National Electricity Rules Version 21

Status Information

This is a draft consolidation based on the latest electronically available version of the National Electricity Rules as at 1 July 2008.

This draft consolidated version of the National Electricity Rules includes the following draft amendment:

Draft National Electricity Amendment (Compensation Arrangements under Administered Pricing) Rule 2008

This version of the National Electricity Rules only contains the Chapters of the National Electricity Rules that are amended by the draft Rule.

This version of the National Electricity Rules is provided for information purposes only. The Australian Energy Market Commission does not guarantee the accuracy, reliability or completeness of this draft consolidated version. The Draft National Electricity Amendment (Compensation Arrangements under Administered Pricing) Rule 2008 is published separately on the website of the Australian Energy Market Commission.
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3. **Market Rules**

3.1 **Introduction to Market Rules**

3.1.1 **Purpose**

This Chapter sets out the procedures which govern the operation of the *market* relating to the wholesale trading of electricity and the provision of *ancillary services* and includes provisions relating to:

(a) *prudential requirements* to be met for participation in the *market*;

(b) the operation of the *spot market*;

(c) bidding and *dispatch*;

(d) *spot price* determination;

(d1) the determination of *ancillary service prices*;

(e) *NEMMCO* clearing house and trading functions;

(f) *market* information requirements and obligations;

(g) the conditions and procedures for *market suspension*; and

(h) *settlements*.

3.1.2 [Deleted]

3.1.3 [Deleted]

3.1.4 **Market design principles**

(a) This Chapter is intended to give effect to the following market design principles:

(1) minimisation of *NEMMCO* decision-making to allow *Market Participants* the greatest amount of commercial freedom to decide how they will operate in the *market*;

(2) maximum level of *market* transparency in the interests of achieving a very high degree of *market* efficiency;

(3) avoidance of any special treatment in respect of different technologies used by *Market Participants*;

(4) consistency between *central dispatch* and pricing;

(5) equal access to the market for existing and prospective *Market Participants*;
(6) ancillary services should, to the extent that it is efficient, be acquired through competitive market arrangements and as far as practicable determined on a dynamic basis. Where dynamic determination is not practicable, competitive commercial contracts between NEMMCO and service providers should be used in preference to bilaterally negotiated arrangements;

(7) the power of direction to provide ancillary services as a last resort to ensure system security should not be affected by the competitive market arrangements;

(8) where arrangements require participants to pay a proportion of NEMMCO costs for ancillary services, charges should where possible be allocated to provide incentives to lower overall costs of the national electricity market. Costs unable to be reasonably allocated this way should be apportioned as broadly as possible whilst minimising distortions to production, consumption and investment decisions; and

(9) where arrangements provide for NEMMCO to dispatch or procure an ancillary service, NEMMCO should be responsible for settlement of the service.

(a1) NEMMCO must review, prepare and publish a report on:

(1) [Deleted]

(2) the operation and effectiveness of the spot market for market ancillary services within the overall central dispatch and any recommendations for their improvement, including:

(i) simplification of the arrangements for the provision of market ancillary services; and

(ii) improving the determination of market ancillary services requirements;

(3) the potential future implementation of a usage market for market ancillary services whilst retaining an enabling market to assist NEMMCO with its obligations with respect to system security; and

(4) the provision of network control ancillary services including:

(i) a review of the responsibilities of NEMMCO and Transmission Network Service Providers for the provision of reactive power support;

(ii) a review of the formulation of those generic network constraints within central dispatch that are dependant on the provision of network control ancillary services; and

(iii) a program to assess the potential implementation of market mechanisms for the recruitment and dispatch of NCAS.
(a2) In conducting the reviews under clause 3.1.4(a1), NEMMCO must:

(1) seek and take account of the opinion of the Reliability Panel on matters to be considered in, and the draft conclusions of, the review set out in clause 3.1.4(a1)(1);

(2) [Deleted]

(3) publish a program for the conduct of the reviews within three months of the market ancillary services commencement date;

(4) take into account when setting the program of the reviews the need to balance the benefit of utilising the results of other reviews or market experience and the need to progress market development;

(5) use the Rules consultation procedures in conducting each review;

(6) publish a review outline and indicative timelines at the commencement of each review;

(7) complete each review and deliver to the AEMC a report of the findings and recommendations of the review within 12 months of the commencement of the review; and

(8) deliver to the AEMC within 3 months of the conclusion of each review any proposed Rule changes required to implement the recommendations of the review.

(b) This Chapter is not intended to regulate anti-competitive behaviour by Market Participants which, as in all other markets, is subject to the relevant provisions of the Trade Practices Act, 1974 and the Competition Codes of participating jurisdictions.

### 3.1.5 Time for undertaking action

The provisions of clause 1.7.1(l) do not apply to this Chapter and, under the provisions of this Chapter, an event which is required to occur on or by a stipulated day must occur on or by that day whether or not a business day.

### 3.2 NEMMCO’s Market Responsibilities

#### 3.2.1 Market functions of NEMMCO

(a) NEMMCO must operate and administer the market in accordance with this Chapter.

(b) NEMMCO must establish, maintain and publish a register of all current Market Participants.

(c) NEMMCO must:
(1) establish procedures for consultation with Registered Participants in respect of the manner in which NEMMCO fulfils its functions and obligations under the Rules; and

(2) publish annually performance indicators to monitor NEMMCO’s performance in respect of its market management functions.

3.2.2 Spot market

NEMMCO must do all things necessary to operate and administer a spot market for the sale and purchase of electricity and market ancillary services in accordance with this Chapter including:

(a) the provision of facilities for the receipt and processing of dispatch bids, dispatch offers and market ancillary service offers for the spot market;

(b) the management of a centralised national dispatch process, including the publication of pre-dispatch schedules and spot price forecasts;

(c) the determination and publication of spot prices at each regional reference node for each trading interval;

(c1) the determination and publication of ancillary service prices at each regional reference node for each dispatch interval;

(d) the compilation and publication of spot market trading statistics;

(e) the identification of regions and regional reference nodes for spot price and ancillary service price determination;

(f) the determination and publication of inter-regional loss factors and intra-regional loss factors;

(g) the suspension of the spot market under conditions prescribed in rule 3.14; and

(h) the collection and dissemination of information necessary to enable the market to operate efficiently.

3.2.3 Power system operations

(a) Subject to Chapter 4, NEMMCO must manage the day to day operation of the power system, using its reasonable endeavours to maintain power system security in accordance with this Chapter.

(b) NEMMCO must perform projected assessment of system adequacy processes ("PASA") in accordance with rule 3.7, publish the details of these assessments in accordance with rule 3.13 and implement an escalating series of market interventions in accordance with this Chapter to maintain power system security.
3.2.4 Ancillary services function

(a) NEMMCO must determine the market's requirements for non-market ancillary services in accordance with rule 3.11.

(b) NEMMCO must use reasonable endeavours to ensure adequate non-market ancillary services are available in accordance with rule 3.11.

3.2.5 [Deleted]

3.2.6 Settlements

NEMMCO must provide a financial settlements service in accordance with rule 3.15, including billing and clearance for all market trading.

3.3 Prudential Requirements

3.3.1 Market Participant criteria

Each Market Participant must whilst participating in the market:

(a) be resident in, or have a permanent establishment in, Australia;

(b) not be under external administration (as defined in the Corporations Act) or under a similar form of administration under any laws applicable to it in any jurisdiction;

(c) not be immune from suit in respect of the obligations of the Market Participant under the Rules; and

(d) be capable of being sued in its own name in a court of Australia.

3.3.2 Credit support

Where at any time a Market Participant does not meet the acceptable credit criteria, the Market Participant must procure that NEMMCO holds the benefit of credit support in respect of that Market Participant. A credit support is an obligation in writing which:

(a) is from an entity (the "Credit Support Provider") which meets the acceptable credit criteria and which is not itself a Market Participant;

(b) is a guarantee or bank letter of credit in a form prescribed by NEMMCO;

(c) is duly executed by the Credit Support Provider and delivered unconditionally to NEMMCO;

(d) constitutes valid and binding unsubordinated obligations of the Credit Support Provider to pay to NEMMCO amounts in accordance with its terms which relate to obligations of the relevant Market Participant under the Rules; and

(e) permits drawings or claims by NEMMCO to a stated certain amount.
3.3.3 Acceptable credit criteria

Where the Rules require that an entity meet the acceptable credit criteria, this means that the entity must:

(a) be either:

(1) any entity under the prudential supervision of the Australian Prudential Regulation Authority; or

(2) a central borrowing authority of an Australian State or Territory which has been established by an Act of Parliament of that State or Territory;

(b) be resident in, or have a permanent establishment in, Australia;

(c) not be an externally administered body corporate (as defined in the Corporations Act) or under a similar form of administration under any laws applicable to it in any jurisdiction;

(d) not be immune from suit;

(e) be capable of being sued in its own name in a court of Australia; and

(f) have an acceptable credit rating.

3.3.4 Acceptable credit rating

(a) NEMMCO may from time to time, after complying with the Rules consultation procedures, determine what constitutes an acceptable credit rating for the purposes of the Rules, including (without limitation) determining which organisations publishing ratings will be used for this purpose, which of the type of ratings issued will be used for this purpose, and which level of rating is to be acceptable.

(b) Until varied by determination of NEMMCO, an acceptable credit rating is either:

(1) a rating of A-1 or higher for short term unsecured counterparty obligations of the entity, as rated by Standard and Poor's (Australia) Pty. Limited; or

(2) a rating of P-1 or higher for short term unsecured counterparty obligations of the entity, as rated by Moodys Investor Service Pty. Limited.

(c) Any determination of NEMMCO which varies what constitutes an acceptable credit rating will take effect from such date (not being earlier than 30 business days after the date of notification of the determination to Market Participants) as NEMMCO specifies by notice to the Market Participants.

3.3.5 Amount of credit support

A Market Participant which does not meet the acceptable credit criteria must procure that at all times the aggregate undrawn or unclaimed amounts of then current
and valid credit support held by NEMMCO in respect of the Market Participant is not less than the current maximum credit limit for that Market Participant.

### 3.3.6 Changes to credit support

(a) If:

(1) a credit support provided to NEMMCO by a Market Participant under this rule 3.3 (called the "existing credit support"), is due to expire or terminate; and

(2) after that credit support expires or terminates the total credit support held by NEMMCO in respect of that Market Participant will be less than the Market Participant’s maximum credit limit,

then at least 10 business days prior to the time at which the existing credit support is due to expire or terminate the Market Participant must procure a replacement credit support which will become effective upon expiry of the existing credit support such that it complies with the requirements of this rule 3.3.

(b) Where a credit support otherwise ceases to be current or valid, whether by reason of the Credit Support Provider ceasing to meet the acceptable credit criteria or any other reason, the Market Participant must procure the replacement of that credit support so as to comply with its obligation to maintain aggregate undrawn current and valid credit support of not less than the current maximum credit limit for that Market Participant. The Market Participant must procure that the replacement credit support is issued to NEMMCO within 24 hours after the Market Participant first becomes aware that the credit support has ceased to be current or valid (whether by reason of the Market Participant’s own knowledge or a notification by NEMMCO).

### 3.3.7 Drawings on credit support

(a) If NEMMCO exercises its rights under a credit support provided by a Market Participant under this rule 3.3 in accordance with clause 3.15.21(b)(2), then NEMMCO must notify the Market Participant.

(b) If, as a result of NEMMCO exercising its rights under a credit support provided by a Market Participant under this rule 3.3 in accordance with clause 3.15.21(b)(2), the remaining credit support held by NEMMCO in respect of that Market Participant is less than the Market Participant’s maximum credit limit then, within 24 hours of receiving a notice under clause 3.3.7(a), the Market Participant must procure for NEMMCO additional credit support complying with the requirements of this rule 3.3, such that the aggregate undrawn and valid credit support held by NEMMCO in respect of the Market Participant is not less than the amount of credit support which that Market Participant is required to provide under this rule 3.3.
3.3.8 Maximum credit limit and prudential margin

(a) NEMMCO must determine for each Market Participant a maximum credit limit and prudential margin.

(b) The maximum credit limit for a Market Participant is a dollar amount determined by NEMMCO applying the principles set out in schedule 3.3, being an amount determined by NEMMCO on the basis of a reasonable worst case estimate of the aggregate payments for trading amounts (after reallocation) to be made by the Market Participant to NEMMCO over a period of up to the credit period applicable to that Market Participant.

(c) The prudential margin for a Market Participant is a dollar amount to be determined by NEMMCO applying the principles set out in schedule 3.3, being an amount determined by NEMMCO on the basis of a reasonable worst case estimate of the aggregate of the expected trading amount and the reallocation amount owing by the Market Participant to NEMMCO in respect of the reaction period.

(d) NEMMCO must publish details of the methodology used in determining maximum credit limits and prudential margins.

(e) NEMMCO shall review the maximum credit limit and prudential margin of each Market Participant not less than once each year.

(f) NEMMCO may change either or both of the maximum credit limit or prudential margin for a Market Participant at any time (whether by reason of an annual review or otherwise), provided that any change to the maximum credit limit or prudential margin will apply with effect from such time (not being earlier than the time of notification of the changed maximum credit limit or prudential margin, as the case may be, to the Market Participant) as NEMMCO specifies.

(g) NEMMCO must notify the Market Participant of any determination or change under this clause 3.3.8 of that Market Participant’s maximum credit limit or prudential margin (as the case may be) and, on request from that Market Participant, provide details of the basis for that determination or change, including the trading, price, volatility and prospective reallocation assumptions and the average spot prices and ancillary service prices and average trading amounts.

3.3.8A Security Deposits

At any time, a Market Participant may provide a security deposit to NEMMCO to secure payment of any amount which may become payable in respect of a billing period.

3.3.9 Outstandings

At any time the outstandings of a Market Participant is the dollar amount determined by the formula:

\[ OS = -(A + B + SDA) \]
where:

OS is the amount of the outstandings of the Market Participant;

A is the aggregate of the net settlement amounts payable in respect of billing periods prior to the current billing period which remain unpaid by, or to, the Market Participant whether or not the payment date has yet been reached;

B is the net settlement amount payable by, or to, the Market Participant in respect of transactions for trading intervals that have already occurred in the current billing period; and

SDA is the balance (if any) of the Market Participant in the security deposit fund, in which case a credit balance will be a positive amount and a debit balance will be a negative amount.

The amounts to be used in this calculation will be the actual settlement amounts for billing periods where final statements have been issued by NEMMCO or NEMMCO’s reasonable estimate of the settlement amounts for billing periods (where final statements have not been issued by NEMMCO).

Note: Where the value of outstandings of a Market Participant is a negative amount the absolute value of the outstandings amount will, for the purposes of rule 3.3, be treated as if it were an amount payable by NEMMCO to the Market Participant.

3.3.10 Trading limit

The trading limit for a Market Participant is the dollar amount determined by NEMMCO on the basis of a reasonable worst case estimate by NEMMCO applying the principles in schedule 3.3 and determined using the following formula:

TL = CS – PM

where:

TL is the trading limit;

CS is the credit support provided by the Market Participant; and

PM is the prudential margin determined in accordance with clause 3.3.8(c).

Note: If the prudential margin exceeds the credit support the trading limit will have a negative value.

3.3.11 Call notices

(a) If at any time the outstandings of a Market Participant is greater than the trading limit for that Market Participant, NEMMCO may do either or both of the following:

(1) give the Market Participant an “interim statement” covering any transactions for trading intervals not already the subject of issued preliminary or final statements or another interim statement,
notwithstanding that the usual time for the issue of a preliminary or final statement for those trading intervals has not been reached; and

(2) give the Market Participant a notice (a “call notice”) that specifies an invoiced amount, the current maximum credit limit for the Market Participant, the current trading limit for the Market Participant, and the call amount, where:

Call Amount = OS – TypA

except where the formula produces a negative result, in which case the call amount is zero,

where:

OS is the outstandings for the Market Participant as at the date of the issue of the call notice; and

TypA is the typical accrual for the Market Participant as at the date of the issue of the call notice.

Note: If the value of outstandings of a Market Participant has a negative value and the trading limit also has a negative value, the outstandings will be greater than the trading limit if the absolute value of the trading limit is greater than the absolute value of the outstandings, in which case NEMMCO may exercise its powers under either or both of clauses 3.3.11(a)(1) or 3.3.11(a)(2).

(b) NEMMCO may, in its absolute discretion, cancel a call notice or interim statement issued under this clause at any time. The cancellation of a call notice or interim statement does not affect NEMMCO’s rights to issue a further call notice or interim statement on the same grounds that gave rise to NEMMCO issuing the cancelled call notice or interim statement.

3.3.12 Typical accrual

(a) The typical accrual for a Market Participant at any time is the amount which NEMMCO determines would have been the outstandings of the Market Participant at that time had the spot prices and ancillary service prices and the trading amounts of the Market Participant been at the level of the average spot price and ancillary service prices and average trading amounts of the Market Participant used by NEMMCO for the purposes of the most recent determination of the maximum credit limit of the Market Participant.

Note: The value of the typical accrual of a Market Participant will be a negative amount if the average settlement amount of the Market Participant is a positive amount.

(b) NEMMCO must, on request from a Market Participant, provide that Market Participant with details of any typical accrual for that Market Participant.
3.3.13 Response to Call Notices

(a) Subject to clause 3.3.13(b), where NEMMCO has given a call notice to a Market Participant, the Market Participant must before 11.00 am (Sydney time) on the next business day following the issue of the call notice either:

(1) agree with NEMMCO to an increase in the Market Participant's maximum credit limit by an amount not less than the call amount, and provide to NEMMCO additional credit support where, by virtue of the increase in the maximum credit limit, the Market Participant no longer complies with its obligations under clause 3.3.5;

(2) (where clause 3.3.13(a)(1) is not satisfied) pay to NEMMCO in cleared funds a security deposit of an amount not less than the call amount;

(3) lodge a reallocation request of an amount which is not less than the call amount and which is accepted by NEMMCO; or

(4) provide to NEMMCO any combination of clauses 3.3.13(a)(1), (2) and (3) such that the aggregate of the amount which can be drawn under the additional credit support provided and the amount of the security deposit paid and the amount of the reallocation request accepted by NEMMCO is not less than the call amount.

(b) If NEMMCO gives a call notice to a Market Participant after noon (Sydney time), then NEMMCO is deemed to have given that call notice on the next business day for the purposes of this clause.

3.3.13A Application of monies in the security deposit fund

(a) Subject to clauses 3.3.13A(b) and (e), NEMMCO may apply money from the security deposit fund recorded as a credit balance in the name of a Market Participant in payment of monies owing by that Market Participant to NEMMCO:

(1) in respect of any final statement previously given to that Market Participant which has not been fully paid by the appointed time on the due date and remains unpaid; or

(2) at the time of issuing any final statement,

in which case NEMMCO may set off all, or part of, any amount by which a Market Participant is in credit in the security deposit fund at that time against any amounts owing to NEMMCO under the final statement.

(b) Subject to clause 3.3.13A(c):

(1) a Market Participant may, by giving notice at least one business day prior to the due time for the issue of a final statement, seek agreement with NEMMCO on the arrangements to apply to the application of security deposits paid by that Market Participant under clause 3.3.8A against amounts owing to NEMMCO under a particular final statement or final statements; and
(2) *NEMMCO* must apply the security deposits in accordance with an agreement reached under clause 3.3.13A(b)(1).

If agreement is not reached between *NEMMCO* and the *Market Participant* under this clause, then *NEMMCO* has a discretion to apply the security deposit funds of that *Market Participant* in payment of moneys that the *Market Participant* owes *NEMMCO* as set out in clauses 3.3.13A(a)(1) and (2).

(c) Despite any agreement under clause 3.3.13A(b), if a *default event* occurs in relation to a *Market Participant*, then *NEMMCO* has a discretion as to which amounts owing to *NEMMCO* under *final statements* it applies or partially applies security deposits paid by that *Market Participant* under clause 3.3.8A.

(d) In the case of security deposits paid by a *Market Participant* in the security deposit fund under clause 3.3.13, *NEMMCO* has a discretion as to which *final statements* it applies or partially applies those monies against.

(e) However, in exercising its discretion in clauses 3.3.13A(b), (c) or (d), if a *Market Participant* pays *NEMMCO* a security deposit, then *NEMMCO* must apply any remaining portion of the security deposit (taking into account deductions for any liabilities or expenses of the security deposit fund) against the longest outstanding amounts owing to *NEMMCO* under *final statements* issued not later than the *final statement* for the *billing period* in which the security deposit was paid to *NEMMCO*. If, for any reason, *NEMMCO* has not fully applied such security deposit within this time, then *NEMMCO* must apply the remainder to amounts owing to *NEMMCO* under the next *final statement or statements* until it has been fully applied.

(f) If:

(1) a *Market Participant* has a credit balance in the security deposit fund and ceases, or intends to cease, being a *Market Participant*; and

(2) that *Market Participant* has paid all money owing to *NEMMCO* and *NEMMCO* reasonably considers that the *Market Participant* will not owe any money to *NEMMCO* in the future arising from that person’s activities as a *Market Participant*,

then *NEMMCO* must return any credit balance for that *Market Participant* in the security deposit fund to that *Market Participant* (subject to deduction for any liabilities and expenses of the security deposit fund).

(g) If, for any reason, there is a debit balance in the security deposit fund for a *Market Participant*, then the *Market Participant* must pay that amount to *NEMMCO*. For this purpose, *NEMMCO* may:

(1) include that amount in the next *final statement*; or

(2) issue an account to that *Market Participant* for payment of that debit balance and the *Market Participant* must pay that amount within 2 *business days*. 
3.3.14 Potential value of a transaction

At any time, the **potential value** of a transaction, or of any bid or offer by a Market Participant to effect a transaction, under which the **trading amount** payable to NEMMCO is determined by reference to one or more specified **regional reference prices** or **ancillary service prices**, is the dollar amount determined by this procedure:

(a) the transaction is first tested to determine the **trading amount** which would result for the Market Participant if the regional reference price or ancillary service price applicable to the transaction was equal to the **scheduled high price**;

(b) the transaction is then tested to determine the **trading amount** which would result for the Market Participant if the regional reference price or ancillary service price applicable to the transaction was equal to the **scheduled low price**;

(c) if the **trading amount** resulting for both tests is a positive amount or zero, then the **potential value** of the transaction is zero;

(d) if the **trading amount** resulting for either test is a negative amount, then the **potential value** of the transaction is the absolute value of the negative amount (or, where both tests produce a negative amount, the **potential value** of the transaction is the absolute value of the most negative amount).

3.3.15 Trading margin

At any time, the **trading margin** for a Market Participant is a dollar amount equal to the amount by which its **trading limit** exceeds its current **outstandings** due to NEMMCO and if the **outstandings** are equal to or exceed the **trading limit**, the **trading margin** is zero.

3.3.16 Limitation on entry of transactions

(a) A Market Participant must not submit any bid or offer to effect any transaction with NEMMCO where the **potential value** of that transaction, plus the **potential value** of all other uncompleted transactions, exceeds the **trading margin** for the Market Participant.

(b) A transaction is an **uncompleted transaction** if some or all of the **trading intervals** to which that transaction relates have not yet occurred.

3.3.17 Scheduled prices

(a) The **scheduled high price** and the **scheduled low price** are amounts determined by NEMMCO in its absolute discretion from time to time as a basis upon which to determine the **potential value** of a transaction in accordance with clause 3.3.14.

(b) **NEMMCO** may determine different **scheduled high prices** and **scheduled low prices** for each region.
(c) The scheduled high price for energy and market ancillary services cannot be greater than VoLL and the scheduled low price for:

(i) energy, cannot be less than the market floor price; and

(ii) market ancillary services, cannot be less than zero.

(d) NEMMCO must notify all Market Participants without delay of any determination of scheduled high prices and scheduled low prices.

(e) For Market Participants who do not trade in the spot market, the scheduled high price shall be VoLL and the scheduled low price shall be zero.

3.3.18 Additional credit support

(a) Where at any time the aggregate potential value of a Market Participant’s uncompleted transactions exceeds the trading margin for the Market Participant (including without limitation where this is a result of a redetermination of scheduled high prices or scheduled low prices) the Market Participant must provide to NEMMCO additional credit support satisfying the criteria in clause 3.3.2 for an amount not less than the amount by which the trading margin is exceeded. The Market Participant must procure that the additional credit support is provided to NEMMCO within 24 hours after NEMMCO has notified the Market Participant that additional credit support is required.

(b) Credit support required pursuant to this clause 3.3.18 is in addition to and not inclusive of the credit support which a Market Participant is required to procure pursuant to other provisions of the Rules.

3.3.19 Consideration of other Market Participant transactions

(a) For the purposes of determining the prudential requirements to be satisfied by Market Participants in accordance with this rule 3.3, NEMMCO must consult with Market Participants and any other person NEMMCO considers appropriate.

(b) NEMMCO is not required to meet its obligations under clause 3.3.19(a) in any way which increases NEMMCO’s risks in the collection of moneys owed to it in accordance with any of the provisions of the Rules.

3.4 Spot Market

3.4.1 Establishment of spot market

(a) NEMMCO must establish and operate a spot market as a mechanism for:

(1) balancing electricity supply and demand;

(2) acquiring market ancillary services; and
(3) setting a spot price for electricity at each regional reference node and market connection point for each trading interval and ancillary service prices at each regional reference node for each dispatch interval.

(b) NEMMCO must determine and publish in accordance with rule 3.9:

(1) a spot price for energy to apply at each regional reference node in each trading interval; and

(2) ancillary service prices to apply at each regional reference node for each dispatch interval.

3.4.2 Trading day and trading interval

(a) A trading interval is a 30 minute period ending on the hour or on the half hour.

(b) A trading interval is identified by the time at which it ends.

(c) The trading day in the spot market will be the 24 hour period commencing at 4.00 am Eastern Standard Time.

3.4.3 Spot market operations timetable

(a) NEMMCO must operate the spot market according to the timetable which must be approved by the AEMC and published by NEMMCO following compliance with the Rules consultation procedures.

(b) If NEMMCO wishes to change the timetable at any time, it may do so following compliance with the Rules consultation procedures.

3.5 Regions

3.5.1 [Deleted]

3.5.2 [Deleted]

3.5.3 [Deleted]

3.5.4 [Deleted]

3.5.5 [Deleted]

3.5.6 Abolition of Snowy region

(a) In this clause 3.5.6:

current Regions Publication means the document published by NEMMCO entitled “List of Regional Boundaries and Marginal Loss Factors for the 2007/08 Financial Year”.

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New South Wales region comprises the region as identified in the current Regions Publication.

Snowy region comprises the region as identified in the current Regions Publication.

Victoria region comprises the region as identified in the current Regions Publication.

(b) Despite any other provision of the Rules, at 00:00 hours EST on 1 July 2008:

(1) the Snowy region is abolished;

(2) the regional reference node known as the Murray 330kV node is abolished;

(3) the New South Wales region and the Victoria region are modified by the allocation of the loads and generators to each region as set out in clause 11.13.8; and

(4) the location of the region boundary between the New South Wales region and the Victoria region is as set out in clause 11.13.9.

(c) For the avoidance of doubt:

(1) the regional reference node (known as the Sydney West 330kV node) for the New South Wales region; and

(2) the regional reference node (known as the Thomastown 66kV node) for the Victoria region,

are not affected by the abolition of the regional reference node known as the Murray 330kV node for the Snowy region.

3.6 Network Losses and Constraints

3.6.1 Inter-regional losses

(a) Inter-regional losses are electrical energy losses due to a notional transfer of electricity through regulated interconnectors from the regional reference node in one region to the regional reference node in an adjacent region.

(b) Inter-regional loss factors:

(1) describe the marginal electrical energy losses for electricity transmitted through regulated interconnectors from a regional reference node in one region to the regional reference node in an adjacent region for a particular time period and a defined range of operating conditions;

(2) to apply between each pair of adjacent regional reference nodes are to be determined as part of the central dispatch process using inter-regional loss factor equations derived in accordance with the methodology determined by NEMMCO pursuant to clause 3.6.1(c); and
(3) are to be used in the central dispatch process as a notional adjustment to relate the prices of electricity at regional reference nodes in adjacent regions so as to reflect the cost of inter-regional losses.

(c) NEMMCO must determine, publish and maintain, in accordance with the Rules consultation procedures, a methodology for the determination of inter-regional loss factor equations for a financial year, describing inter-regional loss factors between each pair of adjacent regional reference nodes in terms of significant variables.

(d) In preparing the methodology for the determination of inter-regional loss factor equations referred to in clause 3.6.1(c), NEMMCO must implement the following principles:

(1) Inter-regional loss factor equations are to apply for a financial year.

(2) Inter-regional loss factor equations must be suitable for use in central dispatch.

(3) Inter-regional loss factors are determined as part of the central dispatch process using inter-regional loss factor equations. The inter-regional loss factors must:

(i) as closely as is reasonably practicable, describe the marginal electrical energy losses for electricity transmitted through the relevant regulated interconnector between the 2 relevant regional reference nodes in adjacent regions for each trading interval of the financial year in respect of which the relevant inter-regional loss factor equations apply; and

(ii) aim to minimise the impact on the central dispatch process of generation and scheduled load as compared to the dispatch of generation and scheduled load which would result from a fully optimised dispatch process taking into account the effect of losses.

(4) Inter-regional loss factor equations are determined using forecast load and generation data and, if required, modelled load and generation data for the financial year in which the inter-regional loss factor equations are to apply. The forecast load and generation data and modelled load and generation data, if any, used must be that load and generation data prepared by NEMMCO pursuant to clause 3.6.2A.

(5) Inter-regional loss factor equations are determined by applying regression analysis to the load and generation data referred to in clause 3.6.1(d)(4) to determine:

(i) the variables which have a significant effect on the marginal electrical energy losses for electricity transmitted through each regulated interconnector for both directions of flow on those regulated interconnectors; and

(ii) the parameters that represent the relationship between each of those variables and the marginal electrical energy losses.
(e) **NEMMCO** must determine the *inter-regional loss factor* equations used to calculate *inter-regional loss factors* in each *financial year* in accordance with the methodology prepared and *published* by **NEMMCO** under clause 3.6.1(c).

(f) **NEMMCO** must *publish* the *inter-regional loss factor* equations determined under clause 3.6.1(e) by 1 April prior to the *financial year* in which they are to apply.

### 3.6.2 Intra-regional losses

(a) *Intra-regional losses* are *electrical energy losses* that occur due to the transfer of electricity between a *regional reference node* and *transmission network connection points* in the same *region*.

