AA Purchaser to submit bids for non-dispatch-capable load

- "(1) This clause applies to each **purchaser** that—
 - "(a) purchases **non-dispatch-capable load**; and
 - "(b) in relation to a **nominated bid**, does not rely on clause 13.8A.
- "(2) The **purchaser**—
 - "(a) must, if it purchases **non-dispatch-capable load** at a **non-conforming GXP**, submit to the **system operator** for each **trading period** in the **schedule period** a **nominated non-dispatch bid** that represents a reasonable estimate of the total **non-dispatch-capable load** that the **purchaser** will purchase—
 - "(i) at the **GXP**; and
 - "(ii) for the **trading period**; and
 - "(iii) at the prices specified in the **nominated non-dispatch bid**; and
 - "(b) may, if it purchases **non-dispatch-capable load** at a **conforming GXP**, submit to the **system operator** for a **trading period** a **difference bid** that represents a reasonable estimate of an increase or decrease in the **purchaser's** usual **non-dispatch-capable load** purchased—
 - "(i) at the **GXP**; and
 - "(ii) for the **trading period**; and

"(iii) at the prices specified in the **difference bid**.

"13.7AB Timeframe for submitting bids to system operator

- "(1) Each **purchaser** that submits a **nominated bid** to the **system operator** must submit the **nominated bid** at least 71 **trading periods** before the beginning of the **trading period** to which the **nominated bid** applies.
- "(2) Each **purchaser** that submits a **difference bid** to the **system operator** must submit the **difference bid** at least 4 **trading periods** before the beginning of the **trading period** to which the **difference bid** applies.

"13.7AC Submitting bid for first time

- "(1) Despite anything in this Code, a **purchaser** must give at least 5 **business days'** notice in writing to the **system operator** and the **clearing manager** before the **purchaser** submits a **bid** for the first time.
- "(2) The **system operator** may request from a **purchaser** information—
- "(a) about the **purchaser**; and
 - "(b) that the **system operator** requires for the purposes of scheduling and **dispatch** in accordance with this Code.
- "(3) A **purchaser** must comply with a request made under subclause (2)."

9 Clause 13.7A amended (System operator to prepare forecast of demand at conforming GXPs)

Amend clause 13.7A as follows:

- (a) in the heading and in subclause (1), in each place where it appears, replace "**demand**" with "**non-dispatch-capable load**";
- (b) in subclauses (2)(a) and (2)(b)(ii), in each place where it appears, replace "of **demand**" with "under subclause (1)".

10 Clause 13.7B amended (Authority may request system operator to report on accuracy of forecasts of demand)

Amend clause 13.7B as follows:

- (a) in the heading, replace "**demand**" with "**non-dispatch-capable load at conforming GXPs**";
- (b) in subclause (1),—
 - (i) delete "of **demand**"; and
 - (ii) replace "13.7A" with "13.7A(1)".

- 11 **Clause 13.8 amended (Deemed offers)**
In clause 13.8(3), replace "13.19 to 13.21" with "13.17 to 13.19".
- 12 **Clause 13.8A amended (Deemed nominated bids)**
Amend clause 13.8A as follows:
- (a) in subclause (2), delete ", and clause 13.13(1)(b) applies accordingly":
 - (b) in subclause (3), replace "clauses 13.19A to 13.21" with "clause 13.19A":
 - (c) after subclause (3), insert:
 - "(4) A **purchaser** must ensure that each of its deemed **nominated bids** under this clause,—
 - "(a) if it is a **nominated bid** for a **dispatch-capable load station**, represents a reasonable estimate of the total quantity of **electricity** that the **purchaser** will purchase for the **dispatch-capable load station** at the specified prices for the **trading period**; or
 - "(b) if it is a **nominated bid** for **non-dispatch-capable load**, represents a reasonable estimate of the **non-dispatch-capable load** that the **purchaser** will purchase at the **GXP** at the specified prices for the **trading period**."
- 13 **Clause 13.13 amended (Information to be contained in bids)**
Amend clause 13.13 as follows:
- (a) after subclause (1)(a), insert:
 - "(aa) if it is a **nominated bid** for a **dispatch-capable load station**, specifies whether it is—
 - "(i) a **nominated dispatch bid**; or
 - "(ii) a **nominated non-dispatch bid**."
 - (b) revoke subclause (1)(b):
 - (c) replace subclause (2) with:
 - "(2) A **purchaser** must ensure that each of its **difference bids** contains all information required by Form 4A in Schedule 13.1."
- 14 **Clause 13.19A amended (Bids may be revised or cancelled)**
- (1) After clause 13.19A(1)(a), insert:
 - "(aa) revise a **nominated bid**—
 - "(i) from being a **nominated dispatch bid** to being a **nominated non-dispatch bid**; or

- "(ii) from being a **nominated non-dispatch bid** to being a **nominated dispatch bid**; or".
- (2) After clause 13.19A(2)(b), insert:
 - "(ba) revise a **nominated bid**—
 - "(i) from being a **nominated dispatch bid** to being a **nominated non-dispatch bid**; or
 - "(ii) from being a **nominated non-dispatch bid** to being a **nominated dispatch bid**".
- (3) In clause 13.19A(3)(a), before subparagraph (i), insert:
 - "(ia) revise a **nominated bid**—
 - "(A) from being a **nominated dispatch bid** to being a **nominated non-dispatch bid**; or
 - "(B) from being a **nominated non-dispatch bid** to being a **nominated dispatch bid**".
- (4) Replace clause 13.19A(3)(b) with:
 - "(b) before the beginning of the **trading period** to which a **nominated bid** applies, the **purchaser** that submitted the **nominated bid** must immediately submit a revised **nominated bid** quantity to the **system operator** if the **purchaser** expects, or ought reasonably to expect, that the quantity of **electricity** likely to be purchased by the **purchaser** at the prices indicated in the **nominated bid** will,—
 - "(i) if the **nominated bid** is a **nominated non-dispatch bid**, differ from the quantity in the **nominated bid** by more than the lesser of—
 - "(A) 20MW; and
 - "(B) 20% of the **nominated bid** quantity; or
 - "(ii) if the **nominated bid** is a **nominated dispatch bid**, differ from the quantity in the **nominated bid** by more than the lesser of—
 - "(A) 10MW; and
 - "(B) 10% of the **nominated bid** quantity".
- (5) In clause 13.19A(3)(c), replace "may revise a **nominated bid** in accordance with clauses 13.99 and 13.100" with "must comply with clauses 13.99 to 13.100".

15 Clause 13.20 amended (System operator notified of revised or cancelled nominated bids or offers in certain circumstances)

In clause 13.20(1), delete "**non-conforming**".

16 Clause 13.40 amended (Inter-relationship between reserve offers of interruptible load and electricity bids)

Amend clause 13.40 as follows:

- (a) in the heading, delete "**electricity**";
- (b) replace "clause 13.13(1)(b) or 13.13(2)(b) if an **ancillary service agent**" with "the reasonable

estimate requirement in clauses 13.7(3), 13.7AA(2), and 13.8A(4) if the **purchaser** is acting as an **ancillary service agent** and".

- 17 **Clause 13.55A amended (System operator to make information available)**
Amend clause 13.55A(1)(b) as follows:
 - (a) delete "of **demand**";
 - (b) replace "13.7A" with "13.7A(1)".
- 18 **Clause 13.56 amended (Contents of this subpart)**
In clause 13.56(e), replace "and **ancillary service agents**" with ", **ancillary service agents**, and **dispatched purchasers**".
- 19 **Clause 13.57 amended (The dispatch objective)**
In clause 13.57(a), after "generation", insert ", **dispatch-capable load stations** for which a **nominated dispatch bid** was submitted,".
- 20 **Clause 13.58A amended (Inputs for price-responsive schedule and non-response schedule)**
Amend clause 13.58A as follows:
 - (a) in subclause (1)(c),—
 - (i) delete "of **demand**"; and
 - (ii) replace "13.7A" with "13.7A(1)":
 - (b) in subclause (2)(a), replace "**offers** and" with "**offers, nominated dispatch bids**, and":
 - (c) in subclause (2)(b), after "**nominated**", insert "**non-dispatch**":
 - (d) in subclause (2)(c),—
 - (i) delete "of **demand**"; and
 - (ii) replace "13.7A" with "13.7A(1)".
- 21 **Clause 13.59 amended (Contents of each price-responsive schedule and non-response schedule)**
Replace clause 13.59(c) with:

"(c) each **non-response schedule** prepared by the **system operator** must specify the expected—

 - "(i) **non-dispatch-capable load** at each **conforming GXP**; and
 - "(ii) **demand** for each **nominated bid**."
- 22 **Clauses 13.68 and 13.69 revoked**
Revoke clauses 13.68 and 13.69.
- 23 **New clause 13.69A inserted (System operator to prepare dispatch schedule)**
Before clause 13.70, insert:

"13.69A System operator to prepare dispatch schedule

The **system operator** must prepare a **dispatch schedule** in accordance with the methodology set out in Schedule 13.3."