(b) *Intra-regional loss factors*:

1. notionally describe the *marginal electrical energy losses* for electricity transmitted between a *regional reference node* and a *transmission network connection point* in the same *region* for a defined time period and associated set of operating conditions;

2. will be a single static *intra-regional loss factor* that applies for a *financial year* derived in accordance with the methodology determined by **NEMMCO** pursuant to clause 3.6.2(d) for each *transmission network connection point*; and

3. may, with the agreement of the *AER*, be averaged over an adjacent group of *transmission network connection points* within a single *region*. If averaging is used, the relevant *transmission network connection points* will be collectively defined as a *virtual transmission node* with a *loss factor* calculated as the volume weighted average of the *transmission loss factors* of the constituent *transmission network connection points*.

(c) An *intra-regional loss factor* is to be used as a price multiplier that can be applied to the *regional reference price* to determine the *local spot price* at each *transmission network connection point* and *virtual transmission node*.

(d) **NEMMCO** must determine, *publish* and maintain, in accordance with *Rules consultation procedures*, a methodology for the determination of *intra-regional loss factors* to apply for a *financial year* for each *transmission network connection point*.

(e) In preparing the methodology referred to in clause 3.6.2(d), **NEMMCO** must implement the following principles:

1. *Intra-regional loss factors* are to apply for a *financial year*.

2. An *intra-regional loss factor* must, as closely as is reasonably practicable, describe the average of the *marginal electrical energy losses* for electricity transmitted between a *transmission network connection point* and the *regional reference node* in the same *region* for each *trading interval* of the *financial year* in which the *intra-regional loss factor* applies.
(2A) *Intra-regional loss factors* must aim to minimise the impact on the *central dispatch* process of *generation* and *scheduled load* compared to that which would result from a fully optimised dispatch process taking into account the effect of losses.

(3) Forecast *load* and *generation* data for the *financial year* for which the *intra-regional loss factor* is to apply must be used. The forecast *load* and *generation* data used must be that *load* and *generation* data prepared by *NEMMCO* pursuant to clause 3.6.2A.

(4) The *load* and *generation* data referred to in clause 3.6.2(e)(3) must be used to determine *marginal loss factors* for each *transmission network connection point* for each *trading interval* in the *financial year* to which the *load* and *generation* data relates.

(5) The *intra-regional loss factor* for each *transmission network connection point* is determined using a volume weighted average of the *marginal loss factors* for the *transmission network connection point*.

(6) In determining the *intra-regional loss factor* for a *transmission network connection point*, flows in network elements that solely or principally provide *market network services* will be treated as invariant, as the methodology is not seeking to calculate the *marginal losses* within such network elements.

(f) *NEMMCO* must calculate *intra-regional loss factors* for each *transmission network connection point* for each *financial year* in accordance with the methodology prepared and published by *NEMMCO* under clause 3.6.2(d).

(f1) By 1 April in each year, *NEMMCO* must *publish* the *intra-regional loss factors* revised under clause 3.6.2(f) and to apply for the next *financial year*.

(g) *NEMMCO* must, in accordance with the *Rules consultation procedures*, determine, *publish* and maintain the methodology which is to apply to the calculation of average *transmission loss factors*, determined in accordance with clause 3.6.2(b)(3), for each *virtual transmission node* proposed by a *Distribution Network Service Provider*.

(h) As soon as practicable after the *publication* of the methodology referred to in clause 3.6.2(g), and thereafter by 1 April in each year, *NEMMCO* must calculate and *publish* the *transmission loss factors* for each *virtual transmission node*, determined in accordance with clause 3.6.2(b)(3), that are to apply for the next *financial year*.

(i) Notwithstanding clauses 3.6.2(a) to (f1), *NEMMCO* must:

(1) determine an *intra-regional loss factor* in the *financial year* in which the *intra-regional loss factor* is to apply for a *transmission network connection point* which is established in that *financial year* in accordance with the procedure for establishing *connection* set out in rule 5.3, provided that *NEMMCO* did not determine an *intra-regional loss factor* for the *transmission network connection point* pursuant to clause
3.6.2(f1) in the financial year preceding that in which the connection point is established; or

(2) revise an intra-regional loss factor in the financial year in which the intra-regional loss factor is to apply for a transmission network connection point which is modified in that financial year in accordance with the procedure for modifying connection set out in rule 5.3, provided that, in NEMMCO’s reasonable opinion, the modification to that connection point results in a material change in the capacity of the connection point.

(j) NEMMCO must, where required to determine the intra-regional loss factor for an established or modified transmission network connection point under clause 3.6.2(i), do so as far as practicable in accordance with the methodology published by NEMMCO pursuant to clause 3.6.2(d).

(k) For the purposes of clause 3.6.2(j), the forecast load and generation data used to calculate the intra-regional loss factor for the transmission network connection point must be determined using the forecast load and generation data determined by NEMMCO under clause 3.6.2A for other transmission network connection points in the same region for that financial year adjusted to take into account the effect of the established or modified connection point. Notwithstanding this clause 3.6.2(k), Registered Participants must comply with their obligations with respect to the provision of information to NEMMCO, for the purpose of determining new or revised intra-regional loss factors for connection points that are established or modified during the financial year in which the intra-regional loss factors are to apply, specified by the methodology developed and published by NEMMCO under clause 3.6.2A.

(l) In the case of a connection point that is established in the financial year in which the intra-regional loss factor is to apply:

(1) the intra-regional loss factor determined by NEMMCO in accordance with clause 3.6.2(i) will apply from the time the intra-regional loss factor is determined and published by NEMMCO; and

(2) NEMMCO must use reasonable endeavours to determine and publish the intra-regional loss factor at least 45 business days prior to the commencement of operation of the established connection point, where the relevant Registered Participants comply with any applicable requirements and deadlines for the provision of information to NEMMCO specified by the methodology published by NEMMCO under clause 3.6.2A.

(m) In the case of a connection point that is modified in the financial year in which the intra-regional loss factor is to apply:

(1) the intra-regional loss factor determined by NEMMCO in accordance with clause 3.6.2(i) will apply from the date when the modification to the connection point takes effect; and

(2) NEMMCO must use reasonable endeavours to publish the intra-regional loss factor at least 45 business days prior to the date when the
modification to the connection point takes effect, where the relevant Registered Participants comply with any applicable requirements and deadlines for the provision of information to NEMMCO specified by the methodology published by NEMMCO under clause 3.6.2A.

(n) For the avoidance of doubt, where NEMMCO determines an intra-regional loss factor for a transmission network connection point under clause 3.6.2(i), which is to apply in the financial year in which the transmission network connection point is established or modified, the intra-regional loss factors for all other transmission network connection points for that financial year, determined in accordance with clauses 3.6.2(a) to (g), must remain unchanged.

3.6.2A Load and generation data used to determine inter-regional loss factor equations and intra-regional loss factors

(a) NEMMCO must prepare load and generation data for each financial year to be used in both the determination of inter-regional loss factor equations under clause 3.6.1 and intra-regional loss factors under clause 3.6.2 in accordance with the methodology determined, published and maintained by NEMMCO for this purpose, under clause 3.6.2A(b).

(b) NEMMCO must determine, publish and maintain, in accordance with the Rules consultation procedures, a methodology for:

1. forecasting the load and generation data to be used in both the determination of inter-regional loss factor equations and intra-regional loss factors, including new or revised intra-regional loss factors for connection points that are established or modified, respectively, during the financial year in which the intra-regional loss factors are to apply;

2. modelling additional load and generation data, where required, to be used in determining inter-regional loss factor equations; and

3. the collection of relevant data from Registered Participants, including without limitation deadlines for the provision of that data by Registered Participants.

(c) The methodology developed and published by NEMMCO under clause 3.6.2A(b) must specify information reasonably required by NEMMCO to fulfil its obligations under clause 3.6.2A, including without limitation historic load and generation data, forecast energy and maximum demand data for a connection point and forecast data for any new loads. In particular, the methodology must specify information to be provided by Registered Participants that is in addition to the information provided by those Registered Participants under other provisions of the Rules.

(d) In preparing the methodology for forecasting and modelling load and generation data under clause 3.6.2A(b), NEMMCO must implement the following principles:

1. The forecast load and generation data must be representative of expected load and generation in the financial year in which the inter-regional loss
(factor equations or intra-regional loss factors) are to apply having regard to:

(i) actual load and generation data available for a 12 month period defined by the methodology with the objective to use the most recent load and generation data practicable;

(ii) projected load growth between each calendar month to which the actual load and generation data referred to in clause 3.6.2A(d)(1)(i) relates and the same calendar month in the financial year for which the forecast load and generation data is determined; and

(iii) the projected network configuration and projected network performance for the financial year in which the inter-regional loss factor equation or intra-regional loss factor, as the case may be, is to apply.

(2) Additional modelled load and generation data sets must only be used:

(i) in the determination of inter-regional loss factor equations under clause 3.6.1; and

(ii) where the range of forecast load and generation data is not sufficient to derive inter-regional loss factor equations to apply over the full range of transfer capability of the regulated interconnector.

(e) Registered Participants must comply with the obligations to provide information set out in the methodology developed and published by NEMMCO under this clause 3.6.2A, including the deadlines for the provision of that information and any other obligations with respect to the provision of that information set out in the methodology.

### 3.6.3 Distribution losses

(a) Distribution losses are electrical energy losses incurred in the conveyance of electricity over a distribution network.

(b) Distribution loss factors:

(1) notionally describe the average electrical energy losses for electricity transmitted on a distribution network between a distribution network connection point and a transmission network connection point or virtual transmission node for the financial year in which they apply;

(2) will be either:

(i) a site specific distribution loss factor derived in accordance with the methodology determined by the AER or the Distribution Network Service Provider pursuant to clause 3.6.3(h), for each distribution network connection point of the following types:
(A) a **connection point** for an *embedded generating unit* with *actual generation* of more than 10MW, based on the most recent data available for a consecutive 12 month period at the time of determining the *distribution loss factor*. Where relevant data is not available for a consecutive 12 month period as a *distribution network connection point* is newly established or has been modified, a *Network Service Provider* may determine whether an *embedded generating unit* has *generation* of more than 10MW, based on its best projection of *generation* in the *financial year* in which the *distribution loss factor* is to apply, taking into account the terms of the relevant *connection agreement*;

(B) a **connection point** for an end-user with *actual or forecast load* of more than 40GWh or an electrical demand of more than 10MW, based on the most recent data available for a consecutive 12 month period at the time of determining the *distribution loss factor*. Where relevant data is not available for a consecutive 12 month period as a *distribution network connection point* is newly established or has been modified, a *Network Service Provider* may determine whether an end-user has *load* of more than 40GWh or forecast *peak load* of more than 10MW, based on its best projection of *load* in the *financial year* in which the *distribution loss factor* is to apply, taking into account the terms of the relevant *connection agreement*;

(C) a **connection point** for a *market network service provider*; and

(D) a **connection point** between two or more *distribution networks*; or

(ii) derived, in accordance with the methodology determined by the *AER* or the *Distribution Network Service Provider* pursuant to clause 3.6.3(h), using the volume weighted average of the *average electrical energy loss* between the *transmission network connection point* or *virtual transmission node* to which it is assigned and each *distribution network connection point* in the relevant *voltage* class (determined in accordance with clause 3.6.3(d)(2)) assigned to that *transmission network connection point* or *virtual transmission node*, for all *connection points* on a *distribution network* not of a type described in clause 3.6.3(b)(2)(i);

(3) **are to be used** in the settlement process as a *notional adjustment to the electrical energy*, expressed in MWh, flowing at a *distribution network connection point* in a *trading interval* to determine the *adjusted gross energy amount* for that *connection point* in that *trading interval*, in accordance with clause 3.15.4.

(b1) Where a *Generator* meets the reasonable cost of the *Distribution Network Service Provider* in performing the necessary calculation in respect of a *generating unit* of up to 10MW or 40GWh per annum capacity, the
Distribution Network Service Provider must calculate a site specific distribution loss factor that, notwithstanding any other provision of the Rules to the contrary, for the purposes of the Rules is to apply in respect of that generating unit on the same basis as applies for a generating unit of more than 10MW or 40GWh per annum capacity as though the generating unit were a unit of more than 10MW or 40GWh per annum capacity.

(c) Each Distribution Network Service Provider must assign each connection point on its distribution network, of a type described in clause 3.6.3(b)(2)(i), to a single transmission network connection point taking into account normal network configurations and predominant load flows.

(d) Each Distribution Network Service Provider must assign each connection point on its distribution network, not of a type described in clause 3.6.3(b)(2)(i):

(1) where practicable, to a single transmission network connection point or otherwise, to a virtual transmission node, taking into account normal network configurations and predominant load flows; and

(2) to a class of distribution network connection points based on the location of, voltage of and pattern of electrical energy flows at the distribution network connection point.

(e) So far as practicable, the assignment of connection points on the distribution network to:

(1) transmission network connection points under clause 3.6.3(c); or

(2) transmission network connection points or virtual transmission nodes and a class of distribution network connection points under clause 3.6.3(d),

must be consistent with the geographic boundaries of the pricing zones for use in distribution service pricing, and the voltage levels incorporated within those pricing zones.

(f) The assignment of connection points on a distribution network:

(1) to a single transmission network connection point under clause 3.6.3(c); or

(2) to a transmission network connection point or virtual transmission node and a class of distribution network connection points under clause 3.6.3(d),

is subject to the approval of the AER and the Distribution Network Service Provider must inform NEMMCO of such approved assignments.

(g) Distribution loss factors must be determined by a Distribution Network Service Provider for all connection points on its distribution network either individually, for all connection points assigned to a single transmission network connection point under clause 3.6.3(c), or collectively, for all connection points assigned to a transmission network connection point or a
virtual transmission node and a particular distribution network connection point class under clause 3.6.3(d), in accordance with:

(1) the methodology developed, published and maintained by the AER for the determination of distribution loss factors; or

(2) where the AER has not published a methodology under clause 3.6.3(g)(1), the methodology developed, published and maintained by the Distribution Network Service Provider for the determination of distribution loss factors.

(h) The methodology for the determination of distribution loss factors referred to in clause 3.6.3(g) must be developed having regard to the following principles:

(1) The aggregate of the adjusted gross energy amounts for a distribution network, determined in accordance with clause 3.15.4 using the distribution loss factors for the financial year in which the distribution loss factors are to apply should equal, as closely as is reasonably practicable, the sum of:

A. the amount of electrical energy, expressed in MWh, flowing at all connection points in the distribution network in the financial year in which the distribution loss factors are to apply; and

B. the total electrical energy losses incurred on the distribution network in the financial year in which the distribution loss factors are to apply.

(2) The methodology used to determine distribution loss factors for a financial year should incorporate provisions requiring a Distribution Network Service Provider to undertake a reconciliation between the aggregate of the adjusted gross energy amounts for its distribution network for the previous financial year determined in accordance with clause 3.15.4 using the distribution loss factors that applied for connection points in that distribution network in the previous financial year and the sum of:

(i) the amount of electrical energy, expressed in MWh flowing, at all connection points in its distribution network in the previous financial year; and

(ii) the total electrical energy losses incurred on its distribution network in the previous financial year.

(3) The distribution loss factor for a distribution network connection point, other than those described in clause 3.6.3(b)(2)(i), is determined using a volume weighted average of the average electrical energy loss between the transmission network connection point or virtual transmission node to which it is assigned and each distribution network connection point in the relevant class of distribution network connection points assigned to that transmission network connection point or virtual transmission node for the financial year in which the distribution loss factor is to apply.
(4) The distribution loss factor for a distribution network connection point described in clause 3.6.3(b)(2)(i) is determined using the average electrical energy loss between the distribution network connection point and the transmission network connection point to which it is assigned in the financial year in which the distribution loss factor is to apply.

(5) In determining the average electrical energy losses referred to in clauses 3.6.3(h)(3) and (4), the Distribution Network Service Provider must use the most recent actual load and generation data available for a consecutive 12 month period but may adjust this load and generation data to take into account projected load and/or generation growth in the financial year in which the distribution loss factors are to apply.

(6) In determining distribution loss factors, flows in network elements that solely or principally provide market network services will be treated as invariant, as the methodology is not seeking to calculate the marginal losses within such network elements.

(i) Each year the Distribution Network Service Provider must determine the distribution loss factors to apply in the next financial year in accordance with clause 3.6.3(g) and provide these to NEMMCO for publication by 1 April. Before providing the distribution loss factors to NEMMCO for publication, the Distribution Network Service Provider must obtain the approval of the AER for the distribution loss factors it has determined for the next financial year.

3.6.4 Network constraints

(a) Conveyance of electricity between regions through a regulated interconnector is constrained when for operational reasons it is not acceptable for the regulated interconnector to transfer the level of electricity between regions that would be transferred if the limitation was removed and the condition impacts on the dispatch of other regulated interconnectors, generation, scheduled network services or loads.

(a1) Conveyance of electricity between regions by means of a scheduled network service is constrained when the dispatch of the relevant scheduled network service is limited by the notified available capacity or ramp rate and the limitation impacts on the dispatch of generation, regulated interconnectors, other scheduled network services or loads.

(b) Conveyance of electricity within a region is constrained when for operational reasons it is not acceptable for a network to transfer the level of electricity between different parts of the region that would be transferred if the limitation was removed and the condition impacts on the dispatch of generation, scheduled network services or loads.

(c) For every trading interval NEMMCO must record any constraints including a description and the duration of the constraint.

(d) Any constraints which occur within a region or between regions must be taken into account in the dispatch process under clause 3.8.10.
3.6.5 **Settlements residue due to network losses and constraints**

(a) *Settlements residue* will be allocated, and distributed or recovered by *NEMMCO* in accordance with the following principles:

(1) full effect is to be given to the *jurisdictional derogations* contained in Chapter 9 relating to *settlements residue*;

(2) the portion of the *settlements residue* attributable to *regulated interconnectors* (as adjusted to take into account the effect of any applicable *jurisdictional derogations* referred to in clause 3.6.5(a)(1)) will be distributed or recovered in accordance with rule 3.18;

(3) the remaining *settlements residue*, including the portion of *settlements residue* due to *intra-regional loss factors*, will be distributed to or recovered from the appropriate *Transmission Network Service Providers* (which will not include *Market Network Service Providers*);

(4) subject to clause 3.6.5(c), if the *settlements residue* arising in respect of a *trading interval*, after taking into account any adjustment in accordance with clauses 5.7.7(aa)(3) or (ab), is a negative amount, then the amount may be recovered:

(i) to the extent to which the *settlements residue* would have been distributed in accordance with clause 3.6.5(a)(2), from *eligible persons* participating in the *auctions* conducted under rule 3.18 either from positive *settlements residue* amounts arising in the same *billing period* or otherwise as part of future *auction expense fees*; and

(ii) from the *Network Service Provider* to which the *settlements residue* would have been distributed had it been a positive amount; and

(4A) subject to clause 3.6.5(c), if the *settlements residue* arising in respect of a *trading interval*, after taking into account any adjustment in accordance with clause 5.7.7(aa)(3) or (ab), is a negative amount, then:

(i) the whole or any part of the amount may be recovered from positive *settlements residue* amounts arising in the *billing period* in which the negative *settlements residue* arose; and

(ii) if the whole or a part of the amount is not recoverable under clause 3.6.5(a)(4A)(i), the unrecovered amount may be recovered from the proceeds of the first *auction* after that *billing period*; and

(iii) if the whole or a part of the amount is recoverable under neither clause 3.6.5(a)(4A)(i) nor clause 3.6.5(a)(4A)(ii), the unrecovered amount may be recovered from the proceeds of successive *auctions* until the negative amount is recovered.

(4B) subject to clause 3.6.5(a)(4A), interest costs incurred by *NEMMCO* in relation to any unrecovered negative *settlements residue* amounts referred to in clause 3.6.5(a)(4A) may be recovered:
(i) from proceeds of the first auction after the billing period in which the interest costs arose; and

(ii) if the whole or a part of the interest costs are not recoverable under clause 3.6.5(a)(4B)(i), unrecovered interest costs may be recovered from the proceeds of successive auctions until all the interests costs are recovered.

(5) for the purposes of the distribution or recovery of settlements residue that is attributable to regulated interconnectors:

(i) all of the settlements residue relating to electricity that is transferred from one region (the “exporting region”) to another region (the “importing region”) must be allocated to Network Service Providers in respect of a network located in the importing region (or part of a network located in the importing region);

(ii) the importing region must, in respect of the period from market commencement until the expiry date referred to in subparagraph (iv), pay a charge to the exporting region reflecting the extent of the use of a network located in the exporting region (or part of a network located in the exporting region) to transfer the electricity from the exporting region to the importing region;

(iii) the amount of the charge described in subparagraph (ii) must not exceed the amount of the settlements residue referred to in subparagraph (i), and must be agreed between the participating jurisdictions in which the importing region and the exporting region are located; and

(iv) the expiry date referred to in subparagraph (ii), means 1 July 2009 or the date of commencement of rules which make alternative provision in the Rules for inter-regional settlements, whichever is the earlier date; and

(6) any portion of settlements residue distributed to a Network Service Provider or amount paid on that portion under clause 3.15.10A (if any), or rule 3.18 to a Network Service Provider, including any such payments as adjusted by a routine revised statement or special revised statement issued under rule 3.15, net of any portion of settlements residue recovered from the Network Service Provider in accordance with clause 3.6.5(a)(4), will be used to offset network service charges.

(b) A Transmission Network Service Provider or its jurisdictional delegate is a Market Participant for the purposes of clause 3.3.1 and rule 3.15 (excluding clause 3.15.1(b)) but not otherwise.

(c) Subject to clauses 11.1.1 and 11.1.2:

(i) clause 3.6.5(a)(4) does not have effect during the period commencing on 1 July 2006 and ending at the last moment of 30 June 2009 but comes into effect again at the end of that period; and
(ii) clauses 3.6.5(a)(4A) and (4B) expire at the end of that period.

3.7 Projected Assessment of System Adequacy

3.7.1 Administration of PASA

(a) NEMMCO must administer medium term and short term projected assessment of system adequacy processes to be known as PASA.

(b) The PASA is a comprehensive program of information collection, analysis, and disclosure of medium term and short term power system security prospects so that Scheduled Generators and Market Participants are properly informed to enable them to make decisions about supply, demand and outages of transmission networks in respect of periods up to 2 years in advance.

(c) On a weekly basis NEMMCO must:

(1) collect and analyse information from all Scheduled Generators, Market Customers, Transmission Network Service Providers and Market Network Service Providers about their intentions for:

   (i) generation, transmission and Market Network Service maintenance scheduling;

   (ii) intended plant availabilities;

   (iii) energy constraints;

   (iv) other plant conditions which could materially impact upon power system security; and

   (v) significant changes to load forecasts previously notified to NEMMCO, for the following 24 months; and

(2) following analysis and assessment, publish information that will:

   (i) assist Scheduled Generators and Market Participants to plan any scheduled work on plant; and

   (ii) inform the market of possible power system security problems.

(d) NEMMCO must use its reasonable endeavours to ensure that it provides to Scheduled Generators and Market Participants sufficient information to allow Scheduled Generators and Market Participants to undertake maintenance and outage planning without violating power system security and to allow the market to operate effectively with a minimal amount of intervention by NEMMCO.
3.7.2 Medium term PASA

(a) The *medium term PASA* covers the 24 month period commencing from the day 8 days after the day of publication with a daily resolution, and must be reviewed and issued every week by NEMMCO in accordance with the timetable.

(b) NEMMCO may publish additional updated versions of the *medium term PASA* in the event of changes which, in the judgment of NEMMCO, are materially significant and should be communicated to Scheduled Generators and Market Participants.

(c) The following PASA inputs are to be prepared by NEMMCO:

1. forecast load which is:
   
   (i) to indicate for each region the most probable peak load, time of the peak, and daily energy on the basis of past trends, day type and special events including all anticipated scheduled load and other load except pumped storage loads;
   
   (ii) subsequently to be adjusted by an amount anticipated in the forecast as scheduled load by load bidders;
   
   (iii) an indicative half hourly load profile for each day type for each region for each month of the year;

2. reserve requirements of each region determined in accordance with the medium term capacity reserve standards set out in the power system security and reliability standards; and

3. forecast inter-regional network constraints and intra-regional network constraints known to NEMMCO at the time.

(d) The following medium term PASA inputs must be submitted by each relevant Scheduled Generator or Market Participant in accordance with the timetable:

1. PASA availability of each scheduled generating unit, scheduled load or scheduled network service for each day; and

2. weekly energy constraints applying to each generating unit or scheduled load.

(e) Network Service Providers must provide to NEMMCO an outline of planned network outages in accordance with the timetable and provide to NEMMCO any other information on planned network outages that is reasonably requested by NEMMCO to assist NEMMCO to meet its obligations under clause 3.7.2(f)(4).

(f) NEMMCO must prepare and publish the following information in respect of each day covered by the medium term PASA in accordance with clause 3.13.4:
(1) forecasts of the most probable peak power system load plus required scheduled reserve, adjusted to make allowance for scheduled load, for each region and for the total power system;

(1A) the aggregated MW allowance (if any) made by NEMMCO for generation from non-scheduled generating systems in each forecast of the most probable peak power system load referred to in clause 3.7.2(f)(1);

(1B) in respect of each forecast of the most probable peak power system load referred to in clause 3.7.2(f)(1), a value that is the sum of that forecast and the relevant aggregated MW allowance referred to in clause 3.7.2(f)(1A);

(2) forecasts of the most probable energy consumption for each region and for the total power system;

(3) aggregate generating unit PASA availability for each region, calculated by adding the following two categories:
   (i) the capacity of generating units which are able to operate at full capacity on a continuous basis to meet forecast load; and
   (ii) an allocation of generation which cannot be generated continuously at the nominated capacity of the generating unit for the period covered due to specified energy constraints;

(4) identification and quantification of:
   (i) any projected violations of power system security;
   (ii) any days on which low reserve or lack of reserve conditions are forecast to apply;
   (iii) where a projected supply deficit in one region can be supplemented by a surplus in another region (dependent on forecast interconnector transfer capabilities);
   (iv) forecast interconnector transfer capabilities and the discrepancy between forecast interconnector transfer capabilities and the forecast capacity of the relevant interconnector in the absence of outages on the relevant interconnector only; and
   (v) when and where network constraints may become binding on the dispatch of generation or load.

(g) NEMMCO must document the procedure it uses for preparation of the medium term PASA and make it available to all Scheduled Generators and Market Participants on a cost recovery basis.
3.7.3 **Short term PASA**

(a) The *short term PASA* must be issued at least daily by *NEMMCO* in accordance with the *timetable*.

(b) The *short term PASA* covers the period of six *trading days* starting from the end of the *trading day* covered by the most recently *published pre-dispatch schedule* with a half hourly resolution.

(c) *NEMMCO* may *publish* additional updated versions of the *short term PASA* in the event of *changes* which, in the judgement of *NEMMCO*, are materially significant and should be communicated to *Scheduled Generators* and *Market Participants*.

(d) The following *short term PASA inputs* are to be prepared by *NEMMCO*:

1. forecast *load* which is to include:
   - the most probable half hourly *profile* on the basis of past trends, day type, and special events; and
   - all *scheduled load* and other *load* except for pumped storage *loads*, which must subsequently be adjusted in accordance with *dispatch offers for scheduled load*;

2. *scheduled reserve* requirements for each *region* determined in accordance with the *short term capacity reserve standards*; and

3. anticipated *inter-regional network constraints* and *intra-regional network constraints* known to *NEMMCO* at the time.

(e) The following *short term PASA inputs* must be submitted by each relevant *Scheduled Generator* and *Market Participant* in accordance with the *timetable* and must represent the *Scheduled Generator’s* or *Market Participant’s* current intentions and best estimates:

1. availability of each *scheduled generating unit, scheduled load* or *scheduled network service* for each *trading interval* under expected *market conditions*;

1A. *PASA availability* of each *scheduled generating unit, scheduled load* or *scheduled network service* for each *trading interval*;

2. *generating unit synchronisation/de-synchronisation times* for *slow start generating units*;

3. *projected daily energy availability* for *energy constrained scheduled generating units* and *loads*; and

4. anticipated *self-dispatch level* for each *scheduled generating unit or scheduled load* for each *trading interval*. 
(f) If NEMMCO considers it reasonably necessary for adequate power system operation and the maintenance of power system security, Registered Participants who may otherwise be exempted from providing inputs for the PASA process must do so to the extent specified by NEMMCO.

(g) Network Service Providers must provide to NEMMCO an outline of planned network outages in accordance with the timetable and provide to NEMMCO any other information on planned network outages that is reasonably requested by NEMMCO to assist NEMMCO to meet its obligations under clause 3.7.3(h)(5).

(h) NEMMCO must prepare and publish the following information as short term PASA outputs for each trading interval in the period covered in accordance with clause 3.13.4(c):

1. forecasts of the most probable power system load plus required scheduled reserve adjusted to make allowance for scheduled load, for each region and for the total power system;
2. forecasts of power system load for each region with 10% and 90% probability of exceedence;
3. forecasts of the most probable energy consumption for each region and for the total power system;
4. aggregate generating unit availability for each region calculated by adding the following two categories:
   (i) the capacity of generating units which are able to operate at full capacity on a continuous basis to meet forecast power system load; and
   (ii) an allocation of generation which cannot be generated continuously at the offered capacity of the generating unit for the period covered due to specified energy constraints;
4A aggregate generating unit PASA availability for each region;
4B the aggregated MW allowance (if any) made by NEMMCO for generation from non-scheduled generating systems in each forecast:
   (i) of the most probable peak power system load referred to in clause 3.7.3(h)(1); and
   (ii) referred to in clauses 3.7.3(h)(2), (3), (4) and (4A);
4C in respect of each forecast:
   (i) of the most probable peak power system load referred to in clause 3.7.3(h)(1);
   (ii) referred to in clauses 3.7.3(h)(2), (3), (4) and (4A),
a value that is the sum of that forecast and the relevant aggregated MW allowance (if any) referred to in clause 3.7.3(4B); and

(5) identification and quantification of:

(i) any projected violations of power system security;

(ii) any trading intervals for which low reserve or lack of reserve conditions are forecast to apply;

(iii) where a projected supply deficit in one region can be supplemented by a surplus in another region (dependent on forecast interconnector transfer capabilities);

(iv) forecast interconnector transfer capabilities and the discrepancy between forecast interconnector transfer capabilities and the forecast capacity of the relevant interconnector in the absence of outages on the relevant interconnector only; and

(v) when and where network constraints may become binding on the dispatch of generation or load.