24 Clause 13.71 replaced (System operator must use certain things)

Replace clause 13.71 with:

"13.71 System operator to use certain things

"(1) In determining **dispatch instructions** when implementing a **dispatch schedule** under clause 13.72(1)(a), the **system operator** must use—

"(a) the price order in the current **dispatch schedule**; and

"(b) any revised **offer** from a **generator** notified in accordance with clause 13.19 (except for revised **offers** submitted by an **intermittent generator** under clause 13.19(1)(a)(iii)); and

"(c) any ramp rates of **generators**. For **intermittent generators**, the ramp rates are those agreed between the **intermittent generator** and the **system operator**; and

"(d) any revised **nominated bid** quantities from a **purchaser** notified in accordance with clause 13.19A; and

"(e) any additional information regarding the future output of an **intermittent generator** submitted by an **intermittent generator** in agreement with the **system operator**; and

"(f) the actual profile of **demand** during the previous **trading period**; and

"(g) the expected profile of **demand** within the current **trading period** and the subsequent **trading periods**; and

"(h) the current output levels of each **generator**; and

"(i) any revised **reserve offer** from an **ancillary service agent** notified in accordance with clause 13.48; and

"(j) any revised information received from a **grid owner** under clause 13.34(1); and

"(k) the order in which reserves may be called as specified by the **system operator** from time to time.

"(2) In determining **dispatch instructions** under clause 13.72(1)(b), the **system operator** must use revised

nominated dispatch bids submitted under clause 13.19A."

25 Clause 13.72 replaced (System operator must formulate and issue dispatch instructions)

Replace clause 13.72 with:

"13.72 System operator to issue dispatch instructions

"(1) The system operator must implement—

"(a) a dispatch schedule, and any departure from the dispatch schedule under clause 13.70, by issuing dispatch instructions to,—

"(i) generators; and

"(ii) ancillary service agents:

"(b) a non-response schedule by issuing dispatch instructions to dispatchable load purchasers that have submitted nominated dispatch bids.

"(2) The system operator must issue each dispatch instruction in a reasonable and timely manner to enable the participant to which the dispatch instruction is issued to comply with the dispatch instruction.

"(3) Despite subclause (1), the system operator is not required to issue a dispatch instruction to a participant if—

"(a) the dispatch instruction is—

"(i) to provide a quantity of active power under clause 13.73(1)(a); or

"(ii) to provide a quantity of instantaneous reserve under clause 13.73(1)(b); and

"(b) the dispatch instruction would differ from the most recent dispatch instruction issued to the participant by 1 MW or less."

26 Clause 13.73 replaced (Content of dispatch instructions to generators and ancillary service agents)

Replace clause 13.73 with:

"13.73 Content of dispatch instructions to generators, ancillary service agents, and dispatchable load purchasers

"(1) The system operator must ensure that each dispatch instruction it issues under clause 13.72(1)(a) instructs the generator or ancillary service agent to carry out 1 of the following in relation to a generating plant, a generating unit, a block dispatch group, a station dispatch group, a frequency keeping unit, or interruptible load:

"(a) provide a quantity of active power:

- "(b) provide a quantity of **instantaneous reserve**:
 - "(c) provide a quantity and quality of reserve power or alternative to regulate frequency continuously:
 - "(d) provide a quantity of **reactive power**:
 - "(e) adjust transformer tap positions to maintain voltage levels:
 - "(f) provide a level of voltage:
 - "(g) **synchronise or de-synchronise generating plant** within the current **trading period** or the next **trading period** either directly or in accordance with any process that may be agreed with the **generator**:
 - "(h) switch on or switch off schemes for over frequency tripping where such capability exists in **generating plant** that a **generator** has offered to provide to the **system operator**:
 - "(i) manage the **generating plant** within a **block dispatch group** or **station dispatch group** so as to ensure the largest single reserve risk within that **block dispatch group** or **station dispatch group** does not exceed the relevant maximum reserve risk notified by the **system operator** for the North Island or the South Island for each **trading period**:
 - "(j) manage the total aggregate generation for each **sub-block dispatch group** or **sub-station dispatch group** for that **generator** so as not to exceed the total sum of the **dispatched** quantities for each **generating plant** or **generating unit** comprising that **sub-block dispatch group** or **sub-station dispatch group** for the duration of the notice received under clauses 13.60, 13.61, or 13.64 to 13.66:
 - "(k) manage the total aggregate generation for each **block dispatch group** or **station dispatch group** for that **generator** so as to meet the total sum of the **dispatched** quantities for each **generating station** or **generating unit** comprising that **block dispatch group** or **station dispatch group**.
- "(2) The **system operator** must ensure that each **dispatch instruction** issued under clause 13.72(1)(b) instructs the **dispatchable load**

purchaser to use a specified quantity of **electricity** in relation to a **dispatch-capable load station**."

27 Clause 13.74 revoked (Content of dispatch instructions to reserve, interruptible load, and frequency keeping suppliers)

Revoke clause 13.74.

28 Clause 13.75 amended (Form of dispatch instruction)

Amend clause 13.75 as follows:

- (a) replace "clauses 13.73 or 13.74," with "clause 13.72(1)(a),";
- (b) in paragraph (b), delete "issued in accordance with clause 13.73";
- (c) after paragraph (g), insert:
 - "(h) if it is a **dispatch instruction** specified in clause 13.73(1)(i), the maximum reserve risk for the relevant **island**."
- (d) after subclause (1), insert:
 - "(2) When issuing a **dispatch instruction** under clause 13.72(1)(b), the **system operator** must specify—
 - "(a) the **dispatch-capable load station** to which the **dispatch instruction** applies; and
 - "(b) the **trading period** for which the **dispatch instruction** is issued; and
 - "(c) the desired outcome of the **dispatch instruction**."

29 Clause 13.76 replaced (Dispatch instructions to be logged)

Replace clause 13.76 with:

"13.76 Dispatch instructions to be logged:

- "(1) The **system operator** must issue **dispatch instructions** using the electronic facilities specified in the **information system** to—
 - "(a) each **generator**; and
 - "(b) each **dispatchable load purchaser** that has submitted a **nominated dispatch bid**.
- "(2) The **system operator** must use either voice communication or electronic communication (if such facility exists) to issue **dispatch instructions** to each **ancillary service agent**.
- "(3) The **system operator** must log and record each **dispatch instruction**.

- "(4) Each **generator** and each **ancillary service agent** must log each **dispatch instruction** received from the **system operator**."
- "(5) By 1600 hours on the 7th **business day** of each **billing period**, the **system operator** must provide to the **clearing manager** a copy of each **dispatch instruction** that the **system operator**—
 - "(a) issued during the previous **billing period**; and
 - "(b) has logged and recorded under subclause (3).
- "(6) For the purpose of subclause (4), if the **system operator** has issued more than 1 **dispatch instruction** for a **dispatch-capable load station** for the same **trading period**, the **system operator** must provide a copy of the latest **dispatch instruction**."

30 Clauses 13.77 and 13.78 revoked

Revoke clauses 13.77 and 13.78.

31 Clause 13.80 amended (Dispatch instructions provided to grid owner)

In clause 13.80(1), delete "under clause 13.73".

32 Clause 13.81 amended (Backup procedures if communication not possible)

Amend clause 13.81 as follows:

- (a) replace paragraph (a) with:
 - "(a) none of the mechanisms described in clause 13.76 are available to issue **dispatch instructions** under clause 13.72(1)(a); or"
- (b) after subclause (1), insert:
 - "(2) If the **system operator** is not able to send, using the electronic facilities specified under clause 13.76(1), a **dispatch instruction** to a **dispatchable load purchaser** that has submitted a **nominated dispatch bid**, the **dispatchable load purchaser** must follow the backup procedures specified by the **system operator**."

33 Clause 13.82 replaced (Dispatch instructions to be complied with)

Replace clause 13.82 with:

"13.82 Dispatch instructions to be complied with

"(1) This clause applies to—

- "(a) a **generator**; and

- "(b) an **ancillary service agent**; and
 - "(c) a **dispatched purchaser**.
- "(2) Each **participant** to which this clause applies must comply with a **dispatch instruction** properly issued by the **system operator** under clause 13.72 unless,—
- "(a) in the **participant's** reasonable opinion,—
 - "(i) personnel or plant safety is at risk; or
 - "(ii) following the **dispatch instruction** will contravene a law; or
 - "(b) the **generating plant** or **dispatch-capable load station** is already responding to an automated signal to activate—
 - "(i) **capacity reserve**; or
 - "(ii) **instantaneous reserve**; or
 - "(iii) **automatic under-frequency load shedding**; or
 - "(iv) **over frequency reserve**; or
 - "(c) the **participant** is a **generator** or **ancillary service agent** acting in accordance with clause 13.86; or
 - "(d) the **participant** is an **intermittent generator** that has complied with clause 13.17, and the **system operator** has not advised that there is—
 - "(i) a **grid emergency**; or
 - "(ii) a system constraint that directly affects the **intermittent generator**; or
 - "(e) the **participant**—
 - "(i) is a **generator**; and
 - "(ii) deviates from a **dispatch instruction** for **active power** to comply with clause 8.17; or
 - "(f) the **participant**—
 - "(i) is a **dispatched purchaser**; and
 - "(ii) deviates from the **dispatch instruction**—
 - "(A) to comply with a request issued by the **system operator** under clause 5(4) of **Technical Code B** of Schedule 8.3; or
 - "(B) to comply with clause 8.18; or
 - "(g) the **participant**—
 - "(i) is a **dispatched purchaser**; and
 - "(ii) cannot comply with the **dispatch instruction** because of a disconnection of **demand** under clause 7(20) of **Technical Code B** of Schedule 8.3; or