(i) In the event that in performing the short-term PASA NEMMCO identifies any projected low reserve or lack of reserve conditions in respect of a participating jurisdiction, then NEMMCO must use its reasonable endeavours to advise the Jurisdictional Co-ordinator for that participating jurisdiction of any potential requirements during such conditions to shed sensitive loads.

(j) NEMMCO must document the procedure it uses for preparation of the short term PASA and make it available to all Scheduled Generators and Market Participants on a cost recovery basis.

### 3.7A Market Information on planned network outages

(a) The objective of this rule 3.7A is to provide Market Participants with the information on planned network outages required so that Market Participants are properly informed to enable them to make projections of market outcomes, including projections of settlement residue auction outcomes, and decisions with respect to hedge contracts and other financial risk management tools. Information on planned network outages made available to Market Participants by NEMMCO and Transmission Network Service Providers under this rule 3.7A, however, represents a Transmission Network Service Provider’s current intentions and best estimates regarding planned network outages at the time the information is made available. Further, a Transmission Network Service Provider may not be bound to comply with an advised outage program. A planned outage program may be subject to change due to unforeseen circumstances outside the control of the Transmission Network Service Provider. Accordingly, information on planned network outages may be subject to change.

(b) In addition to the obligations imposed on Transmission Network Service Providers and NEMMCO by rule 3.7 to provide information on planned network outages for the purpose of PASA, Transmission Network Service
Providers must provide to NEMMCO and publish, and NEMMCO must determine and publish, the information required under this rule 3.7A with respect to planned network outages.

(c) Each month, in accordance with the timetable for the provision of information to medium term PASA, each Transmission Network Service Provider must provide to NEMMCO and publish:

(1) details of the forecast timing and the factors affecting the timing of planned network outages and the likelihood that the planned timing will vary;

(2) details of the reason for the planned network outage, including the nature and extent of works required, if any; and

(3) any other information with respect to planned network outages that is reasonably requested by NEMMCO with a view to achieving the objective set out in rule 3.7A(a), for those network outages planned for the following thirteen months that, in the reasonable opinion of the Transmission Network Service Provider, will have or are likely to have a material effect on transfer capabilities.

(d) Each month, in accordance with the timetable for the provision of information to medium term PASA, NEMMCO must determine and publish:

(1) an assessment of the projected impact on intra-regional power transfer capabilities, the accuracy of which must be appropriate to meet the objective in rule 3.7A(a) in a cost effective manner;

(2) an assessment of the projected impact on inter-regional power transfer capabilities, the accuracy of which must be appropriate to meet the objective in rule 3.7A(a) in a cost effective manner; and

(3) any other information with respect to planned network outages that, in NEMMCO’s opinion, would assist in achieving the objective set out in rule 3.7A(a), for those planned network outages in respect of which a Transmission Network Service Provider has provided information to NEMMCO under rule 3.7A(c).

3.7C Energy Adequacy Assessment Projection

Purpose of EAAP

(a) The purpose of the energy adequacy assessment projection (or EAAP) is to make available to Market Participants and other interested persons an analysis that quantifies the impact of energy constraints on energy availability over a 24 month period under a range of scenarios.

EAAP principles

(b) The EAAP must:
(1) cover a 24 month period, commencing on the day the EAAP is published under this rule 3.7C;

(2) be published every three months;

(3) provide a probabilistic assessment of projected energy availability for each region;

(4) provide projected unserved energy levels for each region with a monthly resolution;

(5) provide aggregated information on the adequacy of energy availability for each scenario that NEMMCO defines for the purposes of the EAAP, based on information received from Registered Participants and on anticipated power system constraints;

(6) take into account:

(A) where relevant, the information and medium term PASA inputs referred to in clauses 3.7.1 and 3.7.2;

(B) where relevant, the matters NEMMCO considers in, and for the purposes of, clause 5.6.5(c) in carrying out the ANTS review;

(C) Generator Energy Limitation Frameworks provided in accordance with paragraph (g), including GELFs that apply to more than one scheduled generating unit under clause 3.7C(k)(6) where those GELFs adequately represent the relevant generating units; and

(D) GELF parameters for each GELF which are provided in accordance with the EAAP guidelines and are updated in accordance with the timetable.

(c) NEMMCO must comply with the EAAP principles in preparing the EAAP.

Administration of EAAP

(d) NEMMCO must publish the EAAP every three months in accordance with the timetable and the first EAAP must be published by 31 March 2010.

(e) For the purposes of preparing the EAAP, a Scheduled Generator must provide NEMMCO with the following information in accordance with the timetable:

(1) updated GELF parameters for each GELF provided by it in accordance with paragraph (g); and

(2) other information that supplements the data provided under subparagraph (1) that is reasonably required by NEMMCO to study the scenarios defined in the EAAP guidelines.

(f) In considering whether information referred to in subparagraph (e)(2) is reasonably required, NEMMCO must have regard to the likely costs that may be incurred by the Scheduled Generator in preparing and providing that
information compared to the likely benefits from the use of that information for the purposes of the EAAP.

Generator Energy Limitation Framework

(g) A Scheduled Generator must prepare and submit to NEMMCO, in accordance with the EAAP guidelines and for the purposes of the EAAP, a description of the energy constraints that affect the ability of each of its scheduled generating units to generate electricity (‘GELF’ or ‘Generator Energy Limitation Framework’). The GELF must be in a form that adequately represents that generating unit sufficient for NEMMCO to include the GELF in the EAAP.

(h) A GELF submitted under paragraph (g) must be supplemented by GELF parameters for that GELF as defined in the EAAP guidelines, and those parameters must be updated every three months in accordance with the timetable.

(i) Where a Scheduled Generator has submitted a GELF under paragraph (g) and there has been a material change to any of its scheduled generating units which has an impact on the energy constraints associated with that GELF, the Scheduled Generator must revise and re-submit the GELF in accordance with that paragraph.

(j) Subject to paragraph (r), a GELF or information provided in relation to a GELF to NEMMCO must be treated by NEMMCO as confidential information.

EAAP guidelines

(k) NEMMCO must develop and publish guidelines (the ‘EAAP guidelines’) that:

(1) define scenarios that NEMMCO must study in preparing the EAAP;

(2) define modelling assumptions for the EAAP;

(3) define the components of a GELF that a Scheduled Generator must include in a GELF submitted under paragraph (g);

(4) provide detail on the forms of the GELF sufficient for a Scheduled Generator to meet the requirements of paragraph (g);

(5) define variable parameters specific to a GELF (‘GELF parameters’) that are likely to have a material impact on the GELF and therefore the EAAP, and which may include, but are not limited to, parameters in relation to:

   (i) hydro storage including pump storage;

   (ii) thermal generation fuel;

   (iii) cooling water availability; and

   (iv) gas supply limitations;
(6) define circumstances where a GELF submitted under paragraph (g) can apply to a collection of scheduled generating units that face common energy constraints due to their geographic location, access to fuel source or another similar reason;

(7) define the form of information to be submitted by each Scheduled Generator in accordance with paragraph (e); and

(8) define arrangements for managing the confidentiality of information submitted to NEMMCO under this rule 3.7C.

(l) The scenarios that are defined for the purposes of subparagraph (k)(1) may include, but are not limited to:

(1) water conditions such as normal rainfall and drought;

(2) material restrictions on the supply of a significant fuel source;

(3) other limits on a fuel source for a major form of generation; and

(4) any other scenario that NEMMCO reasonably considers will have a material impact on the EAAP.

(m) NEMMCO must comply with the EAAP principles in preparing the EAAP guidelines.

(n) NEMMCO must comply with the EAAP guidelines in preparing the EAAP.

(o) NEMMCO must develop and publish the EAAP guidelines in accordance with the Rules consultation procedures.

(p) NEMMCO must develop and publish the first EAAP guidelines by 30 June 2009 and there must be a set of EAAP guidelines available at all times after that date.

(q) NEMMCO may from time to time in accordance with the Rules consultation procedures amend or replace the EAAP guidelines.

Provision of information to Scheduled Generators

(r) NEMMCO must provide to each Scheduled Generator, based on the relevant GELF, an estimate of the total energy production of the scheduled generating units of that Scheduled Generator for the period of the EAAP.

Review

(s) The Reliability Panel must conduct a review of the operation of this rule 3.7C by no later than the end of the third year after the publication of the first EAAP.
3.8 Central Dispatch and Spot Market Operation

3.8.1 Central Dispatch

(a) NEMMCO must operate a central dispatch process to dispatch scheduled generating units, scheduled loads, scheduled network services and market ancillary services in order to balance power system supply and demand, using its reasonable endeavours to maintain power system security in accordance with Chapter 4 and to maximise the value of spot market trading on the basis of dispatch offers and dispatch bids.

(b) The central dispatch process should aim to maximise the value of spot market trading i.e. to maximise the value of dispatched load based on dispatch bids less the combined cost of dispatched generation based on generation dispatch offers, dispatched network services based on network dispatch offers, and dispatched market ancillary services based on market ancillary service offers subject to:

1. dispatch offers, dispatch bids and market ancillary service offers;
2. constraints due to availability and commitment;
3. non-scheduled load requirements in each region;
4. power system security requirements determined as described in Chapter 4 and the power system security and reliability standards;
5. intra-regional network constraints and intra-regional losses;
6. inter-regional network constraints and inter-regional losses;
7. constraints consistent with registered bid and offer data;
8. current levels of dispatched generation, load and market network services;
9. constraints imposed by ancillary services requirements;
10. arrangements designed to ensure pro-rata loading of tied registered bid and offer data; and
11. ensuring that as far as reasonably practical, in relation to a NEMMCO intervention event:
   (A) the number of Affected Participants; and
   (B) the effect on interconnector flows,
   is minimised.

(c) NEMMCO must establish procedures to allow relaxation of power system constraints listed in clause 3.8.1(b) in order to resolve infeasible dispatch solutions, subject to the following principles:
(1) the procedures are developed in consultation with Registered Participants to achieve a reasonable dispatch outcome while maintaining consistency with NEMMCO’s obligations to maintain power system security and the pricing principles listed in clause 3.9.1; and

(2) NEMMCO must report to Registered Participants any events requiring the relaxation of these constraints.

d) NEMMCO must develop and publish a dispatch algorithm to be used by NEMMCO for the purpose of central dispatch and pricing in accordance with rules 3.8 and 3.9.

e) NEMMCO must use the dispatch algorithm to determine the loading level in MW for each scheduled generating unit, scheduled network service or scheduled load in each dispatch interval in accordance with the principles set out in clause 3.8.1(b).

(e1) NEMMCO must use the dispatch algorithm to determine the quantity of each market ancillary service which will be enabled for each ancillary service generating unit or ancillary service load.

(e2) When NEMMCO determines the quantity of each market ancillary service which will be enabled, NEMMCO must determine:

   (1) the required quantity of each market ancillary service that may be sourced from any region (referred to as the “global market ancillary service requirement”); and

   (2) any required quantity of such market ancillary service which must only be sourced from one or more nominated regions (referred to as a “local market ancillary service requirement”).

(f) NEMMCO may investigate from time to time:

   (1) the scope for further development of the dispatch algorithm beyond the minimum requirements specified in clause 3.8.1(b); and

   (2) the sufficiency of the dispatch algorithm in meeting the minimum requirements specified in clause 3.8.1(b),

and following compliance with the Rules consultation procedures, publish a report setting out its recommendations.

3.8.2 Participation in central dispatch

(a) A Scheduled Generator must submit generation dispatch offers in respect of each of its scheduled generating units for each trading day in accordance with clause 3.8.6.

(b) Generation dispatch offers for a scheduled generating unit must include a specified self-dispatch level and may include prices and MW quantities for increased or decreased levels of generation above or below this self-dispatch level.
(b1) A Scheduled Network Service Provider must submit network dispatch offers in respect of each of its scheduled network services for each trading day in accordance with clause 3.8.6A.

(c) Subject to clause 3.8.2(d), dispatch bids may be submitted by Market Participants in respect of scheduled loads, in accordance with clause 3.8.7, and may specify prices and MW quantities for any trading interval either for reductions or increases in load.

(c1) Market ancillary service offers may be submitted by Ancillary Service Providers in respect of market ancillary services in accordance with clause 3.8.7A.

(d) Dispatch bids and market ancillary service offers will only be included in the central dispatch process by NEMMCO if it is satisfied that adequate communication and/or telemetry is available to support the issuing of dispatch instructions and the audit of responses.

(e) If NEMMCO considers it reasonably necessary for adequate system operation and the maintenance of power system security, Registered Participants who may otherwise be exempted from participating in the central dispatch process must do so to the extent and in the capacity specified by NEMMCO.

3.8.3 Bid and offer aggregation guidelines

(a) Scheduled Generators or Market Participants who wish to aggregate their scheduled generating units, scheduled network services or scheduled loads for the purpose of central dispatch and settlements must apply to NEMMCO to do so.

(b) NEMMCO must approve applications for aggregation if the following conditions are fulfilled by the Scheduled Generator or Market Participant:

(1) aggregated generating units or loads must be connected at a single site with the same intra-regional loss factor and be operated by a single Scheduled Generator or Market Participant;

(1a) aggregated scheduled network services must be connected at the same two sites, have the same intra-regional loss factors, have the same distribution loss factors where applicable and be operated by the same Scheduled Generator or Market Participant;

(2) power system security must not be materially affected by the proposed aggregation;

(3) control systems such as automatic generation control systems must satisfy the Rules after aggregation;

(4) communication protocols for operational control between NEMMCO and the aggregated generating units, scheduled network services or loads must satisfy the Rules after aggregation; and
(5) metering systems for settlements purposes must satisfy the Rules after aggregation.

(c) Notwithstanding that one or more of the conditions set out in clause 3.8.3(b) may not have been fulfilled by the Scheduled Generator or Market Participant, NEMMCO may approve an application for aggregation provided that such aggregation would not materially distort central dispatch.

(d) All requirements in the Rules applying to generating units, scheduled network services and scheduled loads are to apply equally to aggregated generating units, aggregated scheduled network services and aggregated scheduled loads.

(e) NEMMCO must evaluate applications for aggregation and reply within 20 business days of receipt of the application setting out whether the application is to be approved and the conditions that apply to the proposed approval.

(f) Scheduled Generators and Market Participants that have been granted aggregated status must, if required by NEMMCO, declare individual generating unit, scheduled network service or scheduled load availability and operating status to NEMMCO in the PASA process under rule 3.7 to allow power system security to be effectively monitored.

(g) NEMMCO must provide reasons to a Scheduled Generator or Market Participant whose application for aggregation is denied by NEMMCO.

(h) [Deleted]

(i) NEMMCO must notify Scheduled Generators and Market Participants of newly approved aggregations.

(j) NEMMCO must maintain a database of aggregated scheduled generating units, scheduled network services and scheduled loads and their components.

3.8.4 Notification of scheduled capacity

All Scheduled Generators and Market Participants with scheduled generating units, scheduled network services and/or scheduled loads must inform NEMMCO of their available capacity as follows in accordance with the timetable:

(a) Scheduled Generators and Market Participants must notify NEMMCO of the available capacity of each scheduled generating unit, scheduled network service and/or scheduled load for each trading interval of the trading day;

(b) subsequent changes may only be made to the information provided under clause 3.8.4(c), (d) and (e) in accordance with clause 3.8.22;

(c) for Scheduled Generators, two days ahead of each trading day:

(1) a MW capacity profile that specifies the MW available for each of the 48 trading intervals in the trading day;

(2) estimated commitment or decommitment times;
(3) daily energy availability for energy constrained generating units; and

(4) ramp rate constraints;

(d) for scheduled loads, two days ahead of each trading day:

(1) a MW capacity profile that specifies the MW available for dispatch for each of the 48 trading intervals in the trading day;

(2) daily energy availability for energy constrained scheduled load; and

(3) ramp rate constraints;

(e) for scheduled network services, two days ahead of each trading day:

(1) a MW capacity profile that specifies the power transfer capability in each direction available for each of the 48 trading intervals in the trading day; and

(2) ramp rate constraints.

### 3.8.5 Submission timing

(a) To be valid for inclusion in the central dispatch process, a dispatch bid or dispatch offer or market ancillary service offer must be submitted according to the timetable.

(b) Subject to clause 3.8.22, changes to the:

(1) MW quantities in the dispatch bids;

(2) MW quantities and off-loading prices in the generation dispatch offers; and

(3) MW quantities in the network dispatch offers,

may be made after the relevant deadline in the timetable.

(c) The submission of dispatch bids, dispatch offers and market ancillary service offers to NEMMCO must be made using the electronic communication system unless otherwise approved by NEMMCO.

### 3.8.6 Generating unit offers for dispatch

The following requirements apply to all dispatch offers for scheduled generating units:

(a) dispatch offers must contain the Scheduled Generator’s intended self-dispatch level for each trading interval, and may contain up to 10 price bands which may be either for possible dispatch above the intended self-dispatch level or for possible off-loading below the intended self-dispatch level by dispatch instruction;
(b) the dispatch offer must specify for each of the 48 trading intervals in the trading day:

1. a MW capacity for the intended self-dispatch level;

2. an incremental MW amount for each price band specified in the dispatch offer; and

3. a MW/min ramp rate capability;

(c) the MW quantities specified are to apply at the terminals of the scheduled generating unit or, with NEMMCO’s agreement, at any other point in the Scheduled Generator’s electrical installation or on the network;

(d) a dispatch offer which specifies a self-dispatch level of more than zero must specify at least one price band for off-loading below the intended self-dispatch level and the total MW quantity in price bands specified for off-loading in each trading interval must equal the MW quantity of the self-dispatch level for that trading interval to enable possible off-loading to a zero dispatch level;

(e) the dispatch offer must specify a loading price or an off-loading price for each price band specified in the dispatch offer, in dollars and whole cents per MWh, and this price is to apply to the price band throughout the trading day;

(f) prices specified for each price band specified in the dispatch offer must increase monotonically with an increase in available MWs;

(g) prices specified are to apply at the scheduled generating unit’s connection point and for the purposes of central dispatch shall be referred to the regional reference node to which that connection point is assigned as follows:

\[
RP = DOP \div LF
\]

where

RP is the price specified in the dispatch offer when referred to the appropriate regional reference node;

DOP is the price as specified in the dispatch offer; and

LF where the scheduled generating unit’s connection point is a transmission network connection point, is the intra-regional loss factor at that connection point, or where the scheduled generating unit’s connection point is a distribution network connection point, is the product of the distribution loss factor at that connection point multiplied by the intra-regional loss factor at the transmission network connection point to which it is assigned;

(h) loading prices offered must be equal to or greater than $0/MWh and may not exceed the product of VoLL multiplied by the intra-regional loss factor at the Scheduled Generator’s transmission network connection point for the generating unit;
(i) off-loading prices must be less than $0/MWh, i.e. negative in sign and may not be less than the product of the market floor price multiplied by the intra-regional loss factor at the Scheduled Generator’s transmission network connection point for the generating unit;

(j) a loading price specified for a price band is to be interpreted as the minimum price at which up to the specified MW increment is to be loaded in the central dispatch process;

(k) [Deleted]

(l) an off-loading price specified for a price band is to be interpreted as the maximum price payable to NEMMCO by the Scheduled Generator in respect of the generating unit’s sent out generation with the generating unit’s output reduced below its specified self-dispatch level in the central dispatch process by an amount less than the specified MW increment;

(m) the MW quantity specified in each price band in each trading interval must be specified in whole MW; and

(n) the dispatch offer may specify the daily energy available for energy constrained generating units.

3.8.6A Scheduled network service offers for dispatch

The following requirements apply to a network dispatch offer to provide scheduled network services:

(a) the network dispatch offer may contain up to a maximum of ten price bands for each direction of power flow for the scheduled network service;

(b) the network dispatch offer must specify for each of the 48 trading intervals in the trading day:

(1) an incremental power delivery range for each price band specified in the network dispatch offer; and

(2) a MW/min ramp rate capability;

(c) the network dispatch offer must specify a price for each price band in dollars and whole cents per MWh and this price is to apply to the price band throughout the trading day;

(d) within the set of price bands applying to a particular direction of power flow, prices specified for each price band specified in the network dispatch offer must increase monotonically with an increase in available MWs;

(e) if negative prices are employed, the absolute value of the most negative price in one direction cannot exceed the price for the first price band in the opposite direction, after adjustment for losses;

(f) the price specified in a price band for power transfer from the scheduled network service’s connection point A to connection point B is to be interpreted
in the central dispatch process as meaning that the Scheduled Network Service Provider is willing to deliver an increment of power to connection point B, within the power delivery range of the power band, provided that the net revenue which is expected to be derived from that increment per MWh delivered to connection point B is not less than the specified price;

(g) for the purposes of this clause 3.8.6A, the net revenue that a Scheduled Network Service Provider expects to receive for energy delivered by the scheduled network service to connection point B is to be determined as follows:

\[
\text{net revenue} = PB \times FB - PA \times FA
\]

where

PA and PB are the prices at the scheduled network service’s connection points A and B, which are assumed not to change as a result of the incremental transfer;

FA and FB are the energy transfers scheduled by central dispatch for receipt by the scheduled network service at connection point A and delivery at connection point B respectively; and

FA and FB are deemed to be related by the loss vs flow relationship notified in accordance with schedule 3.1;

(h) for the purposes of this clause 3.8.6A, the price at a connection point will be deemed to be related as follows to the price at the regional reference node to which that connection point is assigned:

\[
P = RP \times LF
\]

where

P is the price at the connection point;

RP is the price at the appropriate regional reference node; and

LF where the scheduled network service’s connection point is a transmission network connection point, is the intra-regional loss factor at that connection point, or where the scheduled network service’s connection point is a distribution network connection point, is the product of the distribution loss factor at that connection point multiplied by the intra-regional loss factor at the transmission network connection point to which it is assigned;

(i) prices specified in the network dispatch offer must not exceed VoLL; and

(j) the power delivery range specified in each price band in each trading interval must be specified in whole MW.
3.8.7 **Bids for scheduled load**

The following requirements apply to a *dispatch bid* for *scheduled loads*:

(a) the *dispatch bid* must specify whether the *scheduled load* is to be considered as *normally on* or *normally off*;

(b) the *dispatch bid* may contain up to a maximum of ten *price bands*;

(c) the *dispatch bid* must specify for each of the 48 *trading intervals* in the *trading day*:
   
   (1) an incremental MW amount for each *price band* specified in the *dispatch bid*; and

   (2) a MW/min *ramp rate* capability;

(d) the *dispatch bid* must specify a price for each *price band* in dollars and whole cents per MWh and this price is to apply to the *price band* throughout the *trading day*;

(e) prices specified for each *price band* specified in the *dispatch bid* must increase monotonically with an increase in available MWs;

(f) prices specified are to apply at the *scheduled load’s connection point* and for the purposes of *central dispatch* shall be referred to the *regional reference node* to which that *connection point* is assigned as follows:

\[ RP = \frac{DOP}{LF} \]

where

RP is the price specified in the *dispatch bid* when referred to the appropriate *regional reference node*;

DOP is the price as specified in the *dispatch bid*; and

LF where the *scheduled load’s connection point* is a *transmission network connection point*, is the *intra-regional loss factor* at that *connection point*, or where the *scheduled load’s connection point* is a *distribution network connection point*, is the product of the *distribution loss factor* at that *connection point* multiplied by the *intra-regional loss factor* at the *transmission network connection point* to which it is assigned;

(g) MW quantities specified for a *price band* are to apply at the *scheduled load’s connection point* or at any other point in the *Market Participant’s electrical installation* or on the *network* as agreed to by *NEMMCO*;

(h) prices specified must be:

   (1) more than the product of the *market floor price* multiplied by the *intra-regional loss factor* at the *scheduled load’s transmission network connection point*; and
(2) less than the product of VoLL multiplied by the intra-regional loss factor at the scheduled load’s transmission network connection point;

(i) for a scheduled load specified in the dispatch bid as being normally on, the price specified for a price band is to be interpreted in the central dispatch process as the price at or above which the scheduled load will reduce electricity consumed by up to the MW increment specified in that price band;

(j) for a scheduled load specified in the dispatch bid as being normally off, the price specified for a price band is to be interpreted in the central dispatch process as the price at or below which the scheduled load will increase electricity consumed by up to the MW increment specified in that price band;

(k) the MW capacity quantity specified in each price band in each trading interval must be specified in whole MW;

(l) the sum of the MW quantities specified in each price band in any trading interval must not exceed the maximum capacity of the scheduled load; and

(m) the dispatch bid may specify the daily energy available for energy constrained scheduled loads.

3.8.7A Market ancillary services offers

The following requirements apply to all market ancillary service offers for each type of market ancillary service:

(a) the market ancillary service offer may contain up to 10 price bands;

(b) the market ancillary service offer must specify for each of the 48 trading intervals in the trading day an incremental MW amount for each price band specified in the market ancillary service offer;

(c) the MW quantities specified are to apply at the nominated connection point of the Market Participant or, with NEMMCO’s agreement, at any other point in the Market Participant’s electrical installation or on the network;

(d) the ancillary service offer must specify a price for each price band specified in the market ancillary service offer, in dollars and whole cents per MW per hour (an ‘enabling price’), and this price is to apply to the price band throughout the trading day;

(e) enabling prices for each price band specified in the market ancillary service offer must increase monotonically with an increase in available MWs;

(f) enabling prices are to apply at the nominated connection point of the Market Participant or, with NEMMCO’s agreement, at any other point in the Market Participant’s electrical installation or on the network;

(g) enabling prices offered must be equal to or greater than $0 per MW per hour and may not exceed VoLL;
(h) the enabling price for a price band is to be interpreted as the minimum price at which up to the specified MW response is to be enabled in the central dispatch process;

(i) the MW quantity in each price band in each trading interval must be specified in whole MW;

(j) the market ancillary service offer must include the following values:

1. the response breakpoint;

2. the upper and lower enablement limits; and

3. the response capability; and

(k) an Ancillary Service Provider that submits a market ancillary service offer must ensure that the ancillary service generating unit or ancillary service load, as the case may be, is at all times capable of responding in the manner contemplated by the market ancillary service specification.

3.8.8 Validation of dispatch bids and offers

(a) If a dispatch offer, dispatch bid or market ancillary service offer is made in accordance with clauses 3.8.6, 3.8.6A, 3.8.7 or 3.8.7A (whichever is applicable), NEMMCO must make available to the Scheduled Generator or Market Participant who submitted the dispatch offer, dispatch bid or market ancillary service offer the following information without delay:

1. acknowledgement of receipt of a valid dispatch offer, dispatch bid or market ancillary service offer; and

2. the data contained in the dispatch offer, dispatch bid or market ancillary service offer as it will be used by NEMMCO in the central dispatch process.

(b) It is the responsibility of each Scheduled Generator and Market Participant to check that the data contained in its dispatch offer, dispatch bid or market ancillary service offer as received and to be used by NEMMCO in the central dispatch process is correct.

(c) If a dispatch offer, dispatch bid or market ancillary service offer is not made in accordance with clauses 3.8.6, 3.8.6A, 3.8.7 or 3.8.7A (whichever is applicable), NEMMCO must not include that dispatch offer, dispatch bid or market ancillary service offer in the central dispatch process and must without delay notify the Scheduled Generator or Market Participant submitting the dispatch offer, dispatch bid or market ancillary service offer of its invalidity and provide to that Scheduled Generator or Market Participant details of the invalid data.

(d) If any details contained within a dispatch offer, dispatch bid or market ancillary service offer are inconsistent with the registered bid and offer data provided by the relevant Scheduled Generator or Market Participant then NEMMCO has the right to treat that dispatch offer, dispatch bid or market
ancillary service offer as invalid and if it does so must notify the Scheduled Generator or Market Participant without delay.

### 3.8.9 Default offers and bids

(a) Scheduled Generators and Market Participants may, at any time, submit a dispatch offer, a dispatch bid or a market ancillary service offer in respect of a scheduled generating unit, scheduled load, scheduled network service, ancillary service generating unit or ancillary service load to apply from a specified future trading day.

(b) A Scheduled Generator or Market Participant may vary or withdraw a default dispatch bid, default dispatch offer or market ancillary service offer at any time prior to the deadline for submissions of dispatch offers, dispatch bids and market ancillary service offers for a trading day in accordance with the timetable.

(c) Subject to any procedures published in accordance with clause 3.8.9(d), default dispatch offer, default dispatch bid or market ancillary service offer applicable to a trading day must be included by NEMMCO in the central dispatch process when the deadline for submission of dispatch offers, dispatch bids and market ancillary service offers for that trading day arrives in accordance with the timetable if, and only if, no later valid dispatch offer, dispatch bid or market ancillary service offer has been submitted pursuant to clauses 3.8.6, 3.8.6A, 3.8.7, 3.8.7A or 3.8.9(b).

(d) NEMMCO, in consultation with Scheduled Generators and Market Participants in accordance with the Rules consultation procedures, must develop and publish procedures to determine the circumstances when NEMMCO may use a prior dispatch offer or dispatch bid lodged by a Scheduled Generator or Market Participant as a substitute for a default dispatch offer or default dispatch bid.

(e) NEMMCO may disregard a default dispatch offer or a default dispatch bid and substitute a prior dispatch offer or dispatch bid or market ancillary service offer lodged by a Scheduled Generator or a Market Participant determined in accordance with a procedure developed under clause 3.8.9(d) as input to PAS4, pre-dispatch and central dispatch.

### 3.8.10 Network constraints

(a) In accordance with the NEMMCO power system security responsibilities and any other standards set out in Chapter 4, NEMMCO must determine any constraints on the dispatch of scheduled generating units, scheduled network services, scheduled loads, ancillary service generating units or ancillary service loads which may result from planned network outages.

(b) NEMMCO must represent intra-regional network constraints and inter-regional network constraints as inputs to the dispatch process in a form that can be reviewed after the trading interval in which they occurred.
(c) The process used by NEMMCO to derive the network constraints must be clearly documented and made available to Scheduled Generators and Market Participants.

3.8.11 Ancillary services constraints

(a) NEMMCO must determine the quantity and nature of ancillary services which:

(1) have been provided or procured in accordance with the NEMMCO power system security responsibilities set out in clause 4.3.1 or are otherwise available;

(2) are required to be managed in conjunction with dispatch; and

(3) may impose constraints on central dispatch.