- "(h) the **participant**—
 - "(i) is a **generator** or an **ancillary service agent**; and
 - "(ii) deviates from a **dispatch instruction** to comply with clause 9 of **Technical Code B** of Schedule 8.3; or
- "(i) the **participant**—
 - "(i) is a **generator** or an **ancillary service agent**; and
 - "(ii) is acting in accordance with a commissioning or test plan that—
 - "(A) is required under clause 2(6) of **Technical Code A** of Schedule 8.3; and
 - "(B) expressly allows the **generator** or **ancillary service agent** to depart from the **dispatch instruction** for the purpose of the commissioning or test plan; and
 - "(iii) has no reasonable means of complying with the **dispatch instruction** while acting in accordance with the commissioning or test plan.
- "(3) A **participant** to which the exception in subclause (2)(a) applies must immediately advise the **system operator** of the circumstance in which the exception arises.
- "(4) If a **dispatched purchaser** is issued with more than 1 **dispatch instruction** for the same **dispatch-capable load station** for the same **trading period**, the **dispatched purchaser** must comply with the latest **dispatch instruction**.
- "(5) To avoid doubt, a **dispatch instruction** listed in clause 13.73(1)(b) to 13.73(1)(f) or 13.73(1)(h) is properly issued only if—
 - "(a) the **generator** or **ancillary service agent** to which the **dispatch instruction** is given has an enforceable contract with the **system operator** for the provision of services relating to the **dispatch instruction**; or
 - "(b) the **dispatch instruction** is consistent with an enforceable contract between the **system operator** and the **generator** or **ancillary service agent** for the provision of services relating to the **dispatch instruction**; or
 - "(c) the **dispatch instruction** is given for the purposes of clause 8.5 or 13.70; or
 - "(d) the **dispatch instruction** is consistent with—

- "(i) the **asset owner performance obligations** under clauses 8.22 to 8.24;
or
 - "(ii) the **technical codes** concerning voltage;
or
 - "(iii) a **dispensation**.
 - "(6) A **dispatched purchaser** issued with a **dispatch instruction** for a **dispatch-capable load station** must not make changes to its other load at the same **GXP** with the intention of offsetting the **dispatch instruction** for the **dispatch-capable load station**."
- 34 **New clause 13.83A inserted (Dispatchable load purchasers to make staff or facilities available to meet dispatch instructions)**
After clause 13.83, insert:
"13.83A Dispatchable load purchasers to make staff or facilities available to meet dispatch instructions
 "(1) Each **dispatchable load purchaser** that has submitted a **nominated dispatch** bid must ensure that appropriate personnel or facilities are available to receive and comply with each **dispatch instruction** issued to the **dispatchable load purchaser**.
 "(2) Nothing in this clause limits the ability of a **dispatchable load purchaser** to have a control centre that operates 1 or more **dispatch-capable load stations** by remote control."
- 35 **Clause 13.86 amended (Generators and ancillary service agents not obliged to comply with dispatch instructions below threshold)**
In clause 13.86, replace "13.72" with "13.72(1)(a)".
- 36 **Clause 13.90 amended (Process for publishing real time prices)**
Amend clause 13.90 as follows:
 (a) in subclause (1)(b)(iii), in each place where it appears, delete "as set by the **system operator** in accordance with clauses 13.68 to 13.86 or 13.104 to 13.106,";
 (b) in subclause (1)(b)(iii)(C), delete "clause 12 of".
- 37 **Clause 13.96 replaced (Purchaser to co-operate with system operator to manage response to real time prices)**
Replace clause 13.96 with:
"13.96 Purchaser to co-operate with system operator to manage response to real time prices

- "(1) This clause applies to a **purchaser** that wishes to increase or decrease its total **demand**, other than **demand** for a **dispatch-capable load station** for which a **nominated dispatch bid** is submitted, across 1 or more of its **grid exit points** in response to **real time prices** by—
 - "(a) greater than 50 **MW** in any 15 minute period in the North Island; or
 - "(b) greater than 30 **MW** in any 15 minute period in the South Island.
- "(2) If this clause applies, the **purchaser** must—
 - "(a) advise the **system operator** by telephone of the increase or decrease at least 5 minutes before the change; and
 - "(b) if instructed by the **system operator** by telephone, manage any such increase or decrease in accordance with the instructions."

38 Clause 13.99 amended (Effect of grid emergency on total quantities bid)

In clause 13.99(a), delete "**non-conforming**".

39 New clause 13.99A inserted (Effect of grid emergency on nominated dispatch bids)

After clause 13.99, insert:

"13.99A Effect of grid emergency on nominated dispatch bids

- "(1) This clause applies—
 - "(a) if the **system operator** has declared a **grid emergency**; and
 - "(b) to each **nominated dispatch bid** that is for—
 - "(i) a **GXP** that is in the affected electrical or geographical region as specified in the **formal notice** issued by the **system operator**; and
 - "(ii) a **trading period** that is specified in the **formal notice** issued by the **system operator**.
- "(2) If this clause applies, a **purchaser** must immediately change each **bid** to which this clause applies from a **nominated dispatch bid** to a **nominated non-dispatch bid**."

40 Clause 13.100 amended (Purchasers may change other parameters)

Amend clause 13.100 as follows:

- (a) in paragraph (a),—

- (i) replace "the quantities bid in respect of a **non-conforming GXP**" with "a **nominated bid's** quantities"; and
 - (ii) in each place where it appears, delete "**non-conforming**"; and
 - (iii) replace "notified by the **system operator** under clause 5(1) of **Technical Code B** of Schedule 8.3" with "specified in the **formal notice** issued by the **system operator**":
 - (b) replace paragraph (b) with:
 - "(b) decrease a **nominated bid's** quantities."
- 41 Clause 13.104 amended (Information to be published)**
 Amend clause 13.104(1) as follows:
- (a) in paragraph (a)(ii), replace "**demand**" with "**non-dispatch-capable load**";
 - (b) in paragraph (b),—
 - (i) delete "of **demand**"; and
 - (ii) replace "13.7A" with "13.7A(1)".
- 42 Clause 13.105A amended (Information to be provided to purchasers, generators, and ancillary service agents)**
 In clause 13.105A(1), before paragraph (a), insert:
 "(aa) send to each **dispatchable load purchaser** that has submitted a **nominated dispatch bid**, information from the current **non-response schedule** relating to the scheduling of the **dispatchable load purchaser's nominated dispatch bids** for the **trading periods** covered in the **schedule length period**; and".
- 43 Clause 13.138 amended (Half-hour metering information to be adjusted for losses)**
 In the heading to clause 13.138, replace "**Half-hour**" with "**Generator's half-hour**".
- 44 New clauses 13.138A and 13.138B inserted**
 After clause 13.138, insert:
"13.138A Dispatchable load purchaser's half-hour metering information to be adjusted for losses
 "(1) Each **dispatchable load purchaser** must provide **half-hour metering information** to the **pricing manager** and the relevant **grid owner**—
 "(a) for each of its **dispatch-capable load stations**; and
 "(b) in accordance with subclause (2).
 "(2) Each **dispatchable load purchaser** must provide the **half-hour metering information**—

- "(a) adjusted for **losses**, if any, relative to the **grid exit point** at which the **dispatchable load purchaser** purchases **electricity** for the **dispatch-capable load station**; and
 - "(b) in the manner and form advised by the **pricing manager**; and
 - "(c) by 0500 hours on a **trading day** for each **trading period** of the previous **trading day**.
- "(3) To avoid doubt, each **dispatchable load purchaser** must prepare the **half-hour metering information** required under this clause in accordance with the requirements of Part 15 for the collection of the **dispatchable load purchaser's volume information**.
- "(4) If the **Authority** or the **system operator** requests a copy of the information specified in subclause (2) from a **dispatchable load purchaser**, the **dispatchable load purchaser** must comply with the request.

"13.138B System operator to give list of trading periods

- "(1) The **system operator** must give the **pricing manager** and the relevant **grid owner** a list showing, in relation to each **dispatch-capable load station**, each **trading period** in the previous **trading day** for which there is a **nominated dispatch bid**.
- "(2) The **system operator** must give the list to the **pricing manager** and the relevant **grid owner**—
- "(a) by 0500 hours on each **trading day**; and
 - "(b) in the manner and form agreed by the **pricing manager** and the **system operator**."

45 Clause 13.140 replaced (Generators to notify provision of half-hour metering information)

Replace clause 13.140 with:

"13.140 Generators and dispatchable load purchasers to notify provision of half-hour metering information

- "(1) This clause applies to—
- "(a) a **generator**; and
 - "(b) a **dispatchable load purchaser**.
- "(2) If a **participant** to which this clause applies provides **half-hour metering information** to the **pricing manager** and a **grid owner** under clauses 13.136 to 13.138, or 13.138A, the **participant** must **publish** a notice—

- "(a) specifying that it has given **half-hour metering information** to the **pricing manager** and the relevant **grid owner**; and
- "(b) by 0730 hours on the day the **participant** provided the **half-hour metering information** to the **pricing manager** and the relevant **grid owner**."