(a1) For each dispatch interval NEMMCO must impose constraints upon the dispatch algorithm to determine the quantity of each global market ancillary service requirement and any local market ancillary service requirements.

3.8.12 System scheduled reserve constraints

NEMMCO must use its reasonable endeavours to ensure that the dispatch process meets all requirements for scheduled reserves as described in Chapter 4.

3.8.13 Notification of constraints

NEMMCO must publish the parameters used in the dispatch algorithm for the modelling of network constraints, regulating capability constraints, power system reserve constraints and ancillary services.

3.8.14 Dispatch under conditions of supply scarcity

During times of supply scarcity, NEMMCO must use its reasonable endeavours to ensure that the actions set out below occur in the following sequence:

(a) subject to:

(1) any adjustments which may be necessary to implement action under paragraph (c); and

(2) any plant operating restrictions associated with a relevant NEMMCO intervention event,

all valid dispatch bids and dispatch offers submitted by Scheduled Generators or Market Participants are dispatched, including those priced at VoLL;

(b) subject to:

(1) any adjustments which may be necessary to implement action under paragraph (c); and
(2) any plant operating restrictions associated with a relevant NEMMCO intervention event,

after all valid dispatch bids and dispatch offers referred to in paragraph (a) have been exhausted, exercise the reliability and emergency reserve trader in accordance with rule 3.20 by:

(3) dispatching scheduled generating units, scheduled network services or scheduled loads in accordance with any scheduled reserve contract; or

(4) activating loads or generating units under any unscheduled reserve contract; and

(c) any further corrective actions required are implemented in accordance with clauses 4.8.5B and 4.8.9.

3.8.15 [Deleted]

3.8.16 Equal priced dispatch bids and dispatch offers

If there are scheduled generating units or scheduled loads, in the same region, for which the prices submitted in dispatch bids or dispatch offers for a particular trading interval result in identical prices at their regional reference node, then the MW quantities specified in the relevant price bands of those dispatch bids or dispatch offers must be dispatched on a pro-rata basis, where this can be achieved without imposing undue costs on any party, or violating other constraints.

3.8.17 Self-commitment

(a) Slow start generating units are generating units which are unable to synchronise and increase generation within 30 minutes of receiving an instruction from NEMMCO.

(b) Slow start generating units must self-commit to be eligible for dispatch.

(c) A Generator may only self-commit a scheduled generating unit in accordance with this clause.

(d) A Scheduled Generator has a right to synchronise its generating unit to the power system and have NEMMCO dispatch that generating unit subject to the dispatch procedures as set out in this rule 3.8.

(e) A Scheduled Generator must advise NEMMCO of its intention to synchronise a generating unit in the PASA process. The Scheduled Generator advises this intention by submitting a capacity profile of the generating unit into the market information bulletin board.

(f) The exact time of synchronisation will be subject to directions from NEMMCO in accordance with Chapter 4.

(g) Scheduled Generators and Market Participants must notify NEMMCO of any changes to self-commitment decisions without delay.
(h) *NEMMCO* must notify all *Scheduled Generators* and *Market Participants* of any changes to *commitment* decisions without delay.

### 3.8.18 Self-decommitment

(a) A *Generator* may only *self-decommit* a *scheduled generating unit* in accordance with this clause.

(b) *Scheduled Generators* must notify *NEMMCO* of their planned *self-decommitment* decisions in relation to *slow start generating units* at least 2 days in advance of *dispatch*.

(c) *Scheduled Generators* and *Market Participants* must notify *NEMMCO* as soon as practicable of any changes in their *self-decommitment* decisions.

(d) *NEMMCO* must notify all *Scheduled Generators* and *Market Participants* of any changes to *de-commitment* decisions as soon as practicable.

### 3.8.19 Dispatch inflexibilities

(a) If a *Scheduled Generator* or *Market Participant* reasonably expects one or more of its *scheduled generating units*, *scheduled network services* or *scheduled loads* to be unable to operate in accordance with *dispatch instructions* in any *trading interval*, due to abnormal *plant* conditions or other abnormal operating requirements in respect of that *scheduled generating unit*, *scheduled network service* or *scheduled load*, it must advise *NEMMCO* through the *PASA* process or in its *dispatch offer* or *dispatch bid* in respect of that *scheduled generating unit*, *scheduled network service* or *scheduled load*, as appropriate under this Chapter, that the *scheduled generating unit*, *scheduled network service* or *scheduled load* is *inflexible* in that *trading interval* and must specify a fixed *loading level* at which the *scheduled generating unit*, *scheduled network service* or *scheduled load* is to be operated in that *trading interval*.

(b) Where a *Scheduled Generator* or *Market Participant* advises *NEMMCO* that a *scheduled generating unit*, *scheduled network service* or *scheduled load* is *inflexible* in accordance with clause 3.8.19(a) the *Scheduled Generator* or *Market Participant* must:

1. provide *NEMMCO* with a brief, verifiable and specific reason why the *scheduled generating unit*, *scheduled network service* or *scheduled load* is *inflexible* at the same time as it advises *NEMMCO* of the *inflexibility*; and
2. provide to the *AER*, upon written request, in accordance with the guidelines issued by the *AER* from time to time in accordance with the *Rules consultation procedures* such additional information to substantiate and verify the reason for such *inflexibility* as the *AER* may require from time to time. The *AER* must provide information provided to it in accordance with this clause 3.8.19(b)(2) to any *Market Participant* that requests such information, except to the extent that the information can be reasonably claimed to be *confidential information*. 
(c) Other than in trading intervals for which it has been specified by a Scheduled Generator or Market Participant in the relevant dispatch offer or dispatch bid for a scheduled generating unit, scheduled network service or scheduled load that the scheduled generating unit, scheduled network service or scheduled load is inflexible, then NEMMCO will dispatch the scheduled generating unit, scheduled network service or scheduled load in accordance with the prices and price bands specified in the relevant dispatch offer or dispatch bid.

(d) In respect of scheduled loads or scheduled generating units which are not slow start generating units, Scheduled Generators and Market Participants may provide NEMMCO, as part of the registered bid and offer data in respect of those scheduled loads or generating units, with a dispatch inflexibility profile.

(e) A dispatch inflexibility profile for a generating unit must contain the following parameters to indicate its MW capacity and time related inflexibilities:

1. The time, T1, in minutes, following the issue of a dispatch instruction by NEMMCO to increase its loading from 0 MW, which is required for the plant to begin to vary its dispatch level from 0 MW in accordance with the instruction;

2. The time, T2, in minutes, that the plant requires after T1 (as specified in clause 3.8.19(e)(1)) to reach a specified minimum MW loading level;

3. The time, T3, in minutes, that the plant requires to be operated at or above its minimum loading level before it can be reduced below that level;

4. The time, T4, in minutes, following the issue of a dispatch instruction by NEMMCO to reduce loading from the minimum loading level (specified under clause 3.8.19(e)(2)) to zero, that the plant requires to completely comply with that instruction.

5. T1, T2, T3 and T4 must all be equal to or greater than zero.

6. The sum (T1 + T2) must be less than or equal to 30 minutes.

7. The sum (T1 + T2 + T3 + T4) must be less than 60 minutes.

(e1) A dispatch inflexibility profile for a scheduled load must contain parameters to indicate its MW capacity and time related inflexibilities.

(f) NEMMCO must use reasonable endeavours not to issue a dispatch instruction which is inconsistent with a Scheduled Generator's or Market Participant's dispatch inflexibility profile.

3.8.20 Pre-dispatch schedule

(a) Each day, in accordance with the timetable, NEMMCO must prepare and publish a pre-dispatch schedule covering each trading interval of the period commencing from the next trading interval after the current trading interval up to and including the final trading interval of the last trading day for which all
valid dispatch bids and dispatch offers have been received in accordance with the timetable and applied by the pre-dispatch process.

(b) The pre-dispatch process is to have a resolution of one trading interval and no analysis will be made of operations within the trading interval, other than to ensure that contingency capacity reserves are adequate as set out in Chapter 4.

(c) NEMMCO must determine the pre-dispatch schedule for each trading interval on the basis of dispatch bids, dispatch offers and market ancillary service offers submitted for that trading interval and NEMMCO's forecast power system load for each region for that trading interval, and by using a process consistent with the principles for central dispatch as set out in clause 3.8.1.

(d) In determining the pre-dispatch schedule NEMMCO shall not take account of any dispatch inflexibility profile submitted in accordance with clause 3.8.19.

(e) Any inputs made to the pre-dispatch process by NEMMCO for the purpose of achieving a physically realisable schedule or to satisfy power system security requirements must be made prior to release of the pre-dispatch schedule and recorded by NEMMCO in a manner suitable for audit.

(f) The pre-dispatch schedule must include the details set out in clause 3.13.4(f).

(g) Each Scheduled Generator, Scheduled Network Service Provider and Market Customer which has classified a scheduled load and Market Participant (which has classified an ancillary service generating unit or ancillary service load) must ensure that it is able to dispatch its plant as required under the pre-dispatch schedule and is responsible for changing inputs to the central dispatch process, if necessary to achieve this, via the rebidding provisions under clause 3.8.22.

(h) The pre-dispatch schedule must be re-calculated and the results re-published by NEMMCO regularly in accordance with the timetable, or more often if a change in circumstances is deemed by NEMMCO to be likely to have a significant effect on the operation of the market.

(i) NEMMCO must fully document the operation of the pre-dispatch process, including the principles adopted in making calculations required to be included and all such documentation must be made available to Scheduled Generators and Market Participants at a fee to be set by NEMMCO to cover its costs of supplying such documentation.

(j) The following pre-dispatch outputs relating specifically to a generating unit, scheduled network service, scheduled load or ancillary service load operated by a Scheduled Generator or Market Participant must be made available electronically to that Scheduled Generator or Market Participant on a confidential basis:

(1) the scheduled times of commitment and de-commitment of individual slow start generating units;

(2) scheduled half hourly loading for each scheduled entity;
(3) scheduled provision of ancillary services;

(4) scheduled constraints for the provision of ancillary services; and

(5) scheduled constraints due to network limitations.

(k) Where the pre-dispatch schedule may have failed to maximise the joint value of energy and ancillary services pre-dispatch outputs of a scheduled generating unit, due to the scheduled generating unit operating outside its enablement limit, NEMMCO must notify the Scheduled Generator or Market Participant operating the scheduled generating unit, electronically on a confidential basis.

3.8.21 On-line dispatch process

(a) Dispatch bids and dispatch offers must be centrally dispatched by NEMMCO using the dispatch algorithm.

(a1) A dispatch interval is to be five minutes in duration.

(b) The dispatch algorithm is to be run by NEMMCO for each dispatch interval. If the dispatch algorithm is not successfully run for any dispatch interval then the values of the last successful run of the dispatch algorithm must be used for that dispatch interval.

(c) Central dispatch results in the setting of dispatch prices and ancillary services prices for each dispatch interval and spot prices for each trading interval in accordance with rule 3.9.

(d) Where possible, dispatch instructions will be issued electronically via the automatic generation control system or via an electronic display in the Scheduled Generator’s or Market Participant’s plant control room. NEMMCO may issue dispatch instructions in some other form if in its reasonable opinion the methods described in this clause 3.8.21(d) are not possible.

(e) A Scheduled Generator or Market Participant must ensure it has facilities to receive dispatch instructions in the manner described in this clause.

(f) Dispatch instructions that are issued via the automatic generation control system are to be issued progressively at intervals of no more than 5 minutes following re-evaluation of central dispatch to achieve a prompt and smooth implementation of the outcomes of each central dispatch update.

(g) With the exception of instructions issued by telephone, all dispatch instructions and the times at which they are issued are to be logged automatically and dispatch instructions that are issued by telephone must be recorded by NEMMCO.

(h) NEMMCO may modify or override the dispatch algorithm outcome in accordance with the requirements of clause 4.8.9 or due to plant not conforming to dispatch instructions and in such circumstances NEMMCO must record the details of the event and the reasons for its action for audit purposes.
(i) [Deleted]

(j) If a scheduled load or scheduled generating unit, in respect of which a dispatch inflexibility profile has been notified to NEMMCO in accordance with clause 3.8.19, is dispatched from 0 MW in any dispatch interval by the central dispatch process, then the specified dispatch inflexibility profile must be used by NEMMCO as a constraint on the dispatch of that plant for the relevant subsequent dispatch intervals.

(k) A scheduled load or generating unit whose dispatch is constrained in any dispatch interval due to a dispatch inflexibility profile submitted under clause 3.8.19 cannot be used as the basis for setting the dispatch price in that dispatch interval at any location.

(l) NEMMCO must fully document the operation of the process described in this clause 3.8.21, including the software, algorithms, and the principles adopted in making judgments where they are required in the process and all such documentation must be made available to Scheduled Generators and Market Participants at a price reflective of costs incurred by NEMMCO in providing such documentation.

(m) Where the central dispatch process may have failed to dispatch a scheduled generating unit to maximise the joint value of energy and ancillary services due to the scheduled generating unit operating outside its enablement limit, NEMMCO must notify the Scheduled Generator or Market Participant operating the scheduled generating unit on a confidential basis.

### 3.8.22 Rebidding

(a) Prices for each price band that are specified in dispatch bids, dispatch offers and market ancillary service offers are firm and no changes to the price for any price band are to be accepted under any circumstances.

(b) Subject to clauses 3.8.22(c) and 3.8.22A, a Scheduled Generator or Market Participant may vary its available capacity, daily energy constraints, dispatch inflexibilities and ramp rates of generating units, scheduled network services and scheduled loads, and the response breakpoints, enablement limits and response limits of market ancillary services.

(c) A Scheduled Generator or Market Participant must provide:

1. all rebids to NEMMCO electronically unless otherwise approved by NEMMCO;
2. to NEMMCO, at the same time as the rebid is made:
   1. a brief, verifiable and specific reason for the rebid; and
   2. the time at which the event(s) or other occurrence(s) adduced by the Scheduled Generator or Market Participant as the reason for the rebid occurred;
(3) to the AER, upon written request, in accordance with guidelines published by the AER from time to time under this clause 3.8.22 in accordance with the Rules consultation procedures such additional information to substantiate and verify the reason for a rebid as the AER may require from time to time. The AER must provide information provided to it in accordance with this clause 3.8.22(c)(3) to any Scheduled Generator or Market Participant that requests such information, except to the extent that the information can be reasonably claimed to be confidential information. The guidelines developed by the AER under this clause 3.8.22(c)(3) must include:

(i) the amount of detail to be included in the information provided to NEMMCO under clause 3.8.22(c)(2); and

(ii) procedures for handling claims by Scheduled Generators or Market Participants in accordance with clause 3.8.22(c)(3) or 3.8.19(b)(2) that information provided to the AER by such Scheduled Generators or Market Participants under those clauses is confidential information.

The AER must publish the guidelines developed under this clause 3.8.22 and may amend such guidelines from time to time.

(d) NEMMCO must:

(1) subject to the Scheduled Generator or Market Participant complying with clause 3.8.22(c)(1) and (c)(2)(i) and (ii), accept the rebid; and

(2) publish, in accordance with clause 3.13.4(p), the time the rebid was made and the reason provided by the Scheduled Generator or Market Participant under clause 3.8.22(c)(2)(i).

3.8.22A Variation of offer, bid or rebid

(a) Scheduled Generators and Market Participants must make dispatch offers, dispatch bids and rebids in good faith.

(b) In clause 3.8.22A(a) a dispatch offer, dispatch bid or rebid is taken to be made in good faith if, at the time of making such an offer, bid or rebid, a Scheduled Generator or Market Participant has a genuine intention to honour that offer, bid or rebid, if the material conditions and circumstances upon which the offer, bid or rebid were based remain unchanged until the relevant dispatch interval.

(c) A Scheduled Generator or Market Participant may be taken to have contravened clause 3.8.22A(a) notwithstanding that, after all the evidence has been considered, the intention of the Scheduled Generator or Market Participant is ascertainable only by inference from the conduct of the Scheduled Generator or Market Participant, or of any other person, or from relevant circumstances.
3.8.23 Failure to conform to dispatch instructions

(a) If a scheduled generating unit, scheduled network service or scheduled load fails to respond to a dispatch instruction within a tolerable time and accuracy (as determined in NEMMCO’s reasonable opinion), then:

(1) the scheduled generating unit, scheduled network service or scheduled load (as the case may be) is to be declared and identified as non-conforming; and

(2) the scheduled generating unit, scheduled network service or scheduled load (as the case may be) cannot be used as the basis for setting spot prices.

(3) [Deleted]

(b) If a scheduled generating unit, scheduled network service or scheduled load is identified as non-conforming under clause 3.8.23(a):

(1) NEMMCO must advise the Scheduled Generator, Scheduled Network Service Provider or Market Customer that the generating unit, scheduled network service or scheduled load is identified as non-conforming, and request a reason for the non-compliance with the dispatch instruction, which reason is to be logged;

(2) if in NEMMCO’s opinion modification of plant parameters is necessary or desirable, NEMMCO must request the Scheduled Generator, Scheduled Network Service Provider or Market Customer to submit modified plant parameters to satisfy NEMMCO that a realistic real time dispatch schedule can be carried out;

(3) should a Scheduled Generator fail to meet the requests set out in clauses 3.8.23(b)(1) and (2) or if NEMMCO is not satisfied that the generating unit will respond to future dispatch instructions as required, NEMMCO must direct the generating unit's output to follow, as far as is practicable, a specified output profile to be determined at its discretion by NEMMCO;

(4) should a Scheduled Network Service Provider fail to meet the requests set out in clauses 3.8.23(b)(1) and (2) or if NEMMCO is not satisfied that the scheduled network service will respond to future dispatch instructions as required, NEMMCO must direct the scheduled network service to follow, as far as is practicable, a specified transfer profile to be determined at its discretion by NEMMCO; and

(5) should a Market Customer not meet the requests set out in clauses 3.8.23(b)(1) and (2) within a reasonable time of the request, or if NEMMCO is not satisfied that the scheduled load will respond to future dispatch instructions as required, NEMMCO acting reasonably may invoke a default dispatch bid lodged by the relevant Market Customer or apply constraints as it deems appropriate.

(c) Until a Scheduled Generator, Scheduled Network Service Provider or Market Customer satisfactorily responds to the requests under clauses 3.8.23(b)(1) and
(2) and NEMMCO is satisfied that the generating unit, scheduled network service or scheduled load (as the case may be) will respond to future dispatch instructions as required, the generating unit, scheduled network service or scheduled load (as the case may be) continues to be non-conforming.

(d) If a generating unit, scheduled network service or scheduled load (as the case may be) continues to be non-conforming after a reasonable period of time, NEMMCO must prepare a report setting out the details of the non-conformance and forward a copy of the report to the Scheduled Generator, Scheduled Network Service Provider or Market Customer (as the case may be) and the AER.

(e) The direction referred to in clauses 3.8.23(b)(3) and (4) must remain in place until the Scheduled Generator or Scheduled Network Service Provider (whichever is relevant) satisfies NEMMCO of rectification of the cause of the non-conformance.

(f) If an ancillary service generating unit or ancillary service load is enabled to provide a market ancillary service and fails to respond in the manner contemplated by the market ancillary service specification (as determined in NEMMCO’s reasonable opinion), then:

(1) the ancillary service generating unit or ancillary service load is to be declared and identified as non-conforming;

(2) NEMMCO must advise the relevant Market Participant that the ancillary service generating unit or ancillary service load is identified as non-conforming, and request a reason for the non-conformance. The relevant Market Participant must promptly provide a reason if requested to do so, and the reason is to be logged; and

(3) NEMMCO may set a fixed level for the relevant ancillary service (in this clause 3.8.23 called the ‘fixed constraint’) for the ancillary service generating unit or ancillary service load and the relevant Market Participant must ensure that the ancillary service generating unit or ancillary service load complies with the fixed constraint set by NEMMCO.

(g) NEMMCO must lift the fixed constraint in respect of an ancillary service generating unit or ancillary service load when NEMMCO is reasonably satisfied (as a result of a test or otherwise) that the ancillary service generating unit or ancillary service load is capable of responding in the manner contemplated by the market ancillary service specification.

(h) In assessing a report of non-conformance with a dispatch instruction by a scheduled load, the AER shall have regard to whether a default dispatch bid had been lodged with NEMMCO and was, or could have reasonably been, applied in the circumstances applicable to that scheduled load.

### 3.8.24 Scheduling errors

(a) A scheduling error is any one of the following circumstances:
(1) the dispute resolution panel determines under rule 8.2 that NEMMCO has failed to follow the central dispatch process set out in this rule 3.8; or

(2) NEMMCO declares that it failed to follow the central dispatch process set out in this rule 3.8; or

(3) NEMMCO determines under clause 3.9.2B(d) that a dispatch interval contained a manifestly incorrect input.

(b) Spot prices and market ancillary service prices will not be adjusted due to the occurrence of a scheduling error except where the scheduling error arises through the application of clause 3.9.2B.

3.9 Price Determination

3.9.1 Principles applicable to spot price determination

(a) The principles applying to the determination of prices in the spot market are as follows:

(1) a dispatch price at a regional reference node is determined by the central dispatch process for each dispatch interval;

(2) a spot price at a regional reference node is the time-weighted average of the dispatch prices at that regional reference node in a trading interval;

(2A) the central dispatch process must determine an ancillary service price for each market ancillary service at each regional reference node for every dispatch interval;

(3) dispatch prices determine dispatch such that a generating unit or load whose dispatch bid or dispatch offer at a location is below the spot price at that location will normally be dispatched;

(3A) generating units, scheduled network services or scheduled loads which operate in accordance with a direction, are to be taken into account in the central dispatch process, but the dispatch offer, in the case of a generating unit or scheduled network service, which operates in accordance with a direction, or the dispatch bid, in the case of a scheduled load which operates in accordance with a direction, will not be used in the calculation of the dispatch price in the relevant dispatch interval;

(3B) ancillary service generating units and ancillary service loads the subject of a fixed constraint (within the meaning of clause 3.8.23(f)) are to be taken into account in the central dispatch process, but the price in a market ancillary service offer which operates in accordance with a fixed constraint will not be used in the calculation of the ancillary service price for that market ancillary service in the relevant dispatch interval;

(3C) generating units or loads which operate in accordance with a direction to provide an ancillary service are to be taken into account in the central dispatch process, but the price in a market ancillary service offer which
operates in accordance with a direction, will not be used in the calculation of the ancillary service price for that market ancillary service in the relevant dispatch interval;

(4) network losses, network constraints, the availability of scheduled network services and network dispatch offers are taken into account in the determination of dispatch and consequently affect dispatch prices, spot prices and (apart from network losses) ancillary services prices;

(5) where the energy output of a Registered Participant is limited above or below the level at which it would otherwise have been dispatched by NEMMCO on the basis of its dispatch offer or dispatch bid due to an ancillary services direction, the Registered Participant’s dispatch offer or dispatch bid is taken into account in the determination of dispatch but the dispatch offer or dispatch bid will not be used in the calculation of the dispatch price for energy in the relevant dispatch interval;

(5A) market ancillary service offers, in other ancillary services markets, due to an ancillary services direction are taken into account in the determination of dispatch and consequently affect ancillary service prices in those other ancillary services markets;

(6) when the spot price is determined, it applies to both sales and purchases of electricity at a particular location and time;

(6A) when an ancillary service price is determined for an ancillary service, it applies to purchases of that ancillary service;

(7) spot prices and dispatch prices provide Market Participants with signals as to the value of providing or cost of consuming electricity at a particular location at a particular time; and

(7A) ancillary service prices provide Ancillary Service Providers with signals as to the value of providing the relevant market ancillary service within a particular region at a particular time.

(b) A single regional reference price which is the spot price at the regional reference node provides a reference from which the spot prices are determined within each region.

(c) The local spot price at each transmission network connection point is the spot price at the regional reference node for the region to which the connection point is assigned multiplied by the intra-regional loss factor applicable to that connection point.

### 3.9.2 Determination of spot prices

(a) [Deleted]

(b) [Deleted]

(c) Each time the dispatch algorithm is run by NEMMCO, it must determine a dispatch price for each regional reference node for a dispatch interval in
accordance with clause 3.8.21(b), provided that if NEMMCO fails to run the dispatch algorithm to determine dispatch prices for any dispatch interval then the dispatch price for that dispatch interval is the last dispatch price determined by the dispatch algorithm prior to the relevant dispatch interval.

(d) The dispatch price at a regional reference node represents the marginal value of supply at that location and time, this being determined as the price of meeting an incremental change in load at that location and time in accordance with clause 3.8.1(b).

(e) Notwithstanding clauses 3.9.2(c) or (d), for any dispatch interval if:

(1) the dispatch price for that dispatch interval has not already been set by the central dispatch process and NEMMCO reasonably determines that the central dispatch process may determine that:

   (i) all load in a region could not otherwise be supplied and NEMMCO issues instructions that are current for that dispatch interval to Network Service Providers or Market Participants to shed load; or

   (ii) no more interruptible load that had been shed as a result of a contingency event can be restored in a dispatch interval immediately following the restoration of the frequency of the power system to within the normal band of the frequency operating standards,

then, subject to 3.9.2(f), NEMMCO must set the dispatch price at that region’s regional reference node to equal VoLL;

(2) NEMMCO has declared a dispatch interval to be an intervention price dispatch interval under clause 3.9.3(a), then subject to clauses 3.9.3(c) and 3.9.3(d) NEMMCO must set the dispatch price in accordance with clause 3.9.3; and

(3) [Deleted]

(4) an administered price period in accordance with rule 3.14 applies, then NEMMCO must limit the dispatch price in accordance with clause 3.14.2(d1).

(f) If interruptible load is shed as a result of a contingency event and NEMMCO has not set the dispatch price to equal VoLL pursuant to clause 3.9.2(c)(1)(i), NEMMCO must not set the dispatch price to VoLL pursuant to clause 3.9.2(c)(1)(ii) prior to the commencement of the third dispatch interval following the restoration of the power system to a secure operating state and the restoration of the frequency of the power system to the normal band of the frequency operating standards.

(g) [Deleted]

(h) The spot price at a regional reference node for a trading interval equals the time weighted average of the dispatch prices at the regional reference node for each of the dispatch intervals in the trading interval, provided that if
NEMMCO has made a declaration that the market is suspended under clause 3.14.3, then the spot price in any trading interval during the period during which the spot market is suspended must be determined in accordance with clause 3.14.5.

(i) [Deleted]

(j) [Deleted]

(k) If a test is being conducted on a generating unit or scheduled load in accordance with clause 3.11.7 and for the purpose of conducting that test, the generating unit or scheduled load is excluded from central dispatch, then that generating unit or scheduled load cannot be used to set the dispatch price for energy in the relevant dispatch interval.

### 3.9.2A Determination of ancillary services prices

(a) Each time the dispatch algorithm is run by NEMMCO, it must determine an ancillary service price for each market ancillary service for each regional reference node which is to apply until the next time the dispatch algorithm is run, provided that if NEMMCO fails to run the dispatch algorithm to determine ancillary service prices for any dispatch interval then the ancillary service price for that dispatch interval is the last ancillary service price determined by the dispatch algorithm prior to the relevant dispatch interval.

(b) For each market ancillary service, other than the regulating raise service and the regulating lower service, each time the dispatch algorithm is run by NEMMCO where a local ancillary services constraint has been applied, NEMMCO must:

1. calculate the marginal price of meeting any global market ancillary service requirement for that service;
2. calculate the marginal price of meeting each local market ancillary service requirement for that service and;
3. identify for each local market ancillary service requirement the regions requiring the service.

(b1) An ancillary service price for a region is the sum of:

1. the marginal price of meeting any global market ancillary service requirement for that service; and
2. the marginal price of meeting each local market ancillary service requirement for that service in that region.

(c) If an ancillary service price determined using the dispatch algorithm under clause 3.9.2A(a):

1. is less than zero, then the ancillary service price is reset to zero; and
2. is greater than VoLL, then the ancillary service price is reset to VoLL.
(c1) If a marginal price calculated pursuant to clause 3.9.2A(b) is greater than VoLL, then that marginal price is reset to VoLL.

(d) If a test is being conducted on a generating unit or scheduled load in accordance with clause 3.11.7 and for the purpose of conducting that test, the generating unit or scheduled load is excluded from central dispatch, then that generating unit or scheduled load cannot be used to set market ancillary service prices.

3.9.2B Pricing where NEMMCO determines a manifestly incorrect input

(a) For the purposes of this clause:

“Input” means any value that is used by the dispatch algorithm including measurements of power system status, five minute demand forecast values, constraint equations entered by NEMMCO, or software setup but not including dispatch bids and dispatch offers submitted by Registered Participants.

“Last correct dispatch interval” means the most recent dispatch interval preceding the affected dispatch interval that is not itself an affected dispatch interval.

(b) NEMMCO may apply the automated procedures developed in accordance with clause 3.9.2B(h), to identify a dispatch interval as subject to review (“a dispatch interval subject to review”).

(c) NEMMCO may also determine that a dispatch interval is subject to review if NEMMCO considers that it is likely to be subject to a manifestly incorrect input, but only where the dispatch interval immediately preceding it was a dispatch interval subject to review.

(d) NEMMCO must determine whether a dispatch interval subject to review contained a manifestly incorrect input to the dispatch algorithm (“an affected dispatch interval”).

(e) Where NEMMCO determines an affected dispatch interval, NEMMCO must:

1. replace all dispatch prices and market ancillary services prices with the corresponding prices for the last correct dispatch interval; and

2. recalculate, in accordance with clause 3.9.2(h), and adjust all spot prices relevant to each affected dispatch interval.

(f) NEMMCO may only carry out the action described in clause 3.9.2B(e) if no more than 30 minutes have elapsed since the publication of the dispatch prices for the dispatch interval subject to review.

(g) As soon as reasonably practicable after the action as described in clause 3.9.2B(e), NEMMCO must publish a report outlining:

1. The reasons for the determination under clause 3.9.2B(d);

2. Whether that determination was correct;
(3) What action will be taken to minimise the risk of a similar event in future.

(h) NEMMCO must, in consultation with Registered Participants, develop procedures for the automatic identification of dispatch intervals subject to review under clause 3.9.2B (b) (the “automated procedures”).

(i) The purpose of the automated procedures is to detect instances where manifestly incorrect inputs may have resulted in material differences in pricing outcomes.

(j) The automated procedures must be designed to a performance standard, so that at least the majority of dispatch intervals subject to review are found either to:

1. have had manifestly incorrect inputs; or

2. be the result of the dispatch algorithm being run with correct inputs immediately after being run with manifestly incorrect inputs.

(k) At least once each calendar year, NEMMCO must review the effectiveness of the automated procedures having regard to the performance standard referred to in clause 3.9.2B(j).

(l) NEMMCO must report on the findings of the review under clause 3.9.2B(k) and must include in that report details of all dispatch intervals subject to review that were not affected dispatch intervals and an analysis of why such intervals were identified as subject to review.

(m) If the report demonstrates that the automated procedures have not achieved the performance standards under clause 3.9.2B(j), then NEMMCO must carry out a review of the automated procedures, in consultation with Registered Participants, and where appropriate, amend the automated procedures.

3.9.3 Pricing in the event of intervention by NEMMCO

(a) In respect of a dispatch interval where a NEMMCO intervention event occurs NEMMCO must declare that dispatch interval to be an intervention price dispatch interval.

(b) Subject to paragraphs (c) and (d), NEMMCO must in accordance with the methodology or assumptions published pursuant to paragraph (e) set the dispatch price and ancillary service prices for an intervention price dispatch interval at the value which NEMMCO, in its reasonable opinion, considers would have applied as the dispatch price and ancillary service price for that dispatch interval in the relevant region had the NEMMCO intervention event not occurred.

(c) NEMMCO may continue to set dispatch prices pursuant to clause 3.9.2 and ancillary service prices pursuant to clause 3.9.2A until the later of:

1. the second dispatch interval after the first dispatch interval in which the NEMMCO intervention event occurred; or
(2) if applicable, the second dispatch interval after the restoration of the power system to a secure operating state after any direction which constitutes the NEMMCO intervention event was issued,

provided that NEMMCO must use its reasonable endeavours to set dispatch prices and ancillary service prices pursuant to this clause 3.9.3 as soon as practicable following the NEMMCO intervention event.

(d) NEMMCO must continue to set dispatch prices pursuant to clause 3.9.2 and ancillary service prices pursuant to clause 3.9.2A if a direction given to a Registered Participant in respect of plant at the regional reference node would not in NEMMCO’s reasonable opinion have avoided the need for any direction which constitutes the NEMMCO intervention event to be issued.

(e) Subject to paragraph (g), NEMMCO must develop in accordance with the Rules consultation procedures and publish details of the methodology it will use, and any assumptions it may be required to make, to determine dispatch prices and ancillary service prices for the purposes of paragraph (b).

(f) The methodology developed by NEMMCO under paragraph (e) must wherever reasonably practicable:

(1) be consistent with the principles for spot price determination set out in clause 3.9.1;

(2) enable NEMMCO to determine and publish such prices in accordance with clause 3.13.4; and

(3) be consistent with the principles for ancillary service price determination set out in clauses 3.9.2 and 3.9.2A.

(g) NEMMCO may make minor and administrative amendments to the methodology developed under paragraph (e) without complying with the Rules consultation procedures.

3.9.4 VoLL

(a) VoLL is a price cap which is to be applied to dispatch prices.

(b) The value of VoLL is $10,000/MWh.

(c) By 30 April each year the Reliability Panel must conduct a review in accordance with the Rules consultation procedures and publish a report on the value of VoLL that it recommends should apply from 1 July in the year commencing 2 years after the year in which the review is conducted. In conducting a review in accordance with this clause 3.9.4(c) the Reliability Panel must have regard, in addition to any other Rules obligations, to the potential impact of any proposed increase in VoLL on:

(1) spot prices;

(2) investment in the national electricity market; and
(3) the reliability of the power system.

(c1) The value of VoLL recommended by the Reliability Panel must be a level which the Reliability Panel considers will:

(1) allow the standard for reliability established by the Reliability Panel as part of the power system security and reliability standards to be satisfied without use of NEMMCO’s powers to intervene under clauses 3.20.7(a) and 4.8.9(a);

(2) in conjunction with other provisions of the Rules, not create risks which threaten the overall integrity of the market; and

(3) take into account any other matters the Reliability Panel considers relevant.

(c2) The Reliability Panel’s report must set out the conclusions of its review and the recommendation in relation to the level of VoLL along with supporting information including:

(1) details of all relevant market conditions and circumstances on which the recommendation is based; and

(2) an assessment of whether the level of VoLL together with the operation of the cumulative price threshold has achieved the objectives set out in clauses 3.9.4(c1)(1) and (2).

(d) As part of the review conducted pursuant to clause 3.9.4(c), the Reliability Panel may review the value of VoLL for the year commencing on 1 July in the year following the year in which the current review is conducted. The Reliability Panel may only recommend a change to the level of VoLL for the year commencing on 1 July in the year following the year in which the review is being conducted where:

(1) in the Reliability Panel’s opinion, it is highly probable that the relevant market conditions and circumstances on which the recommendation for that year were based as stated in the report from the Panel under clause 3.9.4(c) will not eventuate; and

(2) the Reliability Panel has given due consideration to the impact of the change to the value of VoLL on Market Participants and in the event of a decrease in the level of VoLL, any alternative arrangements considered necessary to ensure that the reliability standard set out in the power system security and reliability standards is maintained.

3.9.5 Application of VoLL

(a) Dispatch prices at regional reference nodes must not exceed VoLL.

(b) If central dispatch and determination of dispatch prices in accordance with rule 3.8, and clauses 3.9.2 and 3.9.3 would otherwise result in a dispatch price greater than VoLL at any regional reference node, then subject to clause 3.9.5(c), the dispatch price at that regional reference node must be set to VoLL.
(c) If the dispatch price at any regional reference node is set to VoLL under clause 3.9.2 or clause 3.9.5 then dispatch prices at all other regional reference nodes connected by a regulated interconnector or regulated interconnectors that have an energy flow towards that regional reference node must not exceed the product of VoLL multiplied by the average loss factor for that dispatch interval between that regional reference node and the regional reference node at which dispatch prices have been set to VoLL determined in accordance with clause 3.9.5(d).

(d) NEMMCO must determine the average loss factors applicable to clause 3.9.5(c) by reference to the inter-regional loss factor equations relating to the relevant regulated interconnector.

### 3.9.6 Market Floor Price

(a) The market floor price is a price floor which is to be applied to dispatch prices.

(b) The value of the market floor price is $-1,000/MWh.

(c) By 30 April each year the Reliability Panel must, as part of its review of VoLL under clause 3.9.4(c), conduct a review in accordance with the Rules consultation procedures and publish a report on the value of the market floor price that it recommends should apply from 1 July in the year commencing after the year in which the review is conducted.

(d) The value of the market floor price recommended by the Reliability Panel must be a level which the Reliability Panel considers will:

1. allow the market to clear in most circumstances;
2. not create substantial risks which threaten the overall stability and integrity of the market; and
3. take into account any other matters the Reliability Panel considers relevant.

(e) The Reliability Panel’s report must set out the conclusions of its review and the recommendation in relation to the level of the market floor price, including details of all relevant market conditions and circumstances on which the recommendation is based.

### 3.9.6A Application of the Market Floor Price

(a) Dispatch prices at regional reference nodes must not be less than the market floor price.

(b) If central dispatch and determination of dispatch prices in accordance with rule 3.8, and clauses 3.9.2 and 3.9.3 would otherwise result in a dispatch price less than the market floor price at any regional reference node, then subject to clause 3.9.6A(c), the dispatch price at that regional reference node must be set to the market floor price.
(c) If the dispatch price at any regional reference node is set to the market floor price under clause 3.9.6A then dispatch prices at all other regional reference nodes connected by a regulated interconnector or regulated interconnectors that have an energy flow towards that regional reference node must be equal to or greater than the product of market floor price multiplied by the average loss factor for that dispatch interval between that regional reference node and the regional reference node at which dispatch prices have been set to the market floor price in accordance with clause 3.9.6A.

(d) NEMMCO must determine the average loss factors applicable to clause 3.9.6A(c) by reference to the inter-regional loss factor equations relating to the relevant regulated interconnector.

### 3.9.7 Pricing for constrained-on scheduled generating units

(a) In the event that an intra-regional network constraint causes a scheduled generating unit to be constrained-on in any dispatch interval, that scheduled generating unit must comply with dispatch instructions from NEMMCO in accordance with its availability as specified in its dispatch offer but may not be taken into account in the determination of the dispatch price in that dispatch interval.

(b) A Scheduled Generator that is constrained-on in accordance with clause 3.9.7(a) is not entitled to receive from NEMMCO any compensation due to its dispatch price being less than its dispatch offer price.

### 3.10 [Deleted]

### 3.11 Ancillary Services

#### 3.11.1 Introduction

(a) Ancillary services are services that are essential to the management of power system security, facilitate orderly trading in electricity and ensure that electricity supplies are of acceptable quality.

(b) Market ancillary services are ancillary services which are acquired by NEMMCO as part of the spot market in accordance with this Chapter 3. The prices for market ancillary services are determined using the dispatch algorithm.

(c) Non-market ancillary services are ancillary services which are not acquired by NEMMCO as part of the spot market, but under agreements which are entered into following a call for offers in accordance with this rule 3.11. The prices for non-market ancillary services are determined in accordance with the relevant ancillary services agreements.

#### 3.11.2 Market ancillary services

(a) The market ancillary services are:

1. the fast raise service;
(2) the *fast lower service*;
(3) the *slow raise service*;
(4) the *slow lower service*;
(5) the *regulating raise service*;
(6) the *regulating lower service*;
(7) the *delayed raise service*; and
(8) the *delayed lower service*.

(b) **NEMMCO** must make and publish a *market ancillary service specification* containing:

1. a detailed description of each kind of *market ancillary service*; and
2. the performance parameters and requirements which must be satisfied in order for a service to qualify as the relevant *market ancillary service* and also when a *Market Participant* provides the relevant kind of *market ancillary service*.

(c) **NEMMCO** may amend the *market ancillary service specification*, from time to time.

(d) **NEMMCO** must comply with the *Rules consultation procedures* when making or amending the *market ancillary service specification*.

(e) An amendment to the *market ancillary service specification* must not take effect until at least 30 days after the amendment has been published.

### 3.11.3 Acquisition of non-market ancillary services

(a) **NEMMCO** must use reasonable endeavours to acquire *non-market ancillary services* in accordance with the remaining relevant provisions of rule 3.11.

(b) The requirement for **NEMMCO** to acquire *non-market ancillary services* referred to in clause 3.11.3(a) must be met in the following ways:

1. by **NEMMCO** setting minimum standards which are to be dealt with in *Registered Participants’ connection agreements* for the technical performance of the service; or
2. by **NEMMCO** acquiring ancillary services in accordance with this rule 3.11 or giving a *direction* in accordance with clause 4.8.9.

(c) **NEMMCO** must make and publish a set of *minimum technical ancillary service standards* that must be met by all *Registered Participants* who have entered into a *connection agreement*.

(d) **NEMMCO** may amend the *minimum technical ancillary service standards* from time to time.
(e) NEMMCO must comply with the Rules consultation procedures when making or amending the minimum technical ancillary service standards.

(f) In setting or amending minimum technical ancillary service standards, NEMMCO must:

(1) take into account the provisions of connection agreements existing at the time of setting or amending such standards;

(2) ensure that proposed minimum technical ancillary service standards do not impose more onerous material obligations on parties to existing connection agreements, as a whole, than are imposed by such existing connection agreements;

(3) take into account and minimise the additional costs overall that may arise from proposed minimum technical ancillary service standards for parties to existing connection agreements generally; and

(4) take into account the obligations imposed on parties to connection agreements by Chapter 5 of the Rules and any applicable derogation.

(g) The minimum technical ancillary service standards are not intended to, nor are to be read or construed as having the effect of:

(1) altering any term of a connection agreement;

(2) altering the contractual rights or obligations of any of the parties under a connection agreement as between those parties; or

(3) relieving the parties under any such connection agreement of their contractual obligations under such agreement or obligations under Chapter 5 of the Rules.

(h) An amendment to the minimum technical ancillary service standards must not take effect until at least 30 days after the publication of the report required under the Rules consultation procedures.

(i) NEMMCO is not responsible for payment to a Registered Participant for services provided by that Registered Participant under a connection agreement or under clause 4.9.2(b).

(j) A Network Service Provider must advise NEMMCO of all ancillary services or similar services to be provided by a Registered Participant under a connection agreement to which that Network Service Provider is a party.

(k) NEMMCO may instruct a Registered Participant to provide a non-market ancillary service agreed to be provided under a connection agreement and any Registered Participant so instructed must use reasonable endeavours to comply with any such instruction.
3.11.4 Procedure for determining quantities of network control ancillary services

(a) NEMMCO must develop and publish a detailed description of each network control ancillary service.

(b) NEMMCO must develop and publish a procedure for determining the quantities of each kind of network control ancillary service required for NEMMCO:

1. to achieve the power system security and reliability standards; and
2. where practicable to enhance network transfer capability whilst still maintaining a secure operating state when, in NEMMCO’s reasonable opinion, the resultant expected increase in network control ancillary service costs will not exceed the resultant expected increase in benefits of trade from the spot market.

(c) NEMMCO may amend the description developed under clause 3.11.4(a) and the procedure referred to in clause 3.11.4(b).

(d) NEMMCO must comply with the Rules consultation procedures when making or amending descriptions or procedures under clause 3.11.4.

3.11.4A Guidelines and objectives for acquisition of system restart ancillary services

(a) The objective for system restart ancillary services is to minimise the expected economic costs to the market in the long term and in the short term, of a major supply disruption, taking into account the cost of supplying system restart ancillary services, consistent with the national electricity objective (the SRAS objective).

(b) NEMMCO must use reasonable endeavours to acquire system restart ancillary services in accordance with the relevant provisions of clause 3.11.4A.

(c) Each of the guidelines and SRAS description which NEMMCO is required to develop and publish in accordance with clause 3.11.4A must be:

1. consistent with the SRAS objective;
2. designed to ensure the system restart standard is met; and
3. designed to ensure that the need for system restart ancillary services in each electrical sub-network is met, to the extent that it is practicable and reasonable to do so, by NEMMCO entering into ancillary services agreements for the provision of primary restart services.

(referred to collectively as the SRAS procurement objectives).

(d) NEMMCO must develop and publish a detailed description of each type of system restart ancillary service in accordance with the guidelines determined by the Reliability Panel under clause 8.8.3(aa)(4), which description must identify:
(1) whether the system restart ancillary service is a primary restart service or a secondary restart service;

(2) the technical and availability requirements of each type of system restart ancillary service; and

(3) any other matter considered relevant by NEMMCO,

(the SRAS description).

(e) In order to demonstrate that there is a reasonable degree of certainty that a facility is capable of delivering the relevant system restart ancillary service if required to do so, NEMMCO must develop and publish guidelines for undertaking:

(1) modelling and assessment of the technical capabilities of system restart ancillary services proposed to be submitted as part of a SRAS expression of interest or in response to a NMAS invitation to tender;

(2) physical testing of system restart ancillary services as required by the NMAS tender guidelines under clause 3.11.5(b)(2); and

(3) any other analysis which NEMMCO considers appropriate,

(the SRAS assessment guidelines).

(f) NEMMCO must develop and publish the procedure for determining the number, type and location of system restart ancillary services required to be procured for each electrical sub-network consistent with the system restart standard determined by the Reliability Panel (the SRAS quantity guidelines).

(g) NEMMCO may amend the SRAS assessment guidelines, the SRAS quantity guidelines and the SRAS description.

(h) NEMMCO must comply with the Rules consultation procedures when making or amending the SRAS assessment guidelines, the SRAS quantity guidelines and the SRAS description.

3.11.4B Determination of electrical sub-network boundaries

(a) For the purpose of acquiring system restart ancillary services and determining and implementing the system restart plan, the power system is to be divided into electrical sub-networks.

(b) NEMMCO must determine the boundaries of the electrical sub-networks in accordance with the guidelines determined by the Reliability Panel under clause 8.8.3(aa)(5).

(c) NEMMCO must comply with the Rules consultation procedures in determining the boundaries of the electrical sub-networks.
3.11.5 Tender process for non-market ancillary services

(a) Except as provided in clause 4.8.9, if NEMMCO proposes to acquire a non-market ancillary service, NEMMCO must call for offers in accordance with the NMAS tender guidelines from persons who are in a position to provide the non-market ancillary service so as to have the required effect at a connection to a transmission network.

(b) NEMMCO must determine and publish the NMAS tender guidelines. Separate NMAS tender guidelines may be prepared in respect of network control ancillary services and system restart ancillary services. The NMAS tender guidelines must contain the following:

(1) a requirement for NEMMCO to call for NMAS expressions of interest before issuing an NMAS invitation to tender in relation to any required non-market ancillary services;

(2) a requirement that a person who is required to provide SRAS under an ancillary services agreement has the facility tested in accordance with:
   (i) the SRAS assessment guidelines referred to in clause 3.11.4A(e); and
   (ii) the timeframes for physical testing referred to in subparagraph (5);

(3) a requirement that a person who is to provide network control ancillary services under an ancillary services agreement has the facility tested in accordance with the NMAS tender guidelines;

(4) a requirement for a Network Service Provider or other Registered Participant to assist a prospective tenderer in identifying and, if possible, resolving issues that would prevent the delivery of effective system restart ancillary services proposed by a prospective tenderer;

(5) the timeframes over which NEMMCO’s assessment of NMAS tenders and physical testing of selected non-market ancillary services will occur;

(6) the period for which each non-market ancillary service may be contracted;

(7) a requirement for a tenderer to provide data, models and parameters of relevant plant, sufficient to facilitate a thorough assessment of the network impacts and power station impacts of the use of the relevant non-market ancillary service;

(8) the minimum terms and conditions of the ancillary services agreement that a successful tenderer would be expected to enter into with NEMMCO;

(9) the principles NEMMCO must adopt in assessing NMAS tenders; and

(10) any other matter considered appropriate by NEMMCO.
(c) NEMMCO may amend the NMAS tender guidelines and must comply with the
Rules consultation procedures when making or amending the NMAS tender
guidelines.

(d) A Registered Participant is not under any obligation to submit an NMAS tender
in response to an NMAS invitation to tender.

(e) NEMMCO is not under any obligation to accept the lowest priced NMAS tender
or any NMAS tender in response to an NMAS invitation to tender.

(f) A Network Service Provider must:

(1) negotiate in good faith with a prospective tenderer in respect of issues the
NMAS tender guidelines require a prospective tenderer to discuss and, if
possible, resolve with a Network Service Provider; and

(2) participate in, or facilitate, testing of a system restart ancillary service
required by the NMAS tender guidelines where it is reasonable and
practicable to do so, and when participating in or facilitating such
activities, the Network Service Provider will be entitled to recover from
the relevant Registered Participant all reasonable costs incurred by the
Network Service Provider and for such purposes the activities of the
Network Service Provider will be treated as negotiable services.

(g) Where a Registered Participant submits a NMAS tender in response to a NMAS
invitation to tender and NEMMCO wishes to negotiate an aspect of that NMAS
tender, NEMMCO and the Registered Participant must negotiate in good faith
concerning that aspect.

(h) Where the tender is for network control ancillary services, in assessing any
offers submitted in response to a call for offers under this clause 3.11.5,
NEMMCO must seek to acquire the quantity of the relevant kind of network
control ancillary services determined in accordance with clause 3.11.4 by
competitive tender and in accordance with this clause 3.11.5(h). A tender will
be deemed to be a competitive tender for a particular network control ancillary
service if the required quantity of that service determined in accordance with
clause 3.11.4 can be supplied from the conforming offers received by
NEMMCO with any one conforming offer discarded or all conforming offers
from any one party discarded. If a tender process is not deemed to be a
competitive tender for a particular network control ancillary service, then
NEMMCO and those Registered Participants that submitted conforming and
non-conforming tenders selected by NEMMCO, must negotiate in good faith to
agree reasonable terms and conditions for the supply of the relevant kind of
network control ancillary service, taking into account the need to:

(1) subject to clause 3.11.5(h)(2), so far as practicable minimise the overall
cost of supply of that service; and

(2) appropriately remunerate the providers of the relevant network control
ancillary service for that service.

(i) If NEMMCO and the Registered Participants selected by NEMMCO cannot
agree on the terms and conditions for the supply of a network control ancillary
service after 21 business days from delivery to the Registered Participant of a written notice to negotiate, then either NEMMCO or the Registered Participant may refer the matter to an Adviser for the determination of a dispute as to those terms and conditions in accordance with rule 8.2.

(j) Subject to clause 3.11.5(k), NEMMCO must not acquire non-market ancillary services from any person who is not a Registered Participant.

(k) NEMMCO may enter into an agreement to acquire non-market ancillary services with a person who is not a Registered Participant if that agreement includes a condition for the benefit of NEMMCO that no ancillary services will be provided under the agreement until that person becomes a Registered Participant.

(l) If NEMMCO calls for offers under clause 3.11.5(a) in respect of a type of non-market ancillary service, NEMMCO must give notice to Registered Participants when it believes that it has available, under ancillary services agreements, a sufficient quantity of that type of non-market ancillary service (as determined by applying the procedure developed under clause 3.11.4(b) or clause 3.11.4A(f), whichever is relevant).

(m) Within 5 business days of NEMMCO giving a notice under clause 3.11.5(l), NEMMCO must publish the total quantity of each kind of network control ancillary service acquired by NEMMCO under ancillary services agreements under clause 3.11.5.

(n) Within 5 business days of NEMMCO giving a notice under clause 3.11.5(l), NEMMCO must publish:

(1) the total estimated annual cost for the provision of system restart ancillary services, broken down to charges for availability and use, or other factors that NEMMCO considers appropriate for each electrical sub-network; and

(2) the number of those services procured for each electrical sub-network.

(o) A Registered Participant must comply with an ancillary services agreement between the Registered Participant and NEMMCO under which the Registered Participant provides one or more non-market ancillary services.

(p) A dispute concerning any aspect, (other than the aspect of price), of a system restart ancillary services agreement or a tender conducted by NEMMCO for the acquisition of system restart ancillary services, must be dealt with in accordance with rule 8.2.

3.11.6 Procedures for the dispatch of non-market ancillary services by NEMMCO

(a) NEMMCO must develop procedures for:
(1) dispatching each kind of non-market ancillary service NEMMCO requires in order to maintain the power system in a secure operating state; and

(2) reporting to Registered Participants, on a periodic basis, on the effectiveness of the dispatch of non-market ancillary services using criteria related to the performance of the power system specified in the procedures developed pursuant to clause 3.11.6(a)(1).

(b) NEMMCO must make the procedures developed under this clause 3.11.6 available to the Registered Participants.

(c) NEMMCO may amend a procedure developed under this clause 3.11.6, from time to time.

(d) NEMMCO must comply with the Rules consultation procedures when making or amending procedures pursuant to clause 3.11.6.

3.11.7 Performance and testing

(a) In addition to the requirements under rule 4.15, a Market Participant which has classified a generating unit as an ancillary service generating unit or a market load as an ancillary service load must install and maintain in accordance with the standards referred to in clause 3.11.7(b) monitoring equipment to monitor and record the response of the ancillary service generating unit or ancillary service load to changes in the frequency of the power system.

(b) NEMMCO must develop, and may amend from time to time, standards which must be met by Market Participants in installing and maintaining the equipment referred to in clause 3.11.7(a).

(c) NEMMCO may request a Market Participant with an ancillary service generating unit or an ancillary service load to provide to NEMMCO a report detailing how the relevant facility responded to a particular change or particular changes in the frequency of the power system. A Market Participant must provide a report requested under this clause 3.11.7(c) promptly but, in any event, in no more than 20 business days after notice to do so.

(d) NEMMCO may from time to time require a Registered Participant which provides a market ancillary service under the Rules or a non-market ancillary service under an ancillary services agreement to demonstrate the relevant plant’s capability to provide the ancillary service to the satisfaction of NEMMCO according to standard test procedures. A Registered Participant must promptly comply with a request by NEMMCO under this clause.

3.12 Market Intervention by NEMMCO

3.12.1 Intervention settlement timetable

(a) NEMMCO must use reasonable endeavours to complete and fulfil its obligations set out in clauses 3.12.2, 3.12.3, 3.15.7, 3.15.7A, 3.15.7B, 3.15.8 and 3.15.10C as soon as practicable and no later than:
(1) 100 business days after the end of the NEMMCO intervention event or the end of a series of related NEMMCO intervention events if NEMMCO is not required to appoint an independent expert pursuant to clause 3.15.7A; and

(2) 150 business days after the end of the NEMMCO intervention event or the end of a series of related NEMMCO intervention events if NEMMCO is required to appoint an independent expert pursuant to clause 3.15.7A.

(b) Subject to clause 3.12.1(a), NEMMCO must publish a timetable that sets a date for each of NEMMCO’s and the independent expert’s obligations pursuant to clauses 3.12.2, 3.12.3, 3.15.7, 3.15.7A, 3.15.7B, 3.15.8 and 3.15.10C, where required (the “intervention settlement timetable”).

(c) NEMMCO must at least once a month revise and publish the intervention settlement timetable to reflect any changes to the intervention settlement timetable.

3.12.2 Affected Participants and Market Customers entitlements to compensation in relation to NEMMCO intervention

(a) In respect of each intervention price trading interval:

(1) an Affected Participant is entitled to receive from NEMMCO, or must pay to NEMMCO, an amount as determined in accordance with this clause 3.12.2 that will put the Affected Participant in the position that the Affected Participant would have been in regarding the scheduled generating unit or scheduled network service, as the case may be, had the NEMMCO intervention event not occurred, taking into account solely the items listed in paragraph (j);

(2) a Market Customer, other than a Market Customer which was the subject of any direction that constituted the NEMMCO intervention event, is entitled, in respect of one or more of its scheduled loads, to receive an amount calculated by applying the following formula:

\[ DC = ((RRP \times LF) - \text{BidP}) \times QD \]

where:

DC (in dollars) is the amount the Market Customer is entitled to receive in respect of that scheduled load for the relevant intervention price trading interval;

RRP (in dollars per MWh) is the regional reference price in the relevant intervention price trading interval determined in accordance with clause 3.9.3;

LF where the scheduled load’s connection point is a transmission connection point, is the intra-regional loss factor at that connection point or where the scheduled load’s connection point is a distribution network connection point, is the product of the distribution loss factor at that connection point multiplied by the
intra-regional loss factor at the transmission connection point to which it is assigned;

BidP (in dollars per MWh) is the price of the highest priced price band specified in a dispatch offer for the scheduled load in the relevant intervention price trading interval;

QD (in MWh) is the difference between the amount of electricity consumed by the scheduled load during the relevant intervention price trading interval determined from the metering data and the amount of electricity which NEMMCO reasonably determines would have been consumed by the scheduled load if the NEMMCO intervention event had not occurred,

provided that if DC is negative for the relevant intervention price trading interval, then the adjustment that the Market Customer is entitled to claim in respect of that scheduled load for that intervention price trading interval is zero.

(b) In respect of a single intervention price trading interval, an Affected Participant or Market Customer is not entitled to receive from, or obliged to pay to, NEMMCO an amount pursuant to this clause 3.12.2 if such an amount is less than $5,000.

(c) In respect of each intervention price trading interval, NEMMCO must, in accordance with the intervention settlement timetable, notify, in writing:

(1) each Affected Participant (except eligible persons) of:

(i) the estimated level of dispatch in MW that its scheduled network service or scheduled generating unit would have been dispatched at had the NEMMCO intervention event not occurred; and

(ii) an amount equal to:

(A) the estimated trading amount that it would have received had the NEMMCO intervention event not occurred based on the level of dispatch in subparagraph (i), less:

(B) the trading amount for that Affected Participant (excluding from that trading amount the amount referred to in clause 3.15.10C(a)) as set out in its final statement provided pursuant to clause 3.15.14 for the billing period in which the intervention price trading interval occurs;

(2) each eligible person of:

(i) the estimated level of flow in MW of all relevant directional interconnectors that would have occurred had the NEMMCO intervention event not occurred; and

(ii) an amount equal to:
(A) the estimated amount that person would have been entitled to receive pursuant to clause 3.18.1(b) had the NEMMCO intervention event not occurred based upon the flows referred to in subparagraph (i); less

(B) the actual entitlement of that person under clause 3.18.1(b); and

(3) each Market Customer, the amount calculated by NEMMCO in accordance with paragraph (a)(2) for that Market Customer.

(d) NEMMCO must include in an Affected Participant’s or Market Customer’s final statement provided pursuant to clause 3.15.1 for a billing period in which one or more intervention price trading intervals occurred:

(1) the amount notified by NEMMCO pursuant to paragraph (c) if the absolute value of such amount is greater than $5,000; and

(2) in all other cases no amount in relation to compensation pursuant to this clause 3.12.2.

(e) If the figure calculated in accordance with paragraph (c) is:

(1) negative, the absolute value of that amount is the amount payable to NEMMCO by the relevant person; and

(2) positive, the absolute value of that amount is the amount receivable from NEMMCO by the relevant person.

(f) Subject to paragraphs (h) and (i), within 7 business days of receipt of the notice referred to in paragraph (c) an Affected Participant or Market Customer may make a written submission to NEMMCO in accordance with paragraph (g) claiming that the amount set out in the notice is greater than, less than, or equal to its entitlement pursuant to paragraph (a)(1) as an Affected Participant or paragraph (a)(2) as a Market Customer, as the case may be.

(g) A written submission made by an Affected Participant or Market Customer pursuant to paragraph (f) must:

(1) itemise each component of the claim;

(2) contain sufficient data and information to substantiate each component of the claim;

(3) if the Affected Participant claims that the amount calculated by NEMMCO pursuant to paragraphs (c)(1) or (c)(2) is less than the amount the Affected Participant is entitled to receive pursuant to paragraph (a)(1), specify the difference between such amounts (such difference being the “affected participant’s adjustment claim”);

(4) if the Market Customer claims that the amount calculated by NEMMCO pursuant to paragraph (c)(3) is less than the amount the Market Customer is entitled to receive pursuant to paragraph (a)(2), specify the difference
between such amounts (such difference being the “market customer’s additional claim”); and

(5) be signed by an authorised officer of the Affected Participant or Market Customer certifying that the written submission is true and correct.

(h) If an Affected Participant or Market Customer does not deliver to NEMMCO a written submission in accordance with paragraph (f) it shall cease to have an entitlement to compensation under this clause 3.12.2.

(i) In respect of a single intervention price trading interval an Affected Participant or Market Customer may only make a claim pursuant to paragraph (f) in respect of that intervention price trading interval if it claims that its entitlement or liability pursuant to this clause 3.12.2 is greater than $5,000.