46 Clause 13.141 amended (Pricing manager to use certain information)

Amend clause 13.141 as follows:

- (a) replace subclause (1)(a) and (b) with:
 - "(a) for existing generation configuration—
 - "(i) data specifying the instantaneous **MW injection** at the **grid injection point** at the beginning of each **trading period** for each **generating plant** and each **generating unit** that was the subject of **offers** for that **trading period**; or
 - "(ii) if no such data is available, a reasonable estimate of such data:
 - "(b) for actual **demand** over the **trading period**,—
 - "(i) the **demand half-hour metering information** described as L_{MA} below must be calculated as follows:
 - " $L_{MA} = G_{EA} + L_{MX} - L_{DCLS}$ (for a **grid exit point**)
 - " $L_{MA} = G_{EA} - L_{MI} - L_{DCLS}$ (for a **grid injection point**)
 - " $L_{MA} = L_{MX} - L_{DCLS} - UI_{GEA}$ (for an **intermittent generating station** with a **point of connection** to the **grid** and/or **unoffered generation** from a **generating station** with a **point of connection** to the **grid**)
- "where
- " L_{MA} is the adjusted quantity of **electricity** measured in **MWh** by a **metering installation** at a **grid exit point** or **grid injection point**
 - " L_{MX} is the unadjusted **half-hour metering information** for the

quantity of electricity
measured in MWh at a **grid
exit point**

"L_{MI} is the unadjusted **half-hour
metering information** for the
quantity of electricity
measured in MWh at a **grid
injection point**

"L_{DCLS} is the adjusted **half-hour
metering information** for the
quantity of electricity
measured in MWh used by a
**dispatch-capable load
station** for the **trading
periods** that the **system
operator** listed under clause
13.138B

"G_{EA} is the adjusted **half-hour
metering information** given
to the **pricing manager** under
clause 13.136

"UIG_{EA} is the information given to the
pricing manager under clause
13.137:

"(ii) if any of the **half-hour metering
information** is not available, an **initial
estimate** for each **grid exit point** or
grid injection point:

"(iii) to avoid doubt, each **grid owner** must
provide the **half-hour metering
information** to the **pricing manager**
required under this clause in accordance
with Part 15 for the collection of that
grid owner's volume information:"

(b) after subclause (1)(c), insert:

"(ca) the final submitted **nominated dispatch bid**
for each **trading period** that was provided to
the **pricing manager** by the **system operator**
in accordance with clause 13.63:"

(c) in subclause (1)(e), after "the final information",
insert "provided to the **system operator** by a **grid
owner** under clauses 13.29 to 13.34":

(d) after subclause (1), insert:

"(1A) Each **grid owner** must give the **pricing
manager** the information the **pricing**

manager is required to use under subclause (1)(a)—

- "(a) by 0730 hours on each **trading day**; and
- "(b) for each **trading period** of the previous **trading day**; and
- "(c) in the manner and form agreed by the **pricing manager** and each **grid owner**."

47 Clause 13.146 amended (Requirements if provisional price situation or shortage situation exists)

Amend clause 13.146(4) as follows:

- (a) after "a **generator**", insert "or a **dispatchable load purchaser**";
- (b) replace "**half-hourly**" with "**half-hour**";
- (c) after "the **generator**", insert "or the **dispatchable load purchaser**".

48 Clause 13.147 replaced (Revised data to be accompanied by notice)

Replace clause 13.147 with:

"13.147 Revised data to be accompanied by notice

- "(1) This clause applies to—
 - "(a) a **grid owner**; and
 - "(b) a **generator**; and
 - "(c) the **system operator**; and
 - "(d) a **dispatchable load purchaser**.
- "(2) If a **participant** to which this clause applies gives revised data to the **pricing manager** under clause 13.146, the **participant** must—
 - "(a) **publish** a notice specifying that it has given revised data; and
 - "(b) specify in the notice the revisions that have been made; and
 - "(c) in the case of revised data given in relation to a **SCADA situation**, state in the notice whether a **SCADA situation** continues to exist; and
 - "(d) in the case of revised data given in relation to a **high spring washer price situation**, state in the notice whether the **high spring washer price relaxation factor** has been applied.
- "(3) A **participant** to which this clause applies must comply with subclause (2) within the timeframes specified in clause 13.146(3) as if references to the revised data in clause 13.146(3) are references to a notice under this clause."

49 Clause 13.148 amended (Failure to give revised data and notice not breach)

In clause 13.148, replace "If a **grid owner**, or a **generator**, or the **system operator** fails to give revised data in accordance with clause 13.146 and notice in accordance with clause 13.147 by the time prescribed by those clauses, the failure is not a breach of those clauses if the **grid owner**, or **generator**, or **system operator** (as the case may be) has" with "A **participant** that is listed in clause 13.147(1) does not breach clauses 13.146(3) or 13.147(3) if the **participant** has".

50 Clause 13.149 amended (Pricing manager to publish provisional prices and provisional reserve prices if revised data and notice not given in relation to provisional price situation arising on business day)

Amend clause 13.149 as follows:

- (a) replace "If notice of a **provisional price situation** is given on a **business day**, and a **grid owner**, or a **generator**, or the **system operator** does not give revised data in accordance with clause 13.146 and notice in accordance with clause 13.147 by the time prescribed by those clauses, the **pricing manager** must,—" with:

"(1) This clause applies if—

"(a) a notice of a **provisional price situation** is given on a **business day**; and

"(b) a **participant** that is listed in clause 13.147(1)—

"(i) does not comply with the timeframes specified in clause 13.146(3); or

"(ii) does not comply with the timeframes specified in clause 13.147(3).

"(2) If this clause applies, the **pricing manager** must—":

- (b) in subclause (2)(c), replace "in accordance with" with "under".

51 Clause 13.150 amended (Pricing manager to publish provisional prices and provisional reserve prices if revised data and notice not given in relation to provisional price situation arising on day other than business day)

Amend clause 13.150 as follows:

- (a) replace "If notice of a **provisional price situation** is given on a day other than a **business day**, and a **grid owner**, or a **generator**, or the **system operator** does not give revised data in accordance with clause 13.146 and notice in accordance with clause 13.147, the **pricing manager** must—" with:
 - "(1) This clause applies if—
 - "(a) a notice of a **provisional price situation** is given on a day other than a **business day**; and
 - "(b) a **participant** that is listed in clause 13.147(1),—
 - "(i) does not comply with the timeframes in clause 13.146(3); or
 - "(ii) does not comply with the timeframes in clause 13.147(3).
 - "(2) If this clause applies, the **pricing manager** must—":
- (b) in subclause (2)(c), replace "in accordance with" with "under".

52 Clause 13.152 replaced (Pricing manager to publish interim prices and interim reserve prices if revised data resolves provisional price situation)

Replace clause 13.152 with:

"13.152 Pricing manager to publish interim prices and interim reserve prices if revised data resolves provisional price situation

- "(1) This clause applies if a **participant** that is listed in clause 13.147(1)—
 - "(a) gives revised data in accordance with clause 13.146 (that does not itself give rise to a **provisional price situation**); or
 - "(b) **publishes** a notice in accordance with clause 13.147.
- "(2) If this clause applies, the **pricing manager** must **publish interim prices** and **interim reserve prices** for each **trading period** of the previous **trading day**.
- "(3) The **pricing manager** must **publish** the **interim prices** and **interim reserve prices** by 1200 hours on the day that the revised data and notice were required to be given."

53 Clause 13.154 amended (Grid owner, generators, and system operator to give revised data if provisional prices and provisional reserve prices have been published)

Amend clause 13.154 as follows:

(a) in the heading, after **"generators,"** insert **"dispatchable load purchasers,"**:

(b) replace subclause (1) with:

"(1) This clause applies if the **pricing manager publishes provisional prices and provisional reserve prices** under clause 13.149 or 13.150.

"(1A) If **provisional prices and provisional reserve prices** are **published** in relation to—

"(a) an **infeasibility situation** or a **SCADA situation**, the **grid owner** and, in the case of an **infeasibility situation**, the **system operator**, must use reasonable endeavours to resolve the **provisional price situation** and provide revised data to the **pricing manager**; or

"(b) a **metering situation**, the **grid owner** or the **generator** or the **dispatchable load purchaser** (as the case may be) must provide revised **metering information** in accordance with clause 13.166; or

"(c) a **high spring washer price situation**, the **system operator** must apply the **high spring washer price relaxation factor** in accordance with the **high spring washer price situation methodology** and use reasonable endeavours to provide revised data to the **pricing manager**."

(c) in subclause (2), replace "subclause (1)" with "subclause (1A)".

54 Clause 13.155 amended (Revised data to be accompanied by notice)

Amend clause 13.155 as follows:

(a) replace **"grid owner, or a generator, or the system operator"** with **"participant** that is listed in clause 13.147(1)":

(b) replace **"grid owner, or generator, or system operator (as the case may be)"** with **"participant"**.

55 Clause 13.166 amended (Generator or grid owner to give revised metering information following initial estimate)

Amend clause 13.166 as follows:

- (a) in the heading, replace "**or grid owner**" with "**, grid owner, or dispatchable load purchaser**";
- (b) in subclause (1), replace "13.154(1)(b) applies, the **generator or grid owner**" with "13.154(1A)(b) applies, the **generator, grid owner, or dispatchable load purchaser**";
- (c) in subclause (2),—
 - (i) after "**of a generator**", insert "**or a dispatchable load purchaser**"; and
 - (ii) replace "**half-hourly**" with "**half-hour**"; and
 - (iii) after "**the generator**", insert "**or the dispatchable load purchaser**".

56 New clause 13.189A inserted (Pricing manager to give clearing manager information about dispatch-capable load station from schedule of final prices)

After clause 13.189, insert:

"13.189A Pricing manager to give clearing manager information about dispatch-capable load station from schedule of final prices

- "(1) The pricing manager must give the clearing manager information about the quantity of electricity scheduled in the schedule of final prices for each dispatch-capable load station for each trading period that is both—**
 - "(a) a trading period for which a nominated dispatch bid was submitted for the dispatch-capable load station; and**
 - "(b) a trading period in the billing period that is immediately before the billing period in which the information must be provided under subclause (2).**
- "(2) The pricing manager must provide the information by 1600 hours on the 7th business day of each billing period."**

57 Clause 13.192 amended (Constrained off situations may occur)

After clause 13.192(b), insert:

- "(c) in relation to a dispatched purchaser, the latest dispatch instruction issued by the system operator for the dispatch-capable load station for a trading period is for a MW amount that is less than the MW amount scheduled for the dispatch-**

capable load station in the schedule of final prices for the trading period."