(j) In determining the amount for the purposes of paragraph (a)(1), the following must, as appropriate, be taken into account:

(1) the direct costs incurred or avoided by the Affected Participant in respect of that scheduled generating unit or scheduled network service, as the case may be, as a result of the NEMMCO intervention event including:

(ii) fuel costs in connection with the scheduled generating unit or scheduled network service;

(iii) incremental maintenance costs in connection with the scheduled generating unit or scheduled network service; and

(iv) incremental manning costs in connection with the scheduled generating unit or scheduled network service;

(2) any amounts which the Affected Participant is entitled to receive under clauses 3.15.6 and 3.15.6A; and

(3) the regional reference price published pursuant to clause 3.13.4(m).

(k) NEMMCO must in accordance with the intervention settlement timetable calculate the “additional intervention claim” being the total of:

(1) the sum of the affected participant’s adjustment claims and market customer’s additional claims in respect of a NEMMCO intervention event, or in respect of, in NEMMCO’s reasonable opinion, a series of related NEMMCO intervention events; plus

(2) the total claims by Directed Participants pursuant to clauses 3.15.7B(a), 3.15.7B(a1) and 3.15.7B(a2) in respect of that NEMMCO intervention event, or in respect of that series of related NEMMCO intervention events.

(l) NEMMCO must in accordance with the intervention settlement timetable:

(1) refer an affected participant’s adjustment claim or market customer’s additional claim to an independent expert to determine such claim in
accordance with clause 3.12.3 if the claim is equal to or greater than $20,000 and the additional intervention claim that includes that claim is equal to or greater than $100,000; and

(2) determine in its sole discretion whether all other affected participants’ adjustment claims and market customers’ additional claims are reasonable and if so pay the amounts claimed in accordance with clause 3.15.10C.

(m) If NEMMCO determines pursuant to paragraph (l) that an affected participant’s adjustment claim or market customer’s additional claim in respect of a NEMMCO intervention event is unreasonable, it must in accordance with the intervention settlement timetable:

(1) advise the Affected Participant or Market Customer, as the case may be, in writing of its determination including its reasons for the determination; and

(2) refer the matter to an independent expert to determine the claim for compensation in accordance with clause 3.12.3.

(n) For the purposes of clauses 3.15.8 and 3.15.10C(b) any payment pursuant to paragraph (a) must include interest on the sum of that amount less the payment made in accordance with 3.15.10C(a)(1), computed at the average bank bill rate for the period from the date on which payment was required to be made under clauses 3.15.16 and 3.15.17 in respect of the final statement for the billing period in which the NEMMCO intervention event occurred to the date on which payment is required to be made pursuant to clause 3.15.10C.

3.12.3 Role of the Independent Expert in calculating payments in relation to intervention by NEMMCO

(a) Subject to clause 3.12.3(a1), if a matter is to be referred to an independent expert pursuant to clauses 3.12.2(l), 3.12.2(m) or 3.15.7B, NEMMCO must in accordance with the intervention settlement timetable publish a notice of its proposed nominee as independent expert and appoint such nominee.

(a1) If within 3 business days of publication of NEMMCO’s nominee pursuant to clause 3.12.3(a) more than 25% of the Referred Affected Participants, Referred Market Customers and Referred Directed Participants in relation to that direction object in writing to NEMMCO’s nominee NEMMCO must, as soon as reasonably practicable thereafter, request the AEMC to nominate an independent expert.

(a2) If a valid objection pursuant to clause 3.12.3(a1) is made, the AEMC must, within 3 business days of a written request from NEMMCO, nominate an independent expert to be appointed by NEMMCO for the purposes of this clause 3.12.3.

(b) NEMMCO must provide to the independent expert a copy of all written submissions made by Referred Affected Participants, Referred Market Customers or Referred Directed Participants under clause 3.12.2(f) or 3.15.7B (a).
(b1) To the extent reasonably practicable, all claims arising out of a single NEMMCO intervention event or arising out of, in NEMMCO’s reasonable opinion, a series of related NEMMCO intervention events, should be determined by the same independent expert as part of the same process.

(c) NEMMCO must include as part of the independent expert’s terms of appointment the following requirements:

(1) In accordance with the intervention settlement timetable the independent expert must:

(i) determine and publish a draft report setting out:

(A) as appropriate, the total compensation payable by, or receivable by, Referred Affected Participants and Referred Market Customers under clause 3.12.2(a) pursuant to claims referred to the independent expert pursuant to clauses 3.12.2(l) and 3.12.2(m) in respect of the intervention price trading interval;

(B) the total amount of compensation payable to Referred Directed Participants pursuant to clause 3.15.7B; and

(C) the methodology and assumptions, if any, used by the independent expert in making the determination in clauses 3.12.3(c)(1)(ii) and 3.12.3(c)(1)(iii);

(ii) notify individual assessments by delivery to each Referred Affected Participant and Referred Market Customer and to NEMMCO of a draft assessment detailing the amount payable or receivable by that party, as the case may be, pursuant to clause 3.12.2(a); and

(iii) deliver to each Referred Directed Participant and to NEMMCO a draft assessment detailing the calculation of the amount of compensation receivable by that party pursuant to 3.15.7B.

(2) The independent expert must call for submissions from all relevant Referred Affected Participants, Referred Market Customers and Referred Directed Participants after publishing the draft report and delivering the draft assessment under clause 3.12.3(c)(1).

(3) Before the publication of the final report and delivery of the final assessment pursuant to clause 3.12.3(c)(4), the independent expert must:

(i) if requested to do so by a Referred Affected Participant, Referred Market Customer or Referred Directed Participant, within 15 business days of the publication of the draft report and draft assessment, meet with representatives of the Referred Affected Participant, Referred Market Customer, or Directed Participant to discuss any queries it has in relation to the draft report or draft assessment as appropriate; and
(ii) take into consideration, any further written submissions made by a
Referred Affected Participant, Referred Market Customer or
Referred Directed Participant in relation to the draft report or draft
assessment, as the case may be, if the independent expert receives
those submissions within 15 business days of the publication of the
draft report and draft assessment.

(4) The independent expert must in accordance with the intervention
settlement timetable:

(i) prepare and publish a final report;

(ii) prepare and deliver his or her final assessment of the amounts
payable or receivable by the relevant party pursuant to clause
3.12.2(a) or 3.15.7B, as the case may be; and

(iii) deliver to NEMMCO a final tax invoice for the services rendered
by the independent expert and a copy of all final assessments
issued pursuant to clause 3.12.3(c)(ii).

(5) A report prepared under clauses 3.12.3(c)(1)(i) and 3.12.3(c)(4)(i) must
not disclose confidential information.

(6) If the independent expert requires further information than that contained
in a written submission made by the Referred Affected Participant,
Referred Market Customer or Referred Directed Participant under clause
3.12.2(f) or 3.15.7B(a), the independent expert may advise the relevant
party in writing of the information required.

(7) If the relevant party has not provided that information to the independent
expert within 10 business days of the date of the request for further
information, then the independent expert, acting reasonably, is entitled to
make such assumptions concerning that information as he or she thinks
appropriate.

(8) The independent expert must enter into, and deliver, a confidentiality
deed for the benefit of each Referred Affected Participant, Referred
Market Customer and Referred Directed Participant in a form developed
by NEMMCO pursuant to clause 3.12.3(e).

(d) A final report and a final assessment of an independent expert prepared in
accordance with clause 3.12.3(c)(4) is final and binding.

(e) NEMMCO must in accordance with the Rules consultation procedures prepare
and publish a confidentiality deed for the purposes of this clause 3.12.3.

3.12A Mandatory restrictions

3.12A.1 Restriction offers

(a) NEMMCO must develop, and may vary from time to time, in accordance with
the Rules consultation procedures a mandatory restrictions trading system.
The trading system must include:
(1) procedures for the acquisition by NEMMCO of capacity the subject of restriction offers;

(2) the standard terms and conditions upon which NEMMCO shall accept a restriction offer;

(3) the criteria to be applied by NEMMCO in the appointment of an appropriately qualified independent expert for the purposes of clause 3.12A.7(g)(ii); and

(4) procedures for the rebidding and dispatch of capacity the subject of an accepted restriction offer.

(b) The restriction offer procedures must take into account the following principles:

(1) NEMMCO may accept a restriction offer for all or part of the capacity of a scheduled generating unit or scheduled network service, as recorded in the registered bid and offer data for that scheduled generating unit or scheduled network service.

(2) NEMMCO must use its reasonable endeavours to acquire capacity from valid restriction offers or to terminate in whole or part an accepted restriction offer in a manner that minimises the estimated restriction shortfall amount.

(3) NEMMCO may at any time terminate an accepted restriction offer in whole or in part by providing 4 hours notice to the relevant Scheduled Generator or Scheduled Network Service Provider that an accepted restriction offer is so terminated.

(4) The submission of restriction offers must be made in the form and by the means set out in procedures developed and published by NEMMCO for the purpose of the submission of restriction offers.

(5) If a restriction offer is made in accordance with the restriction offer procedures, NEMMCO must make available to the parties who submitted the restriction offer the following information without delay:

   (i) acknowledgment of receipt of a valid restriction offer; and

   (ii) notification detailing why a restriction offer is invalid, if appropriate.

(6) If any details contained within a restriction offer are inconsistent with the registered bid and offer data provided by the relevant party then NEMMCO has the right to reject that restriction offer as invalid.

(7) A valid restriction offer must set out for each trading interval of a trading day:

   (i) the price offered in $/MWh or as otherwise permitted by the restriction offer procedures; and
(ii) MW amount for that trading interval being offered.

(8) NEMMCO must only accept restriction offers from Scheduled Generators and Scheduled Network Service Providers with a connection point located in the region in which mandatory restrictions apply or are proposed to apply.

(c) The standard terms and conditions developed by NEMMCO pursuant to clause 3.12A.1(a)(2) must take into account the following principles:

(1) All capacity the subject of the restriction offer must be available for immediate dispatch in the central dispatch process at all times.

(2) An accepted restriction offer is binding and may only be revoked or varied if the Scheduled Generator or Scheduled Network Service Provider notifies NEMMCO in accordance with the restriction offer procedures of a revocation or variation. Immediately upon receipt of such notification NEMMCO must amend the accepted restriction offer to reduce the capacity of the accepted restriction offer by the notified capacity. Such capacity must not be dispatched by NEMMCO pursuant to a dispatch offer for such capacity during the remainder of the trading day in which the accepted restriction offer was revoked or varied in accordance with this clause 3.12.A.1(c) provided that such capacity may be re-offered as a restriction offer.

(3) A restriction offer may be amended or revoked in accordance with the restriction offer procedures at any time prior to it becoming an accepted restriction offer.

3.12A.2 Mandatory restrictions schedule

(a) NEMMCO must, within 4 hours of receipt of a formal written notice from a Jurisdictional Co-ordinator advising that the relevant participating jurisdiction proposes to invoke mandatory restrictions:

(1) in consultation with such participating jurisdiction, and in accordance with any procedures developed with that participating jurisdiction, estimate the effect in MW of the mandatory restrictions on the region's demand for each trading interval of the next trading day of the proposed mandatory restriction period; and

(2) prepare and deliver to the Jurisdictional Co-ordinator a schedule of capacity for each trading interval of the next trading day of the proposed mandatory restriction period which is approximately equal to the estimated reduction in regional demand due to the mandatory restrictions net of all scheduled loads in that region.

(b) NEMMCO must regularly in conjunction with the relevant Jurisdictional Co-ordinator review the current mandatory restriction schedule and when appropriate prepare and deliver to the Jurisdictional Co-ordinator a revised schedule of capacity for each trading interval of that trading day which is approximately equal to the revised estimated reduction in regional demand due to the mandatory restrictions net of all scheduled loads in that region.
(c) NEMMCO may only publish a mandatory restriction schedule and an amended mandatory restriction schedule upon receipt of a formal written notice approving the mandatory restriction schedule from the relevant Jurisdictional Co-ordinator.

3.12A.3 Acquisition of capacity

(a) NEMMCO must immediately upon publication of a mandatory restriction schedule or an amended mandatory restriction schedule use its reasonable endeavours to acquire, in accordance with the restriction offer procedures, capacity to meet the mandatory restriction schedule or amended mandatory restriction schedule as the case may be.

(b) NEMMCO must terminate in accordance with the restriction offer procedures such number of accepted restriction offers, in whole or in part, so that the total capacity of existing accepted restriction offers as far as practicable equals the amended mandatory restriction schedule.

3.12A.4 Rebid of capacity under restriction offers

In each dispatch interval when mandatory restrictions apply, each scheduled generating unit or scheduled network service the subject of an accepted restriction offer with respect to that dispatch interval must rebid the total capacity the subject of such restriction offer by varying the respective dispatch offers or network dispatch offers in accordance with the procedures developed pursuant to clause 3.12A.1(a)(4).

3.12A.5 Dispatch of restriction offers

(a) In a dispatch interval NEMMCO may only dispatch the capacity of a scheduled generating unit or scheduled network service in accordance with the procedures for the rebidding and dispatch of capacity the subject of an accepted restriction offer developed by NEMMCO in consultation with Registered Participants. Such procedures must as far as reasonably practical incorporate the following principles:

(i) dispatch of accepted restriction offers only after all the capacity of scheduled loads, scheduled generating units and scheduled network services contained in valid dispatch offers and dispatch bids have been dispatched;

(ii) recognise any requirement for advance notice or action for generators to operate at minimum generation, provide advance notice to loads or obtain capacity of market network services that are or may become the subject of a NEMMCO intervention event;

(iii) be consistent with the price of accepted restriction offers in accordance with clause 3.12A.6; and

(iv) minimise the restriction shortfall amount.

(b) Notwithstanding the provisions of this clause 3.12A.5, at no time is NEMMCO required to dispatch the capacity of a Scheduled Generator or Scheduled
Network Service Provider the subject of an accepted restriction offer if such dispatch would prevent NEMMCO from meeting its obligations for system security.

3.12A.6 Pricing during a restriction price trading interval

During a mandatory restriction period, dispatch prices must be determined by the central dispatch process based on dispatch offers, dispatch bids and network dispatch offers in accordance with clause 3.9.2, provided that NEMMCO must calculate the dispatch price as if the dispatch offer price for all capacity the subject of an accepted restriction offer was the maximum price permitted by clause 3.8.6(h) and 3.8.6A(i) notwithstanding any other provision of the Rules.

3.12A.7 Determination of funding restriction shortfalls

(a) NEMMCO is entitled to the trading amount received by Scheduled Generators and Scheduled Network Service Providers from the dispatch of capacity the subject of an accepted restriction offer in accordance with 3.15.10B.

(b) NEMMCO must, as soon as reasonably practicable following the end of a mandatory restriction period, calculate:

(i) the aggregate amount payable to NEMMCO pursuant to clause 3.12A.7(a) from all accepted restriction offers in that mandatory restriction period;

(ii) the aggregate amount payable by NEMMCO pursuant to all accepted restriction offers in that mandatory restriction period; and

(iii) the sum of the amount determined under clause 3.12A.7(b)(i) less the amount determined under clause 3.12A.7(b)(ii) (the 'restriction shortfall amount').

(b1) The maximum amount payable to a Scheduled Generator or Market Participant for any accepted restriction offer of that Scheduled Generator or Market Participant during a mandatory restriction period is the aggregate of the maximum possible spot price for each trading interval within the mandatory restriction period, being VoLL or an administered price cap as the case may be, multiplied by the capacity of the accepted restriction offer in MWh for each corresponding trading interval.

(c) Notwithstanding any other provisions of the Rules, the absolute value of the restriction shortfall amount must not exceed the sum of the maximum possible spot price for a trading interval, being VoLL or an administered price cap as the case may be, multiplied by the aggregate of the capacity of all accepted restriction offers in MWh for that trading interval for all trading intervals in the mandatory restriction period.

(d) Notwithstanding any other provision of the Rules, if the restriction shortfall amount is capped pursuant to clause 3.12A.7(c) and the restriction shortfall amount calculated pursuant to clause 3.12A.7 is a negative number, then the amount payable by NEMMCO pursuant to each accepted restriction offer is to be reduced pro-rata until clause 3.12A.7(c) is satisfied.
(e) If the restriction shortfall amount is a negative number, Market Customers in the relevant region must pay to NEMMCO an amount determined in accordance with clause 3.12A.7(f) or 3.12A.7(g).

(f) If the restriction shortfall amount is between minus $100,000 and $0, then each Market Customer in the relevant region must pay to NEMMCO an amount determined in accordance with the following formula:

\[ MCP = RSA \times \frac{(AGE)}{(AAGE)} \]

Where:

MCP is the amount payable by a Market Customer in accordance with this clause 3.12A.7(f).

RSA is the restriction shortfall amount.

AGE is the adjusted gross energy of a Market Customer in that region for the mandatory restriction period expressed in MWh.

AAGE is the aggregate of the adjusted gross energy of all Market Customers in that region for the mandatory restriction period expressed in MWh.

(g) If the restriction shortfall amount is less than minus $100,000:

(i) each Market Customer in the relevant region must pay to NEMMCO an amount determined in accordance with the following formula:

\[ RCP = (RSA + IE) \times (RD/TRD) \]

Where

RCP is the amount payable to NEMMCO by a Market Customer in that region following the cessation of the mandatory restriction period.

RSA is the restriction shortfall amount incurred by NEMMCO upon the cessation of the mandatory electricity restriction period.

RD is the Market Customer’s restriction demand reduction.

TRD is the sum of RD for all Market Customers in the relevant region.

IE is the amount of the independent expert’s final tax invoice delivered to NEMMCO in accordance with clause 3.12A.7(i)(11) plus any amounts payable by NEMMCO on behalf of the independent expert as determined by the dispute resolution panel established in accordance with clause 3.12A.7(m); and

(ii) NEMMCO must within 10 days of the end of a mandatory restriction period appoint an appropriately qualified independent expert as
NEMMCO’s agent to determine the restriction demand reduction claimed by each Market Customer in a region for the purposes of clause 3.12A.7(g).

(h) If the restriction shortfall amount is a positive number then NEMMCO must pay to Market Customers in the relevant region an amount equal to:

\[ RCRP = RSA \times \frac{(AGE)}{(AAGE)} \]

Where:

- RCRP is the payment to be made by NEMMCO to Market Customers pursuant to this clause 3.12A.7.
- RSA is the restriction shortfall amount.
- AGE is the adjusted gross energy of a Market Customer in that region for the mandatory restriction period expressed in MWh.
- AAGE is the aggregate of the adjusted gross energy of all Market Customers in that region for the mandatory restriction period expressed in MWh.

(i) When appointing the independent expert under clause 3.12A.7(g), NEMMCO must include as part of the independent expert’s terms of appointment the following requirements:

1. The independent expert must prepare a statement of the principles which the independent expert believes should be followed in determining the restriction demand reduction of Market Customers.

2. Within 5 business days of his or her appointment, the independent expert must provide NEMMCO with details of his or her estimated fees and costs.

3. Within 5 business days of his or her appointment, the independent expert must provide the statement prepared under clause 3.12A.7(i)(1) to all Market Customers in the relevant region and request that each Market Customer in the relevant region provide him or her with details of the restriction demand reduction claimed by that Market Customer and such additional information specified by the independent expert to fulfil its obligations.

4. The independent expert must offer to meet with and consult each Market Customer who may be liable to make a payment to NEMMCO pursuant to clause 13.12A.7(g).

5. The independent expert must within 30 business days of his or her appointment or such later date as approved by NEMMCO in its sole discretion:
(i) publish a draft report; and

(ii) provide each Market Customer in the relevant region with a draft statement.

(6) The draft report must contain:

(i) the restriction shortfall amount based upon the independent expert’s estimated fees and costs; and

(ii) the methodology used by the independent expert in determining the restriction demand reduction of each Market Customer in a region.

The draft report must not contain details pertaining to individual Market Customers.

(7) A draft statement provided to a Market Customer must contain:

(i) the Market Customer’s restriction demand reduction as determined by the independent expert;

(ii) the estimated amount payable by that Market Customer under clause 3.12A.7(g), based upon the independent experts estimated fees and costs; and

(iii) information showing how the estimated amount referred to in clause 3.12A.7(i)(7)(ii) was calculated.

(8) The independent expert must within 50 business days of his or her appointment or such later date as approved by NEMMCO in its sole discretion make any necessary amendments to his or her draft report and draft statements following consultation with Market Customers, and:

(i) publish his or her final report; and

(ii) provide each Market Customer in the relevant region with a final statement.

(9) The independent expert’s final report must contain the information set out in clause 3.12A.7(i)(6).

(10) A final statement provided to a Market Customer by the independent expert must contain the information set out in clause 3.12A.7(i)(7).

(11) The independent expert must provide NEMMCO with his or her final tax invoice for services rendered at the time of publication of the final report.

(i1) Each Market Customer must within 10 business days of the independent expert requesting information in accordance with clause 3.12A.7(i)(3) deliver to the independent expert all such information.

(ii) The independent expert may request a Market Customer to provide further information that he or she requires to prepare either the draft or final report or a draft or final statement within 5 business days of the request being made.
(j) A Market Customer must not unreasonably withhold information sought by the independent expert and must use its reasonable endeavours to provide the independent expert with the information required within the relevant timeframe specified in this clause 3.12A.7.

(k) If a Market Customer has not provided the independent expert with information required under this clause 3.12A.7 within the specified time period, then the independent expert is entitled to make such assumptions concerning that information as he or she thinks appropriate.

(l) Subject to the review process specified in clause 3.12A.7(m), a determination made by an independent expert appointed under clause 3.12A.7(g) binds all Market Customers.

(m) Following the publication of the independent expert’s final report, a Market Customer may request the Adviser to establish a dispute resolution panel to redetermine that Market Customer's restriction demand reduction only if the Market Customer reasonably believes that the independent expert's determination:

   (1) has incorrectly assessed the restriction demand reduction of that Market Customer by more than 10%; or

   (2) was made negligently or in bad faith.

(n) The determination of a dispute resolution panel established under clause 3.12A.7(m):

   (1) binds all Market Customers and each Market Customer must comply with a determination of the dispute resolution panel; and

   (2) may only order reimbursement of the reasonable fees and expenses incurred by a Market Customer in disputing the independent expert’s determination and no other amounts.

(o) Any amounts determined by the dispute resolution panel as payable by NEMMCO on behalf of the independent expert for the reasonable fees and expenses incurred by a Market Customer in disputing the independent expert’s determination must be included on the next statement provided under clauses 3.15.14 and 3.15.15.

3.12A.8 Cancellation of a mandatory restriction period

(a) At the cessation time designated in the mandatory restriction schedule, NEMMCO must:

   (1) immediately terminate all current restriction offers; and

   (2) publish a notice detailing the termination of all current restriction offers following the cancellation of the relevant mandatory restriction period.
3.12A.9 Review by AEMC

(a) The AEMC must, in accordance with clause 3.12A.9(b), conduct a review of the operation of the provisions applicable to mandatory restrictions including:

(1) the integration of restriction offers and mandatory restrictions into the market; and

(2) any other matters which the AEMC reasonably believes are relevant to the operation of clauses 3.12A.1 to 3.12A.8 and clause 3.15.10B.

(b) The review conducted by the AEMC in accordance with clause 3.12A.9(a) must:

(1) include an analysis of:

   (i) the accuracy of the forecast demand reduction due to restrictions and the impact any error had on the resulting spot price;

   (ii) whether the impact on the spot price resulting from an error in the forecast demand reduction due to restrictions adversely affects one group of Scheduled Generators or Market Participants over another group;

   (iii) the restriction offer prices for contracts accepted by NEMMCO in meeting the mandatory restriction schedule including a comparison with the expected revenue the capacity subject to the restriction offer would have earned in the spot market taking into account the circumstances in which restriction offers were made;

(2) be conducted in accordance with the Rules consultation procedures; and

(3) commence following the first application of the mandatory restrictions where the estimated effect in MW of mandatory restrictions on a region’s demand met or exceeded 10% of that region’s estimated demand for the same period.

3.13 Market Information

3.13.1 Provision of information

(a) In addition to any specific obligation or power of NEMMCO under the Rules to provide information, NEMMCO must make available to Scheduled Generators and Market Participants on request any information concerning the operation of the market not defined by the AEMC or the Rules as confidential or commercially sensitive and may charge a fee reflecting the cost of providing any information under this clause 3.13.1(a).

(b) NEMMCO must make information available to the public on request in respect of the regional reference price at any regional reference node and, where requested and available, reasons for any significant movements in prices.
3.13.2 Systems and procedures

(a) Information must be provided to NEMMCO and by NEMMCO on the electronic communication system unless otherwise approved by NEMMCO. In circumstances where the electronic communication system is partially or wholly unavailable then information will, to the extent of that unavailability, be provided to NEMMCO and by NEMMCO by means of the backup procedures specified by NEMMCO from time to time.

(b) Information must be provided by using the templates supplied in the electronic communication system unless otherwise approved by NEMMCO.

(c) Where approved by NEMMCO, information may be transmitted to and from NEMMCO and the Scheduled Generator or Market Participant concerned in any agreed format.

(d) If possible, information provided to NEMMCO must be time stamped by NEMMCO on receipt by NEMMCO of the information by the electronic communication system and, if stamped, is deemed to be provided at the time indicated by the time stamp.

(e) Information that is published by NEMMCO is deemed to be published when the information is placed on the market information bulletin board.

(f) The market information bulletin board must be accessible by Scheduled Generators and Market Participants via the electronic communication system subject to applicable security requirements.

(g) Information published or notified to a Scheduled Generator or Market Participant must be capable of being reviewed by that Scheduled Generator or Market Participant and be capable of being downloaded from the market information bulletin board to the Scheduled Generator or Market Participant via the electronic communication system.

(h) All Scheduled Generators and Market Participants must notify NEMMCO of, and NEMMCO must publish, any changes to submitted information within the times prescribed in the timetable.

(i) NEMMCO must make a copy of all changes to the data available to each Scheduled Generator and Market Participant for verification and resubmission by the Scheduled Generator or Market Participant as necessary.

(j) All revisions must be provided on the electronic communication system and in the same format as the original information.

(k) A Scheduled Generator or Market Participant may withhold information from NEMMCO which must otherwise be provided under the Rules if:

(1) the information is of a confidential or commercially-sensitive nature and is not information of a kind that, in the reasonable opinion of the AEMC, is fundamental to the efficient operation of the market; or
(2) disclosure of the information would have the likely effect of causing detriment to the person required to provide it unless, in the reasonable opinion of the AEMC, the public benefit resulting from the provision of the information outweighs that detriment.

(l) [Deleted]

(m) Nothing in clause 3.13.2(k) allows a Scheduled Generator or Market Participant to avoid providing information to NEMMCO under the Rules where that information is generally available.

3.13.3 Standing data

(a) NEMMCO must establish, maintain, update and publish:

(1) a list of all of the Scheduled Generators and Market Participants and a list of all applications to become a Scheduled Generator or Market Participant, including the Scheduled Generator and Market Participant information as set out in schedule 3.1;

(2) a list of all of the Scheduled Generators and Market Participants who will cease to be Scheduled Generators or Market Participants and the time that each listed Scheduled Generator or Market Participant will cease to be a Scheduled Generator or Market Participant;

(3) a list of all of the Scheduled Generators and Market Participants who are or are going to be suspended and the time at which each listed Scheduled Generator or Market Participant was suspended or will be suspended.

(b) All Scheduled Generators and Market Participants must provide NEMMCO with the registered bid and offer data relevant to their scheduled loads, scheduled network services and generating units in accordance with schedule 3.1.

(c) All Scheduled Generators and Market Participants will be required to provide NEMMCO with information as set out below:

(1) forecasts for connection points as prescribed in clause 5.6.1; and

(2) metering information for settlements purposes as prescribed in Chapter 7.

(d) Network Service Providers are to maintain a register of data provided by Scheduled Generators and Market Participants for planning and design purposes in accordance with schedule 5.7 of Chapter 5 and are to provide a copy of this register of data to NEMMCO on request and in a form specified by NEMMCO.

(e) Network Service Providers must, without delay, notify and provide NEMMCO with details of any additions or changes to the register of data described in clause 3.13.3(d).

(f) Each year, by a date to be specified by NEMMCO, Network Service Providers must provide NEMMCO with the following information:
(1) expected network capability under normal, outage and emergency conditions;

(2) electrical data sufficient to allow power system modelling under steady state and dynamic conditions, this data to be made available in hard copy and an acceptable industry standard electronic format approved by NEMMCO; and

(3) operating procedures and practices for network operation and maintenance.

(g) Network Service Providers must notify NEMMCO of any changes to the information provided under clause 3.13.3(f) as soon as practicable.

(h) Scheduled Generators and Market Participants must notify NEMMCO of any changes to registered bid and offer data one month prior to the implementation of planned changes and without unreasonable delay in the event of unplanned changes.

(i) Network Service Providers must notify NEMMCO of any changes or additions to technical data one month prior to the implementation of planned changes and without unreasonable delay in the event of unplanned changes.

(j) NEMMCO must conduct an annual review of Scheduled Generator and Market Participant registered bid and offer data in consultation with Scheduled Generators and Market Participants and Scheduled Generators and Market Participants must advise NEMMCO of any required changes to the data.

(k) Subject to the requirements relating to disclosure of information under clause 5.3.8(a), a Registered Participant may request from NEMMCO:

(1) registered bid and offer data;

(2) information that is reasonably required by the Registered Participant to carry out power system studies (including load flow and dynamic simulations) for planning and operational purposes including:

(i) historical information relating to the operating conditions of the power system that is not confidential information;

(ii) information and data provided to NEMMCO under paragraphs (f)(1), (f)(3) and (g); and

(iii) details of the shared transmission and distribution network impedance data and other technical data as listed in schedules 5.5.3 and 5.5.4; and

(3) operation and maintenance procedures and practices for transmission network or distribution network operation, developed for the purposes of schedule 5.1 sufficient to enable the Registered Participant to carry out power system modelling under normal, outage and emergency conditions.
(l) Where NEMMCO holds information requested under paragraph (k), it must be provided to the Registered Participant as soon as practicable.

(m) Where special approvals or exemptions have been granted by NEMMCO, including approval to aggregate generating units, market network services, loads for central dispatch, or exemptions from central dispatch, details of such special arrangements must be published by NEMMCO.

(n) NEMMCO must determine and publish intra-regional loss factors in accordance with clause 3.6.2 by 1 April each year and whenever changes occur.

(o) Network Service Providers must advise NEMMCO of their distribution loss factors, duly authorised by the AER, and NEMMCO must publish such distribution loss factors in accordance with clause 3.6.3(i).

(p) NEMMCO must publish on a quarterly basis details of:

(1) interconnector transfer capability; and

(2) the discrepancy between interconnector transfer capability and the capacity of the relevant interconnector in the absence of outages on the relevant interconnector only,

for each day of the preceding quarter for all interconnectors.

Statement of opportunities

(q) By 31 October in each year, NEMMCO must prepare and publish at a reasonable charge to cover the cost of production, a statement of opportunities, including at least the following information for the subsequent 10 year period:

(1) projections of aggregate MW demand and energy requirements for each region;

(2) generating capabilities of existing generating units and generating units for which formal commitments have been made for construction or installation;

(3) planned plant retirements;

(4) a summary of network capabilities and constraints based upon Annual Planning Reports; and

(5) operational and economic information about the market to assist planning by:

(i) Scheduled Generators and Market Participants; and

(ii) potential Scheduled Generators and Market Participants.

(r) If after the publication of the most recent statement of opportunities, significant new information becomes available to NEMMCO relating to:
(1) the matters covered by paragraphs (q)(1),(2) and (3); or

(2) the matters covered by clause 5.6.5(c)(8) and (9),

NEMMCO must, as soon as practicable, publish that information in a descriptive form that is consistent with the statement of opportunities.

(s) In preparing a statement of opportunities NEMMCO may seek the assistance of the Inter-regional Planning Committee.

(t) As soon as practicable after a Scheduled Generator, Market Participant or Network Service Provider becomes aware of any information required for publication by NEMMCO under paragraph (q), that information must be provided to NEMMCO by that Scheduled Generator, Market Participant or Network Service Provider.

(u) By 1 November each year, NEMMCO must prepare and provide a report to the Reliability Panel on:

(1) the accuracy of the demand forecasts to date in the most recent statement of opportunities; and

(2) any improvements made by NEMMCO or other relevant parties to the forecasting process that will apply to the next statement of opportunities.

(v) The Reliability Panel must publish each report provided to it under paragraph (u) within ten business days after being provided with that report.

### 3.13.4 Spot market

(a) Each week, in accordance with the timetable, NEMMCO must publish details of the outcome of the medium term PASA.

(b) The details to be published by NEMMCO under clause 3.13.4(a) must include the information specified in clause 3.7.2(f).

(c) Each day, in accordance with the timetable, NEMMCO must publish details of the outcome of the short term PASA for each trading interval covered.

(d) The details of the short term PASA published each day by NEMMCO under clause 3.13.4(c) must include the information specified in clause 3.7.3(h).

(e) Each day, in accordance with the timetable, NEMMCO must publish a half hourly pre-dispatch schedule for the period described in clause 3.8.20(a).

(f) Details of the pre-dispatch schedule to be published must include the following for each trading interval in the period covered:

(1) forecasts of the most probable peak power system load plus required scheduled reserve for each region and for the total power system;

(2) forecasts of the most probable energy consumption for each region and for the total power system;
(3) forecast inter-regional loss factors;

(4) aggregate generating plant availability for each region and aggregate availability of each type of market ancillary service for each region;

(5) projected supply surpluses and deficits for each region, including shortages of scheduled reserve and projected market ancillary service surpluses and deficits for each region;

(5A) the aggregated MW allowance (if any) made by NEMMCO for generation from non-scheduled generating systems in each forecast:

(i) of the most probable peak power system load referred to in clause 3.13.4(f)(1);

(ii) referred to in clause 3.13.4(f)(2);

(iii) of aggregate generating plant availability referred to in clause 3.13.4(f)(4); and

(iv) of projected supply surpluses and deficits referred to in clause 3.13.4(f)(5) but not including shortages of scheduled reserve or projected market ancillary service surpluses and deficits for each region.

(5B) in respect of each forecast:

(i) of the most probable peak power system load referred to in clause 3.13.4(f)(1);

(ii) referred to in clause 3.13.4(f)(2);

(iii) of aggregate generating plant availability referred to in clause 3.13.4(f)(4); and

(iv) of projected supply surpluses and deficits referred to in clause 3.13.4(f)(5) but not including shortages of scheduled reserve or projected market ancillary service surpluses and deficits for each region,

a value that is the sum of that forecast and the relevant aggregated MW allowance (if any) referred to in clause 3.13.4(f)(5A); and

(6) identification and quantification of:

(i) when and where the projected conditions are found to be inadequate;

(ii) any trading intervals for which low reserve or lack of reserve conditions are forecast to apply;

(iii) where a projected supply deficit in one region can be supplemented by a surplus in a neighbouring region (dependent on forecast interconnector capacities) and the expected interconnector flow;
(iv) forecast interconnector transfer capabilities and the projected impact of any inter-network tests on those transfer capabilities; and

(v) when and where network constraints may become binding on the dispatch of generation or load.

(g) Each day, in accordance with the timetable, NEMMCO must publish forecasts of spot prices and ancillary service prices at each regional reference node for each trading interval or dispatch interval (as applicable) of the period described in clause 3.8.20(a), with such forecasts being based on the pre-dispatch schedule information.

(h) Together with its forecast spot prices, NEMMCO must publish details of the expected sensitivity of the forecast spot prices to changes in the forecast load or generating unit availability.

(i) In accordance with the timetable or more often if there is a change in circumstances which in the opinion of NEMMCO results in a significant change in forecast spot price, or in any event no more than 3 hours after the previous such publication, NEMMCO must prepare and publish updated pre-dispatch schedules and spot price forecasts, including the details specified in clause 3.13.4(f).

(j) If NEMMCO considers there to be a significant change in a forecast spot price, NEMMCO must identify and publish the cause of such a change in terms of the aggregate supply and demand situation and any network constraints in or between the affected region(s).

(k) NEMMCO must specify and publish its criteria for a significant change in forecast spot price for the purposes of activating an update in the published forecasts.

(l) Within 5 minutes of each time NEMMCO runs the dispatch algorithm, NEMMCO must publish the dispatch price for each regional reference node calculated in accordance with clause 3.9.2 and the ancillary service price for each market ancillary service for each regional reference node calculated in accordance with clause 3.9.2A.

(m) Within 5 minutes of the conclusion of each trading interval, NEMMCO must publish the regional reference prices for each region for that trading interval.

(n) Each day, in accordance with the timetable, NEMMCO must publish the actual regional reference prices, ancillary service prices, regional and total interconnected system loads and energies, inter-regional flows, inter-regional loss factors and details of any network constraints for each trading interval in the previous trading day.

(o) Within 2 business days of an event whereby a scheduled generating unit has been constrained off or constrained on in the central dispatch by a network constraint within its own region, NEMMCO must advise the Scheduled Generator and Network Service Provider, with whom the relevant Scheduled Generator has a connection agreement in respect of that scheduled generating unit, of the following information:
(1) the dispatch intervals in which the constraint applied; and

(2) NEMMCO's reasonable estimate of the MW quantities at which the scheduled generating unit would otherwise have been dispatched in each relevant trading interval in accordance with its dispatch offer and in the absence of the network constraint.

(p) Each day, in accordance with the timetable, NEMMCO must publish details of final dispatch offers, dispatch bids and market ancillary service offers received and actual availabilities of generating units, scheduled network services, scheduled loads and market ancillary services for the previous trading day, including:

(1) the number and times at which rebids were made, and the reason provided by the Scheduled Generator or Market Participant for each rebid under clause 3.8.22(c)(2).

(2) identification of the Scheduled Generator or Market Participant submitting the dispatch bid, dispatch offer or market ancillary offer;

(3) the dispatch bid or dispatch offer prices;

(4) quantities for each trading interval;

(5) the ramp rate of each generating unit, scheduled load and scheduled network service as measured by NEMMCO's telemetry system; and

(6) identification of trading intervals for which the plant was specified as being inflexible in accordance with clause 3.8.19 and the reasons provided by the Scheduled Generator or Market Participant in accordance with clause 3.8.19(b)(1)

(q) Each day, in accordance with the timetable, NEMMCO must publish details of actual generation, dispatched generation, dispatched network service or dispatched load for each scheduled generating unit, scheduled network service and scheduled load, respectively, in each trading interval for the previous trading day.

(r) Each day, in accordance with the timetable, NEMMCO must publish details of actual generation for each non-scheduled generating unit or non-scheduled generating system, in each trading interval for the previous trading day.

(s) Where NEMMCO publishes details as referred to in clause 3.13.4(r), the requirement to publish applies only to data available to NEMMCO.

(t) NEMMCO may, in publishing the details referred to in clause 3.13.4(s), publish aggregated information of actual generation for non-scheduled generating units or non-scheduled generating systems that have a nameplate rating that is less than 30 MW.

(u) Each time NEMMCO runs the dispatch algorithm it must, within 5 minutes, publish for the relevant dispatch interval:
(1) details of any MW allowance made by NEMMCO for generation from non-scheduled generating systems in its forecast regional demand;

(2) for each regional reference node the sum of the actual generation for each non-scheduled generating unit or non-scheduled generating system; and

(3) for each regional reference node, a value that is the sum of the regional demand value used by NEMMCO in its dispatch algorithm to calculate the dispatch price referred to in clause 3.13.4(l) and the sum of the actual generation referred to in clause 3.13.4(u)(2).

(v) Where NEMMCO publishes the information referred to in clause 3.13.4(u), the requirement for NEMMCO to publish applies only to data available to NEMMCO.

(w) Each day, in accordance with the timetable, NEMMCO must publish details of any operational irregularities arising on the previous trading day including, for example, any circumstances in which there was prima facie evidence of a failure to follow dispatch instructions.

(x) Each trading interval, NEMMCO must, for each regional reference node, publish the demand for that trading interval, both inclusive and exclusive of the aggregate actual generation from non-scheduled generating systems.

3.13.4A Market ancillary services

(a) NEMMCO must each week, in accordance with the timetable, publish a forecast of the requirements for each type of market ancillary service for each region for the following week.

(b) NEMMCO must publish information describing the key factors which determine the requirement for each type of market ancillary service and how they impact on forecast requirements.

(c) NEMMCO must publish information detailing any significant changes to the forecast requirement for any market ancillary service previously published under clause 3.13.4A(a), as soon as reasonably practicable after becoming aware of that information.

3.13.5 Ancillary services contracting by NEMMCO

(a) NEMMCO must publish annually the costs of all of its operations associated with the acquisition of market ancillary services and non-market ancillary services.

(b) NEMMCO must publish annually the quantities and categories of non-market ancillary services covered under existing ancillary services agreements and the additional quantities of non-market ancillary services for which NEMMCO expects to enter into ancillary services agreements within the ensuing 12 months.

(c) Information published under clauses 3.13.5(a) or (b) must include:
(1) the costs and quantities associated with each category of ancillary service purchased or to be purchased; and

(2) where possible, the regions in respect of which costs were or are expected to be incurred and ancillary services were or are expected to be provided.

3.13.5A Settlement residue auctions

(a) If NEMMCO conducts an auction under rule 3.18, NEMMCO must, as soon as practicable thereafter, make available to all Registered Participants a report outlining:

(1) the auction clearing prices;

(2) all bids (but not the name of any bidder); and

(3) the proceeds of each such auction.

(b) NEMMCO must, as soon as practicable after the final statements for a billing period have been given to Market Participants under clause 3.15.15, make available to all Registered Participants a report setting out:

(1) the total settlements residue;

(2) the amount of settlements residue attributable to each directional interconnector (including the amount paid pursuant to the jurisdictional derogations in Chapter 9); and

(3) the amount of settlement residue attributable to intra-regional loss factors for each region, for that billing period.

(c) NEMMCO may provide copies of its reports under clauses 3.13.5A(a) and (b) to persons other than Registered Participants, and may charge a fee for doing so to cover an appropriate share of the costs of preparing the report.

3.13.6 [Deleted]

3.13.6A Report by NEMMCO

(a) NEMMCO must, as soon as reasonably practicable after issuing a direction, publish a report outlining:

(1) the circumstances giving rise to the need for the direction;

(2) the basis on which it determined the latest time for that direction and on what basis that it determined that a market response would not have avoided the need for the direction;

(3) details of the changes in dispatch outcomes due to the direction;

(4) the processes implemented by NEMMCO to issue the direction;
(5) if applicable, the basis upon which \textit{NEMMCO} did not follow any or all of the processes set out in rule 4.8 either in whole or in part prior to the issuance of the \textit{direction};

(6) if applicable, the basis upon which \textit{NEMMCO} considered it impractical to set \textit{spot prices} and \textit{ancillary service prices} in accordance with clause 3.9.3(b);

(7) details of the adequacy and effectiveness of responses to inquiries made by \textit{NEMMCO} under clause 4.8.5A(d); and

(8) information regarding any notification by a \textit{Registered Participant} that it will not be able to comply with a \textit{direction} under clause 4.8.9(d).

(b) As soon as reasonably practicable after \textit{NEMMCO} has, in accordance with clause 3.15.10C, included the amounts arising from a \textit{direction} in a settlement statement provided under clause 3.15.15, \textit{NEMMCO} must publish details of:

(1) the \textit{compensation recovery amount} arising from the \textit{direction} as calculated under clause 3.15.8(a) for the period of the \textit{direction};

(2) details of the calculation of the regional benefit determined under clause 3.15.8(b1); and

(3) a breakdown of the \textit{compensation recovery amount} by each category of \textit{Registered Participant}, as determined by \textit{NEMMCO}, in each \textit{region}.

### 3.13.7 Monitoring of significant variation between forecast and actual prices by AER

(a) The \textit{AER} must, after consulting with the \textit{AEMC}, specify and make available to \textit{Registered Participants} and the public, criteria which the \textit{AER} will use to determine whether there is a significant variation between the \textit{spot price forecast published} by \textit{NEMMCO} in accordance with clause 3.13.4 and the actual \textit{spot price} in any \textit{trading interval}. The \textit{AER} must, in accordance with these criteria, monitor in each \textit{trading interval} whether any such significant variation has occurred.

(b) The \textit{AER} must prepare and \textit{publish} a report in respect of each three month period commencing on 1 January, 1 April, 1 July and 1 October in each year. The report must:

(1) be \textit{published} no later than 4 weeks after the end of each three month period;

(2) identify and review each occasion when, in accordance with the criteria specified under clause 3.13.7(a), the \textit{AER} considers that a significant price variation has occurred;

(3) state why the \textit{AER} considers that the significant price variation occurred;

(4) be available to members of the public on request; and
(5) be provided to the AEMC.

(c) The ACCC or the AEMC may request the AER to report to it on a particular market outcome. If the ACCC or the AEMC makes a request of this type, the AER may provide a report on that market outcome. The report must review the market outcome raised by the ACCC or the AEMC (as the case may be) and state why the AER considers that the market outcome occurred.

(d) The AER must, within 20 business days of the end of a week in which the spot price exceeded $5,000/MWh in a trading interval or trading intervals, prepare and publish a report which must for each trading interval in which the spot price exceeded $5,000/MWh in that week:

1. describe the significant factors that contributed to the spot price exceeding $5,000/MWh, including the withdrawal of generation capacity and network availability;

2. assess whether rebidding pursuant to clause 3.8.22 contributed to the spot price exceeding $5,000/MWh; and

3. identify the marginal scheduled generating units for the dispatch intervals in the relevant trading interval and all scheduled generating units for which any dispatch offer for the trading interval was equal to or greater than $5,000/MWh and compare these dispatch offers to relevant dispatch offers in previous trading intervals.

(e) Where

1. prices at a regional reference node for a market ancillary service over a period significantly exceed the relevant spot price for energy; and

2. prices for that market ancillary service exceed $5,000 for a number of trading intervals within that period,

the AER must prepare and publish a report which:

3. describes the significant factors that contributed to the market ancillary service prices exceeding $5,000/MWh;

4. identifies any linkages between spot prices in the energy market and market ancillary service prices contributing to the occurrence; and

5. assesses whether rebidding pursuant to clause 3.8.22 contributed to prices exceeding $5,000/MWh.

3.13.8 Public information

(a) NEMMCO must publish on a daily basis the following information for the previous trading day:

1. regional reference price by trading interval;
(2) **power system load** for each **region** referred to the **regional reference node** by trading interval;

(3) **regional electricity consumption** in MWh by **trading interval**;

(4) **inter-regional power flows** by **trading interval**; and

(5) **inter-regional and intra-regional network constraints** by trading interval.

(b) All **market information** that **NEMMCO** is required to **publish** in accordance with the **Rules** shall also be made available by **NEMMCO** to persons other than **Registered Participants** using the **electronic communications system** on the fee basis described in clause 8.7.6. **NEMMCO** may make the **market information** available to persons other than **Registered Participants** using a mechanism other than the **market information bulletin board** on the fee basis described in clause 8.7.6, so long as that information is also available on the **market information bulletin board**.

(c) **NEMMCO** must make available for purchase by any party the **statement of opportunities** from the date of **publication** of such statement.

(d) **NEMMCO** must retain all information provided to it under the **Rules** for at least 6 years in whatever form it deems appropriate for reasonably easy access.

### 3.13.9 [Deleted]

### 3.13.10 Market auditor

(a) **NEMMCO** must appoint one or more **market auditors** to carry out **reviews** of such matters as **NEMMCO** considers appropriate which must include (but need not be limited to) a **review of**:

1. the calculations and allocations performed by the **metering system** and **settlements system**;

2. the billing and information systems;

3. the scheduling and **dispatch** processes;

4. the processes for software management;

5. the **NEMMCO** procedures and their compliance with the **Rules**.

(b) **NEMMCO** must ensure that the **market auditor** carries out the **reviews** to be carried out under clause 3.13.10(a) no less than annually.

(c) **A market auditor** shall be an **independent person**.

(d) **A market auditor** must report in writing to **NEMMCO**. **NEMMCO** must, after receiving the report, either:

1. approve the report, and any recommendations made in it, by noting such approval on the report or in a paper attached to the report; or
(2) prepare a separate report setting out the matters dealt with in the report which NEMMCO approves and those matters which NEMMCO does not approve and setting out NEMMCO’s reasons for that view.

(e) NEMMCO must publish any report received from the market auditor together with the material mentioned in clause 3.13.10(d).

3.13.11 [Deleted]

3.13.12 NMI Standing Data

(a) The authority responsible for administering the jurisdictional electricity legislation in for each participating jurisdiction may provide NEMMCO with a Jurisdictional NMI Standing Data schedule setting out the categories of NMI Standing Data which:

(1) Registered Participants are required by the participating jurisdiction’s legislation or licensing requirements to provide to NEMMCO in relation to connection points in that participating jurisdiction; and

(2) NEMMCO must make available to Market Customers, or a class of Market Customers, on request pursuant to its disclosure obligations under clauses 3.13.12(d) and (e).

Any such schedule must contain the matters set out in clause 3.13.12(c).

(b) A responsible authority may from time to time amend the Jurisdictional NMI Standing Data schedule in respect of the relevant participating jurisdiction, which amendments must be consistent with the matters set out in clause 3.13.12(c), and must promptly provide the amended schedule to NEMMCO.

(c) A valid Jurisdictional NMI Standing Data schedule must contain the following items:

(1) a specification of the categories of NMI Standing Data which NEMMCO must provide to Market Customers, or a specified class of Market Customers, on request, pursuant to its disclosure obligations under clauses 3.13.12(d) and (e), in respect of connection points in the relevant participating jurisdiction;

(2) details of the Jurisdictional NMI Standing Data suppliers, including which Registered Participants are required to provide that data in respect of particular connection points within that participating jurisdiction;

(3) the timetable which the relevant participating jurisdiction will implement to ensure Jurisdictional NMI Standing Data suppliers supply NMI Standing Data in respect of connection points in that participating jurisdiction to NEMMCO;

(4) the criteria which NEMMCO must use to identify whether NEMMCO must disclose NMI Standing Data for connection points in that
participating jurisdiction to particular Market Customers, pursuant to its disclosure obligations under clauses 3.13.12(d) and (e);

(5) the purposes connected with the facilitation of the wholesale electricity market for which the Market Customer may use NMI Standing Data;

(6) any additional information or criteria as may be determined by the authority responsible for administering the jurisdictional electricity legislation as necessary or appropriate in relation to the obligations of Jurisdictional NMI Standing Data suppliers and the release by NEMMCO of NMI Standing Data for connection points in that participating jurisdiction.

(d) NEMMCO must:

(1) publish the Jurisdictional NMI Standing Data schedules and any amendments to those schedules provided to it by the responsible authorities under clauses 3.13.12(a) and (b); and

(2) subject to clause 3.13.12(e), make available to Market Customers on request NMI Standing Data within the relevant categories in respect of connection points in a participating jurisdiction described in the Jurisdictional NMI Standing Data schedule for that participating jurisdiction.

(e) NEMMCO must only provide NMI Standing Data under this clause 3.13.12 to a Market Customer:

(1) that is a Market Customer or a member of a class of Market Customers fitting the criteria stated in the relevant Jurisdictional NMI Standing Data schedule as being entitled to receive that data;

(2) in accordance with the relevant valid Jurisdictional NMI Standing Data schedule; and

(3) for the purposes described in clause 3.13.12(g).

(f) Each Registered Participant which is a Jurisdictional NMI Standing Data supplier must provide the NMI Standing Data to NEMMCO which it is required to provide in accordance with the relevant Jurisdictional NMI Standing Data schedule, if any such Jurisdictional NMI Standing Data schedule has been provided to NEMMCO under clause 3.13.12(a):

(1) at no charge and in the format reasonably required by NEMMCO; and

(2) after having first done whatever may be required or otherwise necessary under any applicable privacy legislation (including if appropriate making relevant disclosures or obtaining relevant consents from end-use customers) taking into account that NEMMCO will use and disclose the NMI Standing Data in accordance with the Rules.
(g) **Market Customers** must only use **NMI Standing Data** provided to it by **NEMMCO** under this clause 3.13.12 for the purposes permitted by the relevant **Jurisdictional NMI Standing Data schedule**.

(h) Where a responsible authority has provided **NEMMCO** with a **Jurisdictional NMI Standing Data schedule** for the relevant participating jurisdiction and a **Registered Participant** which is a **Jurisdictional NMI Standing Data supplier** fails to provide **NEMMCO** with **NMI Standing Data** in accordance with clause 3.13.12(f) and **NEMMCO** becomes aware of that failure, then:

1. **NEMMCO** must advise the **Registered Participant** that, in its opinion, the **Registered Participant** is failing to comply with clause 3.13.12(f);

2. if the **Registered Participant** fails to provide **NEMMCO** with the **NMI Standing Data** within 5 **business days** of the notice provided under clause 3.13.12(h)(1), **NEMMCO** must notify the **AER** and the relevant responsible authority of the failure and the failure by the **Registered Participant** to provide the **NMI Standing Data** is to be dealt with by the responsible authority under the relevant **participating jurisdiction's legislation or licensing requirements** unless the responsible authority notifies **NEMMCO** otherwise in accordance with clause 3.13.12(h)(3); and

3. if, after receiving a notice from **NEMMCO** under clause 3.13.12(h)(2), the responsible authority notifies **NEMMCO** that the relevant **participating jurisdiction's legislation or licensing requirements** do not contain a regime which empowers the responsible authority to compel the **Registered Participant** to provide the **NMI Standing Data** to **NEMMCO**, **NEMMCO** must notify the **AER** of the failure by the **Registered Participant** to provide the **NMI Standing Data** under clause 3.13.12(f).

(i) Where a responsible authority has provided **NEMMCO** with a **Jurisdictional NMI Standing Data schedule** for the relevant participating jurisdiction and a **Market Customer**, that has been provided with **NMI Standing Data** by **NEMMCO** under clause 3.13.12(d) in accordance with that schedule, fails to use that **NMI Standing Data** in accordance with clause 3.13.12(g), and **NEMMCO** becomes aware of that failure, then:

1. **NEMMCO** must advise the **Market Customer** that, in its opinion, the **Market Customer** is failing to comply with clause 3.13.12(g);

2. if the **Market Customer** does not remedy the failure within 5 **business days** of the notice provided under clause 3.13.12(i)(1), **NEMMCO** must notify the relevant responsible authority of the failure and the failure by the **Market Customer** to use the **NMI Standing Data** in accordance with this clause 3.13.12 is to be dealt with by the responsible authority under the relevant **participating jurisdiction's legislation or licensing requirements** unless the responsible authority notifies **NEMMCO** otherwise in accordance with clause 3.13.12(i)(3); and

3. if, after receiving a notice from **NEMMCO** under clause 3.13.12(i)(2), the responsible authority notifies **NEMMCO** that the relevant **participating
jurisdiction’s legislation or licensing requirements do not contain a regime which empowers the responsible authority to regulate the use of the *NMI Standing Data* by a Market Customer, *NEMMCO* must notify the *AER* of the failure by the Market Customer to use the *NMI Standing Data* in accordance with clause 3.13.12(g).

(j) *NEMMCO* must if requested by a responsible authority:

(1) develop a regime for monitoring and reporting to the responsible authority on requests received by *NEMMCO* to provide *NMI Standing Data* to Market Customers for connections points in the relevant participating jurisdiction, in consultation with the responsible authority; and

(2) provide information to the responsible authority in accordance with the monitoring and reporting regime developed under this clause 3.13.12(j).

(k) Nothing in this clause 3.13.12:

(1) requires *NEMMCO* to make available *NMI Standing Data* if that *NMI Standing Data* has not been provided to *NEMMCO*;

(2) requires *NEMMCO* to make available *NMI Standing Data* where the collection, use or disclosure of that information by *NEMMCO* would breach applicable privacy laws;

(3) precludes *NEMMCO* from providing *NMI Standing Data* to a *Registered Participant* where the provision of that information is required to give effect to other provisions of the *Rules*;

(4) precludes *NEMMCO* from disclosing the information in the circumstances described in clause 8.6.2; and

(5) requires *NEMMCO* to provide information which its software systems cannot provide without modification.

### 3.13.13 Inter-network tests

(a) *NEMMCO* must publish the *test program* for an *inter-network test* as soon as practicable after determining it under clause 5.7.7(r).

(b) If *NEMMCO* amends the *test program* for an *inter-network test* it must publish details of the amendment.

(c) If *NEMMCO* proposes to conduct an *inter-network test* it must publish the approximate time of the test, giving as much notice as is reasonably practicable.

(d) If the time of an *inter-network test* is changed, *NEMMCO* must publish details of the change.
3.14 Administered Price Cap and Market Suspension

3.14.1 Cumulative Price Threshold and Administered Price Cap

(a) In conjunction with each participating jurisdiction, and after consulting Market Participants in accordance with the Rules consultation procedures, the AEMC must develop, authorise and publish and may vary from time to time a schedule to specify an administered price cap for each region to apply to spot prices and market ancillary service prices and to be used as described in this rule 3.14.

(b) The administered floor price for each region to apply to spot prices and to be used as described in clause 3.14.2 will be the negative of the value of the administered price cap.

(c) The cumulative price threshold is $150,000/MWh.

3.14.2 Application of Administered Price Cap

(a) [Deleted]

(b) NEMMCO must immediately notify all Market Participants of the commencement and closing of an administered price period under rule 3.14.

(c) A trading interval is to be an administered price period if in a region:

(1) the sum of the spot price in the previous 336 trading intervals, calculated as if this clause did not apply, exceeds the cumulative price threshold;

(1A) the sum of the ancillary service price for a market ancillary service in the previous 2016 dispatch intervals, calculated as if this clause did not apply, exceeds 6 times the cumulative price threshold;

(2) the trading interval occurs in a trading day in which a prior trading interval is an administered price period under this clause 3.14.2; or

(3) the previous trading interval was an administered price period and in NEMMCO’s opinion one or more trading intervals in the next business day will be an administered price period and NEMMCO deems, with the consent of the AER, the trading interval to be an administered price period.

(d) During an administered price period the procedures for PASA, dispatch, spot price and ancillary service price determination are to continue in accordance with the provisions of the Rules.

(d1) If, within an administered price period triggered because of clauses 3.14.2(c)(1), (2) or (3) in relation to energy, the dispatch price for the region identified in clause 3.14.2(c) calculated as if this clause 3.14.2(d1) did not apply:

(1) exceeds the administered price cap, then NEMMCO must set the dispatch price to the administered price cap; or
(2) is less than the administered floor price, NEMMCO must set the dispatch price to the administered floor price.

(d2) If within an administered price period an ancillary service price for a market ancillary service for the region identified in clause 3.14.2(c) calculated as if this clause 3.14.2(d2) did not apply exceeds the administered price cap, then NEMMCO must set that ancillary service price to the administered price cap.

(e) If during an administered price period the dispatch price:

(1) [Deleted]

(2) at any regional reference node is set to the administered price cap under clause 3.14.2, the dispatch prices at all other regional reference nodes connected by a regulated interconnector or regulated interconnectors that have an energy flow towards that regional reference node must not exceed the product of the administered price cap multiplied by the average loss factor for that dispatch interval between that regional reference node and the regional reference node at which dispatch prices have been set to the administered price cap determined in accordance with clause 3.14.2(e)(5).

(3) [Deleted]

(4) at any regional reference node is set to the administered floor price under clause 3.14.2, then dispatch prices at all other regional reference nodes connected by a regulated interconnector or regulated interconnectors that have an energy flow towards that regional reference node must be equal to or greater than the product of the administered floor price multiplied by the average loss factor for that dispatch interval between that regional reference node and the regional reference node at which dispatch prices have been set to the administered floor price determined in accordance with clause 3.14.2(e)(5).

(5) NEMMCO must determine the average loss factors applicable to clause 3.14.2(e)(2) and 3.14.2(e)(4) by reference to the inter-regional loss factor equations relating to the relevant regulated interconnector.

3.14.3 Conditions for suspension of the spot market

(a) Subject to clause 3.14.3(b), NEMMCO may declare the spot market to be suspended in a region when in respect of that region:

(1) the power system has collapsed to a black system;

(2) NEMMCO has been directed by a participating jurisdiction to suspend the market or operate all or part of the power system in a manner contrary to the provisions of the Rules following the formal declaration by that participating jurisdiction of a state of emergency under its emergency services or equivalent legislation; or
(3) **NEMMCO** determines that it is necessary to suspend the *spot market* in a *region* because it has become impossible to operate the *spot market* in accordance with the provisions of the *Rules*.

(a1) If **NEMMCO** declares the *spot market* to be suspended in a *region*, then all *spot prices* and *ancillary service prices* are set in accordance with clause 3.14.5 for that *region*.