58 Clause 13.194 amended (Clearing manager to calculate constrained off amounts)

(1) In clause 13.194(1),—

- (a) after "**constrained off situation** occurs", insert ", in relation to a **generator**"; and
- (b) delete "in a **billing period**"; and
- (c) replace "in accordance with" with "using".

(2) After clause 13.194(1), insert:

"(1A) If a **constrained off situation** occurs in relation to a **dispatch-capable load station** during a **trading period**, the **clearing manager** must calculate the **constrained off amounts** for each **dispatch-capable load station**, for each affected **nominated dispatch bid** price band, using the following formula:

$$\text{"ConOffAmt}_{\text{disp}} = \text{ConOffQ} * (P_b - P_f)$$

"where

"ConOffAmt_{disp} is the **constrained off amount** for a **dispatch-capable load station** for the **nominated dispatch bid** price band

"ConOffQ is the amount in **MWh** by which Q_{fp} exceeds the highest of Q_{disp} and Q_{rec}

"where

"Q_{fp} is the quantity, in **MWh**, scheduled for the **nominated dispatch bid** price band in the schedule of **final prices**

"Q_{disp} is the latest quantity, in **MWh**, dispatched for the **nominated dispatch bid** price band in the **trading period**

"Q_{rec} is the **reconciled quantity** provided by the **reconciliation manager** under clause 15.20C allocated by the **clearing manager** to the **nominated dispatch bid** price band in the **trading period**

"P_b is the price bid for the **nominated dispatch bid** price band for the **dispatch-capable load station** that was constrained off

"P_f is the **final price** for the **trading period** at the **grid exit point**."

- (3) In clause 13.194(2)(b), before "the ramp rate applying", insert "for an **offer**,".
- (4) In clause 13.194(2)(c), delete "under clause 13.77".

59 Clause 13.196 amended (Calculation of amounts attributable to system operator)

Amend clause 13.196(c) as follows:

- (a) in the definition of TCOFP, replace "that" with "the **generator** for the":
- (b) in the definition of SOQcoffk, after "constrained off" insert "for the **generator**":
- (c) in the definition of TQcoff, after "constrained off", insert "for the **generator**".

60 Clause 13.198 amended (Clearing manager to send constrained off information to system operator)

In clause 13.198(1), replace "clauses 13.194 to" with "clause".

61 Clause 13.199 amended (Clearing manager to publish details of constrained off amounts)

Amend clause 13.199 as follows:

- (a) after "each **generator**", insert "and each **dispatched purchaser**":
- (b) in paragraph (b), after "the **generator**", insert "or **dispatched purchaser** (as the case may be) that was":
- (c) in paragraph (c), replace "block dispatch group" with "or **grid exit point**, or **block dispatch group**".

62 New clause 13.201A inserted (Dispatched purchasers entitled to constrained off compensation and purchasers to pay constrained off compensation)

After clause 13.201, insert:

"13.201A Dispatched purchasers entitled to constrained off compensation and purchasers to pay constrained off compensation

- "(1) A dispatched purchaser in respect of whose dispatch-capable load station there was a**

constrained off situation as described in clause 13.192(c) is entitled to be paid **constrained off compensation** for the **constrained off amounts** calculated under clause 13.194(1A).

- "(2) A **purchaser** that purchases **electricity** at a **grid exit point** must pay **constrained off compensation**, calculated under subclause (6), to the **clearing manager**.
- "(3) The **clearing manager** must pay **constrained off compensation** received under subclause (2)—
 - "(a) in accordance with clauses 14.36 to 14.43; and
 - "(b) for each **dispatch-capable load station**, to the **dispatched purchaser** that purchased **electricity** for the **dispatch-capable load station**.
- "(4) The **clearing manager** must include all **constrained off compensation** payable to a **dispatched purchaser** in relation to a **billing period** in the invoice it issues to the **dispatched purchaser** under clause 14.44(a).
- "(5) The **clearing manager** must pay the **constrained off compensation** it receives under subclause (2) to the **dispatched purchaser** at the same time as any other amount owing under clause 14.46 is payable to the **dispatched purchaser**.
- "(6) The **clearing manager** must calculate and invoice **constrained off compensation** to be paid by each **purchaser** under subclause (2) for each **trading period** using the following formula:

$$\text{"ConOffC}_p = \text{ConOffC}_{\text{DLPs}} * (\text{Pur}_i / \text{TotPur})$$

"where

"ConOffC_p is the **constrained off compensation** payable by a **purchaser**

"ConOffC_{DLPs} is the sum of **constrained off compensation** owing to all **dispatched purchasers** for the **trading period**

"Pur_i is the total quantity in **MWh** of all purchases by the **purchaser** from the **clearing manager** during the **trading period**, as shown by **reconciliation information** calculated by the

reconciliation manager under Part 15

"TotPur is the quantity in **MWh** of all purchases by all **purchasers** from the **clearing manager** during the **trading period**, as shown by **reconciliation information** calculated by the **reconciliation manager** under Part 15."

63 Clause 13.202 amended (Constrained on situations may occur)

After clause 13.202(1)(c), insert:

"(d) in relation to a **dispatched purchaser**, the latest **dispatch instruction** issued by the **system operator** for the **dispatch-capable load station** for a **trading period** is for a **MW** amount that is more than the **MW** amount scheduled for the **dispatch-capable load station** in the schedule of **final prices** for the **trading period**."

64 Clause 13.204 amended (Calculation of constrained on amounts)

Amend clause 13.204(1) as follows:

(a) after paragraph (a), insert:

"(aa) the **clearing manager** must calculate the **constrained on amounts** for a **constrained on situation** described in clause 13.202(1)(d) for each **dispatch-capable load station** for each affected **nominated dispatch bid** price band, using the following formula:

$$\text{"ConOnAmt} = \text{ConOnQ} * (P_t - P_b)$$

"where

"ConOnAmt is the **constrained on amount** for a **dispatch-capable load station** for the **nominated dispatch bid** price band

"ConOnQ is the amount in **MWh** by which the lowest of Q_{disp} and Q_{rec} exceeds Q_{fp}

"where

" Q_{disp} is the latest quantity in **MWh**, dispatched for the **nominated**

- dispatch bid** price band in the trading period
- "Q_{rec} is the **reconciled quantity** provided by the **reconciliation manager** under clause 15.20C allocated by the **clearing manager** to the **nominated dispatch bid** price band in the trading period
- "Q_{fp} is the quantity, in MWh, scheduled for the **nominated dispatch bid** price band in the schedule of **final prices**
- "P_f is the **final price** for the trading period at the **grid exit point**
- "P_b is the price bid for the **nominated dispatch bid** price band for the **dispatch-capable load station** that was constrained on; and":
- (b) in paragraph (b)(ii), before "the ramp rate", insert "for an **offer**".

65 Clause 13.205 amended (Calculation of constrained on amounts attributable to system operator)

Amend clause 13.205 as follows:

- (a) after "each **generator** or", insert "each":
- (b) in paragraph (c),—
- (i) in the definition of TCONP, replace "that" with "the **generator** for the"; and
- (ii) in the definition of SOQconfk, after "constrained on", insert "for the **generator**"; and
- (iii) in the definition of TQcon, after "constrained on", insert "for the **generator**".

66 Clause 13.208 amended (Clearing manager to publish details of constrained on amounts)

Amend clause 13.208 as follows:

- (a) replace "and **ancillary service agent**" with "**, ancillary service agent, and dispatched purchaser**";
- (b) in paragraph (b), replace "or **ancillary service agent**" with "**, ancillary service agent, or dispatched purchaser** (as the case may be) that was":

- (c) in paragraph (c), replace "**point of connection** on the **grid, block dispatch group**" with "**grid injection point, grid exit point, block dispatch group,**".

67 **Clause 13.212 amended (Payment of constrained on compensation)**

Amend clause 13.212 as follows:

- (a) replace subclause (1) with:

"(1) For each **trading period,**—

"(a) a **generator** or **ancillary service agent** is entitled to be paid **constrained on compensation** for **constrained on amounts** determined under clauses 13.204 and 13.205; and

"(b) a **dispatched purchaser** is entitled to be paid **constrained on compensation** for **constrained on amounts** determined under clause 13.204.

"(1A) **Constrained on compensation** for each **dispatch-capable load station** must be paid to the **dispatched purchaser** that purchased **electricity** for the **dispatch-capable load station.**"

- (b) in subclause (3),—

(i) replace "**Any constrained**" with "**Constrained**"; and

(ii) replace "**or ancillary service agent** in relation to" with "**ancillary service agent, or dispatched purchaser** for"; and

(iii) replace "**or ancillary service agent** by" with "**ancillary service agent, or dispatched purchaser** by":

- (c) in subclause (4), replace "**or ancillary service agent** at the same time as any other amounts owing to that **generator, or ancillary service agent**" with "**ancillary service agent, or dispatched purchaser** at the same time as any other amounts owing to the **generator, the ancillary service agent, or the dispatched purchaser**":

- (d) replace subclause (5) with:

"(5) Each **purchaser** that purchases **electricity** at a **grid exit point** must pay **constrained on compensation**, calculated under subclause (7), to—

"(a) each **generator** that generated **electricity** at a **grid injection point**; and

- "(b) each **dispatched purchaser**.
- "(5A) A payment under subclause (5) must be made in accordance with clauses 14.36 to 14.43.":
- (e) in subclause (7),—
- (i) replace "**trading period** in accordance with" with "**trading period** using"; and
 - (ii) in the definition of COC_g , replace "**generators injecting electricity** for that **trading period** calculated in accordance with clause 13.204" with "**all generators and all dispatched purchasers** for the **trading period** calculated in accordance with clause 13.204(1)(a) and 13.204(1)(aa)".
- 68 Schedule 13.1, Form 4 replaced**
In Schedule 13.1, replace Form 4 with the form that is set out in Schedule 1 of this amendment.
- 69 Schedule 13.3, clause 1 amended**
In Schedule 13.3, replace clause 1(2) with:
- "(2) Schedules covering more than 1 **trading period** must be prepared for each **trading period** independently of the previous **trading period** unless otherwise specified in this Schedule.
- "(2A) Despite subclause (2), a **price-responsive schedule** and **non-response schedule** must use the scheduled generation at the end of the previous **trading period** as the expected output for the purpose of clause 9A(b)."
- 70 Schedule 13.3, clause 2 amended**
In Schedule 13.3, clause 2(c), replace "13.68" with "13.71".
- 71 Schedule 13.3, clause 6 amended**
- (1) In Schedule 13.3, replace clause 6(a) with:

"(a) the final information for each **real time pricing period** provided to the **system operator** under subpart 1 of Part 13, including—

 - "(i) **offers** revised under clause 13.19; and
 - "(ii) **nominated dispatch bids** revised under clause 13.19A; and
 - "(iii) **reserve offers** revised under clause 13.47; and
 - "(iv) information updated under clause 13.34(1); and".
 - (2) In Schedule 13.3, clause 6(c), after "**grid exit point**", insert ", excluding the **MW demand** at each **dispatch-**

capable load station for which a **nominated dispatch bid** is submitted at the **grid exit point**,".

72 Schedule 13.3, clause 7 amended

In Schedule 13.3, amend clause 7 as follows:

- (a) replace paragraph (b) with:
"the quantities specified in **nominated bids** (clause 13.7 and 13.7AA) and the quantities specified in revised **nominated bids** (clause 13.19A); and";
- (b) in paragraph (i), delete "(clause 13.69)".

73 Schedule 13.3, clause 8 amended

In Schedule 13.3, clause 8(1), in each place where it appears, replace "the forecast of **demand** prepared under clause 13.7A" with "the forecast prepared under clause 13.7A(1)".

74 Schedule 13.3, clause 9 amended

In Schedule 13.3, amend clause 9 as follows:

- (a) replace "constraints under this clause and clauses 10, 11, and 12 are met (to an accuracy specified in the **model formulation**):" with "following constraints are met to an accuracy specified in the **model formulation**:";
- (b) revoke paragraph (a);
- (c) after paragraph (a), insert:
 - "(b) each constraint relating to **generation** set out in clause 9A:
 - "(c) the constraint relating to **demand** set out in clause 10:
 - "(d) each constraint relating to the transmission system set out in clause 11:
 - "(e) each constraint relating to **instantaneous reserve** set out in clause 12."

75 Schedule 13.3, new clause 9A inserted

In Schedule 13.3, after clause 9, insert:

"9A Constraints relating to generation

The constraints for the purpose of clause 9(b) are that—

- "(a) for each price band, the modelling system does not schedule **electricity** generation that would result in the scheduled quantity of **electricity** to be generated by a **generator** being greater than the quantity offered by the **generator** for the price band; and
- "(b) the modelling system schedules **electricity** generation for each **generating unit** or

generating station in a **trading period** within the offered maximum ramp up and ramp down rates of the **generating unit** or **generating station**, given the expected (or actual) output at the start of the **trading period**."

76 Schedule 13.3, clause 10 replaced

In Schedule 13.3, replace clause 10 with:

"10 Constraint relating to demand

The constraint relating to **demand** for the purpose of clause 9(c) is that, for each price band, the modelling system does not schedule **electricity demand** that would result in the scheduled quantity of **demand** being greater than the quantity bid by the **purchaser** for the price band."

77 Schedule 13.3, clause 11 amended

In Schedule 13.3, in the heading to clause 11, replace "The" with "**Constraints relating to**".

78 Schedule 13.3, clause 12 amended

In Schedule 13.3, replace the heading to clause 12 with:

"12 Constraints relating to instantaneous reserve".

79 Schedule 13.3, clause 15 amended

In Schedule 13.3, amend clause 15 as follows:

(a) after paragraph (a), insert:

"(aa) the final submitted **nominated dispatch bid** for each **trading period** as specified in clause 13.141(1)(ca); and";

(b) in paragraph (e), delete "that became the **dispatch schedule**".

80 Schedule 13.7, clause 3 amended

In Schedule 13.7, clause 3(2), delete "of **demand**".

81 New Schedule 13.8 inserted

After Schedule 13.7, insert Schedule 13.8, which is set out in Schedule 2 of this amendment.

82 Clause 14.34 amended (Purchase for offtake through local network by embedded generator)

Replace clause 14.34(2) with:

"(2) The price payable by the **purchaser** for such **electricity** is the sum of—

"(a) the **final price** for the relevant **trading period** for that **point of connection**; and

- "(b) any **constrained off compensation** owing in respect of that **trading period**; and
- "(c) any **constrained on compensation** owing in respect of that **trading period**."

83 Clause 14.35 amended (Setting price and quantity)

Amend clause 14.35 as follows:

- (a) replace "15.21" with "15.20A";
- (b) after "13.185", insert ", and **constrained off compensation**";
- (c) replace "13.202 to 13.211" with "13.192 to 13.212".

84 Clause 14.36 amended (Issue of invoices)

Amend clause 14.36 as follows:

- (a) replace clause 14.36(1) with:
 - "(1) The **clearing manager** must issue an invoice to each **purchaser** no later than 2 **business days** after the **clearing manager** has received from the **reconciliation manager**, in respect of the prior **billing period**, both—
 - "(a) **reconciliation information** in accordance with clause 28(c) of Schedule 15.4; and
 - "(b) **dispatchable load information** under clause 15.20C(a).";
- (b) in subclause (4),—
 - (i) after "receives revised **reconciliation information**", insert "or revised information under clause 15.20C"; and
 - (ii) replace "that revised **reconciliation information**" with "the revised information".

85 Clause 14.37 amended (Payment of invoices)

In clause 14.37(1), replace "within 2 **business days** of receiving **reconciliation information** from the **reconciliation manager**" with "by the time specified in clause 14.36(1)".

86 Clause 14.40 amended (Content of invoices)

Amend clause 14.40 as follows:

- (a) in paragraph (a) in the definition of Q_b , after "**reconciliation information**", insert "and summarised and loss adjusted **dispatchable load information**";
- (b) replace paragraph (b) with:
 - "(b) the amount to be debited for—

- "(i) **constrained off compensation** calculated in accordance with clause 13.201A(6); and
- "(ii) **constrained on compensation** calculated in accordance with clause 13.212(7)";
- (c) in paragraph (c), after "14.64(13) or (14)", insert "15.20C(b)".

87 Clause 14.45 amended (Content of pro forma invoice)

Amend clause 14.45 as follows:

- (a) replace paragraph (b) with:
 - "(b) **constrained on compensation** being—
 - "(i) **constrained on amounts** for the relevant **generator** calculated in accordance with clause 13.204(1)(a) less any **constrained on amounts** calculated in accordance with clause 13.205; and
 - "(ii) **constrained on amounts** for the relevant **dispatched purchaser** calculated in accordance with clause 13.204(1)(aa):
 - "(ba) **constrained off compensation** being **constrained off amounts** calculated in accordance with clause 13.194(1A)";
- (b) in paragraph (c), after "14.64(13) or (14)", insert "15.20C(b)".

88 Clause 14.47 amended (Clearing manager to prioritise payment of funds)

Amend clause 14.47 as follows:

- (a) in paragraph (a), after "payments to **generators**", insert "and **purchasers**";
- (b) replace paragraph (d) with:
 - "(d) to satisfy any amounts due to—
 - "(i) **generators** determined under clause 14.45, excluding any amounts specified for **ancillary services** in accordance with clause 14.45(e); and
 - "(ii) **purchasers** in relation to—
 - "(A) **constrained on compensation** determined under clause 14.45(b)(ii); and
 - "(B) **constrained off compensation** determined under clause 14.45(ba)—".

89 Clause 14.49 amended (Inadequate funds reduces amounts paid to generators)

(1) In the heading to clause 14.49, after "**generators**", insert "**and dispatched purchasers**".

(2) Amend clause 14.49 as follows:

(a) in paragraph (a)—

(i) after "payment to each **generator**", insert ", and to each **dispatched purchaser** to which **constrained on compensation** or **constrained off compensation** is payable,"; and

(ii) in the definition of InvG, after "**generator**", insert "or **dispatched purchaser** (as the case may be)"; and

(iii) in the definition of TotInvG, after "**generators**", insert ", and to all **dispatched purchasers** to which **constrained on compensation** or **constrained off compensation** is payable,";

(b) replace paragraph (b)(ii) with:

"(ii) by reducing, on a pro rata basis,—

"(A) **constrained on compensation** determined in accordance with clause 14.45(b); and

"(B) **constrained off compensation** determined under clause 14.45(ba):".

90 Clause 14.50 amended (Interest is payable to generators)

(1) In the heading to clause 14.50, after "**generators**", insert "**and dispatched purchasers**".

(2) Amend clause 14.50(1) as follows:

(a) after "a **generator**", insert "or a **dispatched purchaser**";

(b) after "the **generator**", insert "or the **dispatched purchaser**".

91 Clause 14.52 amended (Payer to remain in default)

Replace clauses 14.52(a) and (b) with:

"(a) satisfy the obligation of the **payer** to pay the full amount invoiced together with the interest due on that amount to—

"(i) the **clearing manager**; or

"(ii) the **generators** acting in accordance with clause 14.54; or

"(iii) the **dispatched purchasers** acting in accordance with clause 14.54; or

"(b) prejudice any remedies available to—

- "(i) the **clearing manager** in an event of **default**; or
- "(ii) the **generators**, under clause 14.54; or
- "(iii) the **dispatched purchasers** under clause 14.54."

92 Clause 14.54 amended (Generators assigned or subrogated to all clearing manager's rights of recovery)

- (1) In the heading to clause 14.54, after "**Generators**", insert "**and dispatched purchasers**".
- (2) Amend clause 14.54 as follows:
 - (a) replace "pay **generators**" with "pay a **generator** or a **dispatched purchaser**":
 - (b) replace "them so that any amount paid to **generators**" with "the **generator** or **dispatched purchaser** so that any amount paid to the **generator** or **dispatched purchaser**":
 - (c) replace "**generators** are entitled" with "**generator** or the **dispatched purchaser** is entitled":
 - (d) replace "for the **generators**" with "for the **generator** or **dispatched purchaser**":
 - (e) replace "the **generators**, to assist the **generators**" with "a **generator** or a **dispatched purchaser** (as the case may be), to assist the **generator** or **dispatched purchaser**":
 - (f) replace "The **generators**" with "The **generator** or **dispatched purchaser**".

93 Clause 14.63 amended (Rights of generators to exercise rights)

- (1) In the heading to clause 14.63, after "**generators**" insert "**and dispatched purchasers**".
- (2) In clause 14.63(1), replace "Any 1 or more of the **generators**" with "A **generator** or a **dispatched purchaser**".

94 Clause 14.64 amended (Invoice disputes)

In clause 14.64(14)(b), in each place where it appears, after "**submission information**", insert "or **dispatchable load information**".

95 Clause 15.1 amended (Contents of this Part)

After clause 15.1(d), insert:

- "(da) how **dispatchable load purchasers** must collect **volume information** in accordance with Schedule 15.2:".

96 **Clause 15.5 amended (Preparing and submitting submission information)**

Replace clause 15.5(2) with:

"(2) Each **reconciliation participant** must derive **volume information** in accordance with Schedule 15.2."

97 **New clauses 15.5A to 15.5D inserted**

After clause 15.5, insert:

"15.5A Dispatchable load purchaser must prepare dispatchable load information

"(1) Each **dispatchable load purchaser** must prepare **dispatchable load information**.

"(2) Unless clause 15.5B applies, in preparing **dispatchable load information**, the **dispatchable load purchaser** must use **volume information** prepared under Schedule 15.2.

"15.5B Deriving volume information if metering installation is within premises that are connected to a point of connection

"(1) This clause applies if a **dispatch-capable load station's metering installation** is not at a **point of connection** but is located within premises that are directly connected to a **point of connection**.

"(2) If this clause applies, the **dispatchable load purchaser** must prepare **dispatchable load information** using **volume information** derived from the **raw meter data**—

"(a) obtained from the **metering installation**; and

"(b) that the **dispatchable load purchaser** has adjusted, using an accurate **compensation factor**, to compensate for internal site losses between the **metering installation** and—

"(i) if the premises are directly connected to a **point of connection** to the **grid**, the **point of connection** to the **grid**; or

"(ii) if the premises are directly connected to a **point of connection** to a **local network**, the **point of connection** to the **local network**; or

"(iii) if the premises are directly connected to a **point of connection** to an **embedded network**, the **point of connection** to the **embedded network**.

"(3) For the purpose of this clause, a **dispatchable load purchaser** must have a **certified metering**

installation for each of its **dispatch-capable load stations**.

"15.5C Aggregating and rounding dispatchable load information

- "(1) When preparing **dispatchable load information**, a **dispatchable load purchaser** must—
 - "(a) aggregate **volume information** to the following level:
 - "(i) **NSP code**;
 - "(ii) **dispatch-capable load station identifier**;
 - "(iii) **loss category code**;
 - "(iv) **trading period**; and
 - "(b) round the aggregated **volume information**—
 - "(i) to 2 decimal places; and
 - "(ii) so that if the digit to the right of the second decimal place is—
 - "(A) greater than or equal to 5, the second digit is rounded up; or
 - "(B) less than 5, the second digit is unchanged.
- "(2) When aggregating **volume information** for a **dispatch-capable load station** to the **NSP**, the **dispatchable load purchaser** must use the **NSP code** as shown on the **registry** at the time the **volume information** is derived.

"15.5D Dispatchable load information to be delivered to reconciliation manager

- "(1) Each **dispatchable load purchaser** must provide to the **reconciliation manager**—
 - "(a) **dispatchable load information** for each **GXP** at which the **dispatchable load purchaser** has purchased **electricity** for a **dispatch-capable load station** during the **consumption period** immediately before each **reconciliation period**; and
 - "(b) if the **dispatchable load purchaser** knows that **dispatchable load information** previously provided has changed, revised **dispatchable load information** for the **consumption period** for which the **dispatchable load information** was initially provided.
- "(2) Each **dispatchable load purchaser** must provide—

- "(a) the information described in subclause (1)(a) by 1600 hours on the 4th **business day** of each **reconciliation period**; and
- "(b) the information described in subclause (1)(b) by 1600 hours on the 13th **business day** of each **reconciliation period**."

98 Clause 15.12 amended (Accuracy of submitted information)

In clause 15.12, after "in accordance with clauses", insert "15.20A,".

99 New cross heading and clauses 15.20A to 15.20D inserted

After clause 15.20, insert:

"Reconciliation manager processes dispatchable load information and provides it to clearing manager"

"15.20A Reconciliation manager to update revised dispatchable load information"

"(1) This clause applies to any revised **dispatchable load information** provided under clause 15.5D(1)(b).

"(2) The **reconciliation manager** must,—

"(a) if the **dispatchable load information** to which this clause applies relates to 1 or more **consumption periods** being 1, 3, 7, or 14 months before the current **reconciliation period**, conduct a further update for each applicable **consumption period**; or

"(b) if the **dispatchable load information** to which this clause applies relates to a **consumption period** other than the **consumption periods** set out in paragraph (a),—

"(i) store the **dispatchable load information** until the **consumption period** becomes 1 of the **consumption periods** set out in paragraph (a); and

"(ii) conduct a further update under paragraph (a).

"(3) The **reconciliation manager** must not update revised **dispatchable load information** for a **consumption period** if 14 months have elapsed since the end of the **consumption period**.

"(4) Subclause (3) does not prevent the correction of information under clauses 14.64, 15.26(2), or 15.29.

"15.20B Reconciliation manager loss adjusts and summarises dispatchable load information

- "(1) The **reconciliation manager** must apply **loss factors** to **dispatchable load information** received under clause 15.5D—
- "(a) for each **trading period**; and
 - "(b) using the **loss category** codes advised by the **dispatchable load purchaser** when submitting **dispatchable load information** under clause 15.5D.
- "(2) After applying **loss factors** under subclause (1), the **reconciliation manager** must summarise—
- "(a) into 1 file for each **consumption period, dispatchable load information** received under clause 15.5D(1)(a); and
 - "(b) into 1 file for each **consumption period, dispatchable load information** received under clause 15.5D(1)(b) and updated under clause 15.20A.
- "(3) The **Authority** may direct the **reconciliation manager** to apply specified values for **loss factors** for each **loss category** for a **reconciliation period** for which the **registry** does not provide the **reconciliation manager** with the **loss factors** for each **loss category** in accordance with clause 11.26(b).
- "(4) If the **Authority** makes a direction under subclause (3), the **reconciliation manager** must apply the values as **loss factors** to the relevant **dispatchable load information** for all **reconciliation periods** during which the direction applies.

"15.20C Reconciliation manager to provide loss adjusted and summarised dispatchable load information to clearing manager

The **reconciliation manager** must provide to the **clearing manager**—

- "(a) the information described in clause 15.20B(2)(a) by 1600 hours on the 7th **business day** of each **reconciliation period**; and
- "(b) the information described in clause 15.20B(2)(b) by 1200 hours on the last **business day** of each **reconciliation period**.

"15.20D Reconciliation manager to provide loss adjusted and summarised dispatchable load information to dispatchable load purchasers

At the same time the **reconciliation manager** provides the information described in clause 15.20C to the **clearing manager**, the **reconciliation manager** must provide each **dispatchable load purchaser** with the part of the information that relates to the **dispatchable load purchaser**."

100 Clause 15.29 amended (Volume information disputes)

In clause 15.29(12)(b), in each place where it appears, after "**submission information**", insert "**or dispatchable load information**".

101 Clause 15.38 amended (Functions requiring certification)

(1) After clause 15.38(1)(c)(iii), insert:

"(iv) **dispatchable load information**:".

(2) After clause 15.38(1), insert:

"(1A) A **dispatchable load purchaser** must obtain and maintain **certification** in accordance with Schedule 15.1 in order to be permitted to perform, or to have performed by way of an agent or agents, any of the following functions in compliance with this Code:

"(a) gathering and storing **raw meter data**:

"(b) creating and managing (including validating, estimating, storing, correcting, and archiving)—

"(i) **half hour volume information**; or

"(ii) **non half hour volume information**; or

"(iii) **half hour and non half hour volume information**; or

"(iv) **dispatchable load information**:

"(c) providing **dispatchable load information**:".

102 Schedule 15.2, clause 15 amended

In Schedule 15.2, clause 15(1), after "**submission information**" insert "**or dispatchable load information**".

Schedule 1
New Form 4 inserted

cl 68

"Form 4

"Purchaser's nominated bid for electricity

"Date: _____

"Purchaser: _____

"Grid Exit Point: _____

"Trading Period: _____ starting at _____ : _____ 0 hours

"Type of bid: Nominated dispatch bid ☐
 Nominated non-dispatch bid ☐

"Dispatch-capable load station identifier (if applicable): _____

"Nominated bid to buy electricity

"Band 1: **From 0 MW to** _____ **MW below \$** _____ **per MWh**

"Band 2: **plus** _____ **MW below \$** _____ **per MWh**

"Band 3: **plus** _____ **MW below \$** _____ **per MWh**

"Band 4: **plus** _____ **MW below \$** _____ **per MWh**

"Band 5: **plus** _____ **MW below \$** _____ **per MWh**

"Band 6: **plus** _____ **MW below \$** _____ **per MWh**

"Band 7: **plus** _____ **MW below \$** _____ **per MWh**

"Band 8: **plus** _____ **MW below \$** _____ **per MWh**

"Band 9: **plus** _____ **MW below \$** _____ **per MWh**

"Band 10: **plus** _____ **MW below \$** _____ **per MWh**

Schedule 2
New Schedule 13.8 inserted

cl 81

"Schedule 13.8 cl 1.1, 13.3A, 13.3B
"Approval of dispatch-capable load station

"1 Applications for approval

Each application for approval for a **dispatch-capable load station** must—

- "(a) be in writing; and
- "(b) list a device or a group of devices that the applicant wishes to have approved as a **dispatch-capable load station**; and
- "(c) include information to enable the **system operator** to determine the application.

"2 System operator to provide application to Authority and advise others of application

On receipt of an application, the **system operator** must—

- "(a) provide a copy of the application to the **Authority**; and
- "(b) advise the following **participants** that it has received the application:
 - "(i) the relevant **grid owner**;
 - "(ii) the **distributor** from whose **network** the **dispatch-capable load station** draws electricity;
 - "(iii) the **pricing manager**;
 - "(iv) the **clearing manager**;
 - "(v) the **reconciliation manager**;
 - "(vi) the wholesale information trading system provider.

"3 Factors that system operator must consider

"(1) Before the **system operator** approves a device or a group of devices to be a **dispatch-capable load station**, it must consider—

- "(a) the effect an approval would have on the **system operator's** ability to comply with the **PPOs**; and
- "(b) whether the applicant—
 - "(i) is able to provide real time indications and measurements to the satisfaction of the **system operator**; and
 - "(ii) has in place communication systems that meet the **system operator's** requirements; and
 - "(iii) is able to receive **dispatch instructions**; and

- "(c) whether there is a substantial risk that a **dispatch instruction** that changes the level of load of the device or group of devices that is the subject of the application may be offset by changes in **demand** in the same **trading period** from other load controlled by the applicant; and
 - "(d) whether the device or group of devices is technically capable of complying with a **dispatch instruction** so that it does not adversely affect the **system operator's** ability to comply with the **PPOs**; and
 - "(e) any other matter the **system operator** reasonably considers relevant.
- "(2) In making a decision under subclause (1), the **system operator** must—
- "(a) ask the **Authority** for the **Authority's** view; and
 - "(b) consider the **Authority's** view.
- "4 System operator may request additional information**
- "(1) Subclauses (2) and (3) apply to—
- "(a) a **participant** that has applied to the **system operator** to have a device or a group of devices approved as a **dispatch-capable load station**; and
 - "(b) a **purchaser** that has a **dispatch-capable load station** that has been approved.
- "(2) The **system operator** may request a **participant** to which this clause applies to provide additional information.
- "(3) The **participant** must provide the requested information to the **system operator**.
- "(4) As soon as practicable after receiving the requested information, the **system operator** must provide a copy of the information to the **Authority**.
- "5 Applicant may withdraw or amend application at any time**
- "(1) An applicant may, at any time, amend or withdraw an application.
- "(2) An applicant must make an amendment or withdrawal—
- "(a) in writing; and
 - "(b) by submitting it to the **system operator**.
- "(3) An amendment or a withdrawal takes effect from the date of receipt by the **system operator**.
- "(4) As soon as practicable after receiving an amendment or a withdrawal, the **system operator** must—
- "(a) provide the amendment or withdrawal to the **Authority**; and
 - "(b) advise all **participants** listed in clause 2(b) of the amendment or withdrawal.

"6 System operator's decision

- "(1) The **system operator** must decide whether to—
 - "(a) approve an application; or
 - "(b) decline an application.
- "(2) If the **system operator** decides to approve an application, the **system operator** must assign a **dispatch-capable load station identifier** to each approved **dispatch-capable load station**.
- "(3) The **system operator** must, as soon as practicable after making a decision, advise the parties listed in subclause (4) in writing of—
 - "(a) the decision; and
 - "(b) if the decision is to approve the application, any conditions that apply to the approval; and
 - "(c) the **system operator's** reasons for the decision.
- "(4) For the purpose of subclause (3), the **system operator** must advise the following parties:
 - "(a) the applicant;
 - "(b) the **Authority**;
 - "(c) all **participants** listed in clause 2(b).

"7 System operator may impose conditions

- "(1) The **system operator** may impose conditions on any approval it grants under this Schedule.
- "(2) Conditions may include, but are not limited to, 1 or more of the following:
 - "(a) a requirement that the applicant has in place real time indications and measurements to the satisfaction of the **system operator**;
 - "(b) a requirement that the applicant has in place a system for communicating with the **system operator** to the satisfaction of the **system operator**;
 - "(c) a requirement that the applicant performs tests of load controlling systems on a regular basis.

"8 Timeframe for decision

- "(1) The **system operator** must make a decision under clause 6(1)—
 - "(a) within 20 **business days** after—
 - "(i) the date on which the **system operator** receives the application; or
 - "(ii) if the application is amended under clause 5, the date on which the **system operator** receives the amendment; or
 - "(b) within any other period of time that has been agreed by the applicant and the **system operator**.
- "(2) Despite subclause (1), if the **system operator** requests additional information from the applicant under clause 4,

the timeframes in subclause (1) are extended by the number of days the applicant takes to provide the additional information.

"9 Effect of approval

- "(1) When approving an application for a **dispatch-capable load station**, the **system operator** must specify a date from which the approval takes effect.
- "(2) The **system operator** must not set a date from which an approval takes effect that is earlier than 10 **business days** after the date on which the approval was granted.
- "(3) An approval of a **dispatch-capable load station** takes effect from the date specified in the approval.

"10 System operator may amend, revoke, or suspend approval

- "(1) The **system operator** may, at its own discretion or on the request of the **Authority** or a **dispatchable load purchaser**,—
 - "(a) amend an approval; or
 - "(b) revoke an approval; or
 - "(c) suspend an approval.
- "(2) An amendment takes effect from—
 - "(a) the date it is made; or
 - "(b) a later date specified by the **system operator**.
- "(3) A revocation takes effect from—
 - "(a) the date it is made; or
 - "(b) a later date specified by the **system operator**.
- "(4) A suspension—
 - "(a) takes effect from—
 - "(i) the date it is made; or
 - "(ii) a later date specified by the **system operator**;and
 - "(b) remains in effect until a date specified by the **system operator**.

"11 System operator to give reasons for amending, revoking, or suspending approval

As soon as practicable after the **system operator** amends, revokes, or suspends a **dispatchable load purchaser's** approval, the **system operator** must advise the **purchaser**, the **Authority**, and all **participants** listed in clause 2(b) of—

- "(a) the revocation, suspension, or amendment; and
- "(b) the reasons for the revocation, suspension, or amendment.

"12 Authority to keep register of all current approvals

- "(1) The **Authority** must keep a register of all current approvals—
- "(a) granted under this Schedule; and
 - "(b) that have been notified to the **Authority** by the **system operator**.
- "(2) The **Authority** must keep the register available for public inspection free of charge—
- "(a) at its offices, during normal office hours; and
 - "(b) on its website, at all reasonable times.
- "(3) The register must state, for each approval granted,—
- "(a) the name of the applicant; and
 - "(b) the name of the **dispatch-capable load station**; and
 - "(c) the **dispatch-capable load station identifier**; and
 - "(d) the date from which the approval takes effect; and
 - "(e) any conditions."

Explanatory Note

This note is not part of the amendment, but is intended to indicate its general effect.

This amendment (except for clause 4) comes into force at 13:30 on 15 May 2014. The amendment amends Parts 1, 13, 14, and 15 of the Electricity Industry Participation Code 2010 to implement a dispatchable demand proposal, to enable demand-side participants at GXPs to respond to wholesale market conditions by electing to bid load to be dispatched.

Clause 4 of this amendment comes into force on 30 April 2014, and revokes the Electricity Industry Participation (Dispatchable Demand) Code Amendment 2011 and the Electricity Industry Participation (Dispatchable Demand) Code Amendment 2011, Amendment 2013.

Date of notification in the *Gazette*: 12 December 2013