(b) **NEMMCO** must not suspend the *spot market* solely because:

1. *spot prices* have reached *VoLL*;
2. *spot prices* have reached the *market floor price*;
3. **NEMMCO** has issued a *direction*; or
4. **NEMMCO** has otherwise intervened in the market under rule 3.12.

(c) **NEMMCO** must conduct reviews of each occasion when it suspended the *spot market* in order to assess the adequacy of the provision and response of *facilities* or services, and the appropriateness of actions taken to restore or maintain *power system security*.

(d) The report of the review carried out in accordance with clause 3.14.3(c) must be made available to *Registered Participants* and the public.

(e) A *Registered Participant* must co-operate in any such review conducted by **NEMMCO** (including making available relevant records and information).

(f) A *Registered Participant* must provide to **NEMMCO** such information relating to the performance of its equipment during and after a suspension of the *spot market* as **NEMMCO** reasonably requires for the purposes of analysing or reporting on that suspension.

(g) **NEMMCO** must provide to a *Registered Participant* such information or reports relating to the performance of that *Registered Participant's* equipment during a suspension of the *spot market* as that *Registered Participant* reasonably requests and in relation to which **NEMMCO** is required to conduct a review under this clause 3.14.3.

### 3.14.4 Declaration of market suspension

(a) The *spot market* can only be suspended by a declaration by **NEMMCO** under clause 3.14.3(a) and if the *spot market* is suspended, **NEMMCO** must notify all *Registered Participants* without delay.

(b) **NEMMCO** must not declare the *spot market* to be suspended retrospectively.

(c) The *spot market* is to be deemed to be suspended at the start of the *trading interval* in which **NEMMCO** makes a declaration that the *spot market* is suspended.
(d) Following a declaration by NEMMCO under clause 3.14.3(a), the spot market is to remain suspended until NEMMCO declares and informs all Registered Participants:

1. that spot market operation is to resume in accordance with this Chapter 3; and
2. of the time at which the spot market is to resume.

(e) If NEMMCO declares that the spot market is suspended:

1. NEMMCO may then issue directions to Registered Participants in accordance with clause 4.8.9; and
2. spot prices and ancillary service prices are to be set by NEMMCO in accordance with clause 3.14.5.

(f) NEMMCO must within 10 business days following the day on which, in accordance with the notice given by NEMMCO under clause 3.14.4(d), the spot market resumed, commence an investigation of that spot market suspension.

(g) The investigation must examine and report on the reason for the suspension and the effect that the suspension had on the operation of the spot market. NEMMCO must make a copy of the report available to Registered Participants and the public as soon as it is practicable to do so.

### 3.14.5 Pricing during market suspension

(a) If NEMMCO declares that the spot market is suspended then, as far as NEMMCO considers it practically and reasonably possible, it must follow the procedures in the Rules for PASA, dispatch and spot price and ancillary service price, subject to the application of clause 3.14.5.

(b) The spot price and the ancillary service price during a trading interval for which NEMMCO has declared the spot market to be suspended is to be determined by NEMMCO in accordance with clause 3.14.5.

(c) Subject to clauses 3.14.5(d), (g) and (j), if the spot market is suspended in a region then dispatch and the determination of spot prices and ancillary service prices in the region where the spot market is suspended are to continue in accordance with rules 3.8 and 3.9.

(d) If at any time on or during suspension of the spot market in a region:

1. in NEMMCO’s reasonable opinion it is not possible to continue dispatch and the determination of spot prices in the suspended region in accordance with rules 3.8 and 3.9;
2. the suspended region is connected by an unconstrained interconnector to another region;
3. the dispatch and determination of spot prices and ancillary service prices in the other region is continuing in accordance with rules 3.8 and 3.9; and
(4) **local market ancillary service requirements** do not apply in the **suspended region**, 

*NEMMCO* must:

(5) determine the **spot price** in the **suspended region** in accordance with clause 3.14.5(e); and

(6) continue to determine **ancillary service prices** in the **suspended region** in accordance with rules 3.8 and 3.9.

(e) In the circumstances described in clause 3.14.5(d) the **spot price** is to be determined by application of an appropriate **inter-regional loss factor** to the **spot price** in the adjacent **region** referred to in clause 3.14.5(d)(2), such **inter-regional loss factor** being determined by *NEMMCO* in accordance with the methodology in clause 3.6.2A and the actual flows on the relevant **unconstrained interconnectors**.

(f) If the **spot price** in the **suspended region** is being determined in accordance with clause 3.15.4(e), the **spot price** must continue to be determined in accordance with that clause until the earlier of:

(1) the time that the **spot market** is no longer suspended in the **region**; and

(2) the time that the spot price in the region is required to be determined in accordance with either clause 3.14.5(g) or clause 3.14.5(j).

(g) If at any time during suspension of the **spot market** in a **region**:

(1) either:

   (A) **dispatch** and the determination of **spot prices** and **ancillary service prices** is being effected in accordance with rules 3.8 and 3.9; or

   (B) the **spot prices** and **ancillary service prices** in the **suspended region** are being determined in accordance with clause 3.14.5(e); and

   (2) in *NEMMCO*’s reasonable opinion it is no longer practical to continue **dispatch** and the determination of **spot prices** and **ancillary service prices** in the **suspended region** in accordance with the clauses under which **dispatch**, **spot prices** and **ancillary service prices** are currently being determined; and

   (3) in *NEMMCO*’s reasonable opinion a current **pre-dispatch schedule** exists in respect of the **suspended region**,

then *NEMMCO* must determine the **spot prices** and **ancillary service prices** in the **suspended region** in accordance with clause 3.14.5(h).

(h) In the circumstances described in clause 3.14.5(g), the **spot prices** and **ancillary service prices** in the **suspended region** are set at *NEMMCO*’s forecast **regional reference price** and **ancillary service prices** determined in accordance with the most recently **published pre-dispatch schedule** if it is still current.
(i) If the spot prices and ancillary service prices in the suspended region are being determined in accordance with clause 3.15.4(h), they must continue to be determined in accordance with that clause until the earlier of:

(1) the time that the spot market is no longer suspended in the relevant region; and

(2) the time that the spot prices or the ancillary service prices (as the case may be) in the suspended region are determined in accordance with clause 3.14.5(j).

(j) If at any time on or during suspension of the spot market in a region:

(1) either:

   (A) dispatch and the determination of spot prices and ancillary service prices is being effected in accordance with rules 3.8 and 3.9; or

   (B) the spot prices and ancillary service prices in the suspended region are being determined in accordance with either clause 3.14.5(e) or clause 3.14.5(h); and

(2) in NEMMCO’s reasonable opinion it is no longer practical to set the spot prices and ancillary service prices in the suspended region in accordance with either clauses rules 3.8, 3.9, clause 3.14.5(e) or clause 3.14.5(h) (as the case may be),

then NEMMCO must set the spot prices and ancillary service prices in the suspended region at the prices set out in the relevant market suspension pricing schedule developed and published in accordance with clause 3.14.5(l).

(k) If the spot prices and ancillary service prices in the suspended region are being determined in accordance with clause 3.15.4(j), they must continue to be determined in accordance with that clause until the spot market is no longer suspended in that region.

(l) NEMMCO must:

(1) develop in accordance with the Rules consultation procedures a methodology to be used by NEMMCO (estimated price methodology) to prepare and update schedules containing reasonable estimates of typical market prices during the periods to which the schedules relate (estimated price schedules);

(2) develop and update estimated price schedules in accordance with the estimated price methodology and that set out NEMMCO’s reasonable estimate of typical market prices during periods in which the spot market is suspended; and

(3) publish the estimated price methodology promptly after it has been developed and publish the estimated price schedule at least 14 days prior to the first day to which the schedule relates.
(m) If a spot price is set in accordance with clause 3.14.5(g) or clause 3.14.5(j) at a regional reference node (suspension node), spot prices at all other regional reference nodes connected by an interconnector that has an actual flow towards the suspension node must not exceed the spot price in the suspended region multiplied by the average loss factor between that regional reference node and the suspension node for that trading interval.

(n) NEMMCO must use reasonable endeavours to ensure that any adjustments required to regional reference prices so that they do not exceed the limits set by clause 3.14.5(m) are finalised as soon as practicable but in any event by no later than one business day following the day on which the spot market in the region ceased to be suspended.

(o) NEMMCO must calculate the average loss factor applicable to clause 3.14.5(m) by reference to the inter-regional loss factor equations relating to the relevant regulated interconnector.

3.14.6 Compensation due to the application of an administered price, VoLL or market floor price

(a) Scheduled Generators may claim compensation from NEMMCO in respect of generating units if, due to the application of an administered price cap during either an administered price period or market suspension, the resultant spot price payable to dispatched generating units in any trading interval is less than the price specified in their dispatch offer for that trading interval.

(a1) A Scheduled Network Service Provider may claim compensation from NEMMCO in respect of a scheduled network service if, due to the application of an administered price cap, VoLL, the market floor price or an administered floor price, the resultant revenue receivable in respect of dispatched network services in any trading interval is less than the minimum requirement specified by its network dispatch offer for that trading interval.

(a2) A Market Participant which submitted a dispatch bid may claim compensation from NEMMCO in respect of a scheduled load if, due to the application of an administered floor price during either an administered price period or market suspension, the resultant spot price in any trading interval is greater than the price specified in the dispatch bid for that trading interval.

(a3) In respect of an ancillary service generating unit or an ancillary service load, a Market Participant may claim compensation from NEMMCO if, due to the application of an administered price cap, the resultant ancillary service price for that ancillary service generating unit or ancillary service load in any dispatch interval is less than the price specified in the relevant market ancillary service offer.

(b) Notification of an intent to make a claim under paragraphs (a), (a1), (a2) or (a3) must be submitted to both NEMMCO and the AEMC within 5 business days of the trading interval in which dispatch prices were adjusted in accordance with clause 3.9.5 or notification by NEMMCO that an administered price period or period of market suspension has ended.
The AEMC must, in accordance with the *transmission consultation procedures*, develop and publish guidelines ('compensation guidelines') that:

1. identify the objectives of the payment of compensation under this clause as being to maintain the incentive for:
   - Scheduled Generators, Scheduled Network Service Providers and other Market Participants to invest in plant that provides services during peak periods; and
   - Market Participants to supply energy and other services during an administered price period;

2. require the amount of compensation payable in respect of a claim under this clause to be based on:
   - the costs directly incurred by the claimant due to the application of the administered price cap, VoLL, the market floor price or the administered floor price (as the case may be); and
   - the value of any opportunities foregone by the claimant due to the application of the administered price cap, VoLL, the market floor price or the administered floor price (as the case may be);

3. outline the methodology to be used to calculate the amount of any compensation payable in respect of a claim under this clause, including the methodology for calculating the costs referred to in clause 3.14.6(c)(2)(i) and the value of opportunities foregone referred to in clause 3.14.6(c)(2)(ii); and

4. set out the information NEMMCO and a claimant must provide to enable a panel established under paragraph (g) to make a recommendation as to compensation under this clause and to enable the AEMC to make a determination as to compensation under this clause.

The AEMC must request the Adviser to establish a three member panel from the group of persons referred to in clause 8.2.2(e) and such other persons as the Adviser may choose to appoint under clause 8.2.6A(i) to assist the AEMC to develop the compensation guidelines.

The AEMC must publish the first compensation guidelines by 30 June 2009 and there must be such guidelines in place at all times after that date.

The AEMC may from time to time, in accordance with the *transmission consultation procedures*, amend or replace the compensation guidelines.

Following its receipt of a notification under paragraph (b), the AEMC must request the Adviser to establish a three member panel from the group of persons referred to in clause 8.2.2(e) and such other persons as the Adviser may choose to appoint under clause 8.2.6A(i) to make recommendations to the AEMC as to whether:
(1) compensation should be payable by NEMMCO in relation to the claim; and

(2) if so, the amount of compensation that should be paid.

(h) The panel must, as soon as practicable but not later than:

(1) 30 business days after receiving the information required to be provided to it under the compensation guidelines, give to the AEMC a report that sets out its draft recommendations as to the matters referred to in paragraph (g); and

(2) 20 business days after the closing date for submissions on that report, give to the AEMC a report that sets out its final recommendations as to the matters referred to in paragraph (g).

(i) Not later than 20 business days after receiving a report referred to in paragraph (h)(1), the AEMC must publish:

(1) that report;

(2) its draft decision as to the matters referred to in paragraph (g); and

(3) an invitation for written submissions to be made to the AEMC on that report and the AEMC's draft decision.

(j) Any person may make a written submission to the AEMC on the report referred to in subparagraph (h)(1) and the AEMC's draft decision within the time specified in the invitation referred to in subparagraph (i)(3), which must not be earlier than 20 business days after the invitation is published.

(k) In preparing a report that sets out its final recommendations, the panel must take into account the submissions made in response to the invitation referred to in subparagraph (i)(3).

(l) In preparing a report under paragraph (h), the panel must apply the compensation guidelines.

(m) In making its draft decision as to the matters referred to in paragraph (g), the AEMC must take into account the draft recommendations of the panel.

(n) Not later than 15 business days after receiving a report referred to in subparagraph (h)(2), the AEMC must publish:

(1) that report; and

(2) its final decision as to the matters referred to in paragraph (g).

(o) In making its final decision as to the matters referred to in paragraph (g), the AEMC must take into account:

(1) the final recommendations of the panel; and
(2) the submissions made in response to the invitation referred to in subparagraph (i)(3).

(p) In making a draft or final decision under this clause, the AEMC must apply the compensation guidelines unless it is satisfied that there are compelling reasons not to do so.

(q) The AEMC may recover from a claimant for compensation under this clause any costs that are incurred by the AEMC and the panel in carrying out their functions under this clause in respect of that claim. For this purpose the AEMC may require the claimant to pay all or a proportion of those costs to the AEMC prior to the claim being considered or determined.

(b) Notification of an intent to make a claim under clause 3.14.6(a), 3.14.6(a1), 3.14.6(a2) or 3.14.6(a3) must be submitted to both NEMMCO and the AEMC within 2 business days of the trading interval in which dispatch prices were adjusted in accordance with clause 3.9.5 or notification by NEMMCO that an administered price period or period of market suspension has ended.

(c) The AEMC must determine whether it is appropriate in all the circumstances for compensation to be payable by NEMMCO and, if so, the AEMC must determine an appropriate amount of compensation.

(d) Before making a determination, the AEMC must request the Adviser to establish a three member panel from the group of persons referred to in clause 8.2.2(e) to make recommendations on the matters to be determined by the AEMC.

(e) The panel must conduct itself on the same basis as a DRP under clauses 8.2.6A to 8.2.6D and make its recommendations within the period specified for the making of a determination under clause 8.2.6D(b). The panel must base its recommendations on its assessment of a fair and reasonable amount of compensation taking into account:

(1)—all the surrounding circumstances;

(2)—the actions of any relevant Registered Participants and NEMMCO;

(3)—in the case of a claim by a Scheduled Generator, the difference between the spot price applicable due to the application of the administered price cap and the price specified by the Scheduled Generator in its dispatch offer;

(4)—in the case of a claim by a Scheduled Network Service Provider, the difference between the revenue receivable by the Scheduled Network Service Provider for the dispatched network services as the result of the application of the administered price cap, VoLL or an administered floor price and the minimum revenue requirement specified in its network dispatch offer;

(5)—in the case of a Market Participant which submitted a dispatch bid, the difference between the spot price applicable due to the application of the
administered floor price and the price specified by the Market Participant in its dispatch bid;

(6) in the case of a claim in respect of an ancillary service generating unit, the difference between the ancillary service price applicable due to the application of the administered price cap and the price specified by the ancillary service generating unit in its market ancillary service offer; and

(7) in the case of a claim in respect of an ancillary service generating unit, the difference between the ancillary service price applicable due to the application of the administered floor price and the price specified by the ancillary service load in its market ancillary service offer.

3.15 Settlements

3.15.1 Settlements management by NEMMCO

(a) NEMMCO must facilitate the billing and settlement of payments due in respect of transactions under this Chapter 3, including:

(1) spot market transactions;

(2) reallocation transactions; and

(3) ancillary services transactions under clause 3.15.6A.

(b) NEMMCO must determine the Participant fees and the Market Participants must pay them to NEMMCO in accordance with the provisions of rule 2.11.

3.15.2 Electronic funds transfer

(a) NEMMCO must ensure that an electronic funds transfer (EFT) facility is provided and made available for all Market Participants for the purposes of settlements and the collection and payment of all market fees.

(b) Unless otherwise authorised by NEMMCO, all Market Participants must use the EFT facility provided by NEMMCO under clause 3.15.2(a) for the payment and receipt of amounts due in respect of transactions and the payment of market fees.

(c) In establishing the EFT facility in accordance with clause 3.15.2(a) NEMMCO must use its reasonable endeavours to ensure that the use of that facility does not impose unnecessary restrictions on the normal banking arrangements of Market Participants.

3.15.3 Connection point and virtual transmission node responsibility

(a) For each market connection point there is one person that is financially responsible for that connection point. The person that is financially responsible for such a connection point is:

(1) the Market Participant which has classified the connection point as a market load;
(2) the Market Participant which has classified the generating unit connected at that connection point as a market generating unit; or

(3) the Market Participant which has classified the network service connected at that connection point as a market network service.

(b) For each virtual transmission node there is one person that is financially responsible for that virtual transmission node. The person that is financially responsible for such a virtual transmission node is the Market Participant which is the Local Retailer for all of the market connection points assigned to that virtual transmission node.

3.15.4 Adjusted energy amounts - connection points

Where a connection point is not a transmission network connection point, the adjusted gross energy amount for that connection point for a trading interval is calculated by the following formula:

\[ \text{AGE} = \text{ME} \times \text{DLF} \]

where:

\begin{align*}
\text{AGE} & \quad \text{is the adjusted gross energy amount to be determined;} \\
\text{ME} & \quad \text{is the amount of electrical energy, expressed in MWh, flowing at the connection point in the trading interval, as recorded in the metering data in respect of that connection point and that trading interval (expressed as a positive value where the flow is towards the transmission network connection point to which the connection point is assigned and negative value where the flow is in the other direction); and} \\
\text{DLF} & \quad \text{is the distribution loss factor applicable at that connection point.}
\end{align*}

3.15.5 Adjusted energy - transmission network connection points

Where a connection point is a transmission network connection point, the adjusted gross energy amount for that connection point for a trading interval is calculated by the following formula:

\[ \text{AGE} = \text{ME} - \text{AAGE} \]

where:

\begin{align*}
\text{AGE} & \quad \text{is the adjusted gross energy amount to be determined;} \\
\text{ME} & \quad \text{is the amount of electrical energy, expressed in MWh, flowing at the connection point in the trading interval, as recorded in the metering data in respect of that connection point and that trading interval (expressed as a positive value where the flow is towards the transmission network, and negative value where the flow is in the other direction); and} \\
\text{AAGE} & \quad \text{is the aggregate of the adjusted gross energy amounts for that trading interval for each connection point assigned to that transmission network.}
\end{align*}
connection point, for which a Market Participant (other than a suspended Market Participant) is financially responsible (and in that aggregation positive and negative adjusted gross energy amounts are netted out to give a positive or negative aggregate amount).

### 3.15.5A Adjusted energy – virtual transmission nodes

For each virtual transmission node, the adjusted gross energy amount for that virtual transmission node for a trading interval is calculated by the following formula:

\[ \text{AGE} = - \text{AAGE} \]

where:

- \( \text{AGE} \) is the adjusted gross energy amount to be determined; and
- \( \text{AAGE} \) is the aggregate of the adjusted gross energy amounts for that trading interval for each connection point assigned to that virtual transmission node for which a Market Participant (other than a suspended Market Participant) is financially responsible (and in that aggregation positive and negative adjusted gross energy amounts are netted out to give a positive or negative aggregate amount).

### 3.15.6 Spot market transactions

(a) In each trading interval, in relation to each connection point and to each virtual transmission node for which a Market Participant is financially responsible, a spot market transaction occurs, which results in a trading amount for that Market Participant determined in accordance with the formula:

\[ \text{TA} = \text{AGE} \times \text{TLF} \times \text{RRP} \]

where

- \( \text{TA} \) is the trading amount to be determined (which will be a positive or negative dollar amount for each trading interval);
- \( \text{AGE} \) is the adjusted gross energy for that connection point or virtual transmission node for that trading interval, expressed in MWh;
- \( \text{TLF} \) for a transmission network connection point or virtual transmission node, is the intra-regional loss factor at that connection point or virtual transmission node respectively, and for any other connection point, is the intra-regional loss factor at the transmission network connection point or virtual transmission node to which it is assigned in accordance with clause 3.6.3(a); and
- \( \text{RRP} \) is the regional reference price for the regional reference node to which the connection point or virtual transmission node is assigned, expressed in dollars per MWh.

(b) NEMMCO is entitled to the trading amount resulting from a NEMMCO intervention event and, for the purposes of determining settlement amounts, any
such trading amount is not a trading amount for the relevant Market Participant.

(c) A Directed Participant is entitled to the trading amount resulting from any service, other than the service the subject of the NEMMCO intervention event, rendered as a consequence of that event.

### 3.15.6A Ancillary service transactions

(a) In each trading interval, in relation to each enabled ancillary service generating unit or enabled ancillary service load, an ancillary services transaction occurs, which results in a trading amount for the relevant Market Participant determined in accordance with the following formula:

\[
TA = \text{the aggregate of } \frac{EA \times ASP}{(12)} \text{ for each dispatch interval in a trading interval}
\]

where:

- **TA** (in $) = the trading amount to be determined (which is a positive number);
- **EA** (in MW) = the amount of the relevant market ancillary service which the ancillary service generating unit or ancillary service load has been enabled to provide in the dispatch interval; and
- **ASP** (in $ per MW per hour) = the ancillary service price for the market ancillary service for the dispatch interval for the region in which the ancillary service generating unit or ancillary service load has been enabled.

(b) In each trading interval, in relation to each Market Participant which provides non-market ancillary services under an ancillary services agreement, an ancillary services transaction occurs, which results in a trading amount for the relevant Market Participant determined in accordance with that agreement.

(c) In each trading interval, in relation to each Market Customer, an ancillary services transaction occurs, which results in a trading amount for the Market Customer determined in accordance with the following formula:

\[
TA = TNCASP \times \frac{TCE}{ATCE} \times -1
\]

where:

- **TA** (in $) = the trading amount to be determined (which is a negative number);
- **TNCASP** (in $) = all amounts payable by NEMMCO in respect of the trading interval under ancillary services
agreements in respect of the provision of NCAS;

\[
TCE \text{ (in MWh)} = \text{the customer energy for the Market Customer for the trading interval; and}
\]

\[
ATCE \text{ (in MWh)} = \text{the aggregate customer energy figures for all Market Customers for the trading interval.}
\]

(d) In each trading interval, in relation to each Market Generator, an ancillary services transaction occurs, which results in a trading amount for the Market Generator determined in accordance with the following formula:

\[
TA = \frac{TSRP}{2} \times \frac{TGE}{ATGE} \times -1
\]

where:

\[
TA \text{ (in \$)} = \text{the trading amount to be determined (which is a negative number);}
\]

\[
TSRP \text{ (in \$)} = \text{the total of all amounts payable by NEMMCO in respect of the trading interval under ancillary services agreements in respect of the provision of system restart ancillary services;}
\]

\[
TGE \text{ (in MWh)} = \text{the generator energy for the Market Generator for the trading interval; and}
\]

\[
ATGE \text{ (in MWh)} = \text{the aggregate of the generator energy figures for all Market Generators for the trading interval.}
\]

(e) In each trading interval, in relation to each Market Customer, an ancillary services transaction occurs, which results in a trading amount determined in accordance with the following formula:

\[
TA = \frac{TSRP}{2} \times \frac{TCE}{ATCE} \times -1
\]

where:

\[
TA \text{ (in \$)} = \text{the trading amount to be determined (which is a negative number);}
\]

\[
TSRP \text{ (in \$)} = \text{has the meaning given in clause 3.15.6A(d);}
\]

\[
TCE \text{ (in MWh)} = \text{the customer energy for the Market Customer for the trading interval; and}
\]

\[
ATCE \text{ (in MWh)} = \text{the aggregate of the customer energy figures for all Market Customers for the trading interval.}
\]

(f) The total amount calculated by NEMMCO under clause 3.15.6A(a) for each of the fast raise service, slow raise service or delayed raise service in respect of each dispatch interval which falls within the trading interval must be allocated
to each region in accordance with the following procedure and the information provided under clause 3.9.2A(b). NEMMCO must:

(1) allocate for each region and for each dispatch interval within the relevant trading interval the proportion of the total amount calculated by NEMMCO under clause 3.15.6A(a) for each of the fast raise service, slow raise service or delayed raise service between global market ancillary services requirements and local requirements pro-rata to the respective marginal prices for each such service;

(2) calculate for each relevant dispatch interval the sum of the costs of acquiring the global market ancillary service requirements for all regions and the sum of the costs of acquiring each local ancillary service requirement for all regions, as determined pursuant to clause 3.15.6A(f)(1); and

(3) allocate for each relevant dispatch interval the sum of the costs of the global market ancillary service requirement and each local ancillary service requirement calculated in clause 3.15.6A(f)(2) to each region as relevant to that requirement pro-rata to the aggregate of the generator energy for the Market Generators in each region during the trading interval.

For the purpose of this clause 3.15.6A(f) RTCRSP is the sum of:

(i) the global market ancillary service requirement cost for that region, for all dispatch intervals in the relevant trading interval, as determined pursuant to clause 3.15.6A(f)(3); and

(ii) all local market ancillary service requirement costs for that region, for all dispatch intervals in the relevant trading interval, as determined pursuant to clause 3.15.6A(f)(3).

In each trading interval, in relation to each Market Generator in a given region, an ancillary services transaction occurs, which results in a trading amount for that Market Generator determined in accordance with the following formula:

\[ TA = \frac{RTCRSP \times TGE}{RATGE} \times -1 \]

where:

\[ TA \text{ (in $)} \quad = \quad \text{the trading amount to be determined (which is a negative number);} \]

\[ RTCRSP \text{ (in $)} \quad = \quad \text{the total of all amounts calculated by NEMMCO as appropriate to recover from the given region as calculated in this clause 3.15.6A(f) for the fast raise service, slow raise service or delayed raise service in respect of dispatch intervals which fall in the trading interval;} \]
TGE (in MWh) = the generator energy figures for the Market Generator in that region for the trading interval; and

RATGE (in MWh) = the aggregate of the generator energy figures for all Market Generators in that region for the trading interval.

(g) The total amount calculated by NEMMCO under clause 3.15.6A(a) for each of the fast lower service, slow lower service or delayed lower service in respect of each dispatch interval which falls within the trading interval must be allocated to each region in accordance with the following procedure and the information provided under clause 3.9.2A(b). NEMMCO must:

(1) allocate for each region and for each dispatch interval within the relevant trading interval the proportion of the total amount calculated by NEMMCO under clause 3.15.6A(a) for each of the fast lower service, slow lower service or delayed lower service between global market ancillary service requirements and local requirements pro rata to the respective marginal prices of each such service;

(2) calculate for each relevant dispatch interval the sum of the costs of acquiring the global market ancillary service requirements for all regions and the sum of the costs of acquiring each local ancillary service requirement for all regions, as determined pursuant to clause 3.15.6A(g)(1); and

(3) allocate for each relevant dispatch interval the sum of the costs of the global market ancillary service requirement and each local ancillary service requirement calculated in clause 3.15.6A(g)(2) to each region as relevant to that requirement pro-rata to the aggregate of the customer energy figures for all Market Customers in each region during the trading interval.

For the purpose of this clause 3.15.6A(g) RTCLSP is the sum of:

(i) the global market ancillary service requirement cost for that region, for all dispatch intervals in the relevant trading interval, as determined pursuant to clause 3.15.6A(g)(3); and

(ii) all local market ancillary service requirement costs for that region, for all dispatch intervals in the relevant trading interval, as determined pursuant to clause 3.15.6A(g)(3).

In each trading interval, in relation to each Market Customer in a given region, an ancillary services transaction occurs, which results in a trading amount for that Market Customer determined in accordance with the following formula:

\[ TA = RTCLSP \times \frac{TCE}{RATCE} \times -1 \]

where:
TA (in $) = the \textit{trading amount} to be determined (which is a negative number);

RTCLSP (in $) = the total of all amounts calculated by \textit{NEMMCO} as appropriate to recover from the given \textit{region} as calculated in this clause 3.15.6A(g) for the \textit{fast lower service, slow lower service} or \textit{delayed lower service} in respect of \textit{dispatch intervals} which fall in the \textit{trading interval};

TCE (in MWh) = the \textit{customer energy} for the \textit{Market Customer} in that \textit{region} for the \textit{trading interval}; and

RATCE (in MWh) = the aggregate of the \textit{customer energy} figures for all \textit{Market Customers} in that \textit{region} for the \textit{trading interval}.

(h) In each \textit{trading interval}, in relation to each \textit{Market Generator} or \textit{Market Customer} which has \textit{metering} to allow their individual contribution to the aggregate deviation in \textit{frequency} of the \textit{power system} to be assessed, an ancillary services transaction occurs, which results in a \textit{trading amount} for that \textit{Market Generator} or \textit{Market Customer} determined in accordance with the following formula:

\[ TA = PTA \times -1 \]

and

\[ PTA = \text{the aggregate of } \left( TSFCAS \times \frac{MPF}{AMPF} \right) \text{ for each dispatch interval in the trading interval} \]

where:

TA (in $) = the \textit{trading amount} to be determined (which is a negative number);

TSFCAS (in $) = the total of all amounts calculated by \textit{NEMMCO} under clause 3.15.6A(a) for the \textit{regulating raise service} or the \textit{regulating lower service} in respect of a \textit{dispatch interval};

MPF (a number) = the factor last set by \textit{NEMMCO} for the \textit{Market Generator} or \textit{Market Customer}, as the case may be, under clause 3.15.6A(j); and

AMPF (a number) = the aggregate of the MPF figures for all \textit{Market Participants} for the \textit{dispatch interval}.

(i) In each \textit{trading interval}, in relation to each \textit{Market Customer} for whom the \textit{trading amount} is not calculated in accordance with the formula in clause 3.15.6A(h), an ancillary services transaction occurs, which results in a \textit{trading
amount for that Market Customer determined in accordance with the following formula:

\[ TA = PTA \times \frac{TCE}{ATCE} \times -1 \]

and

\[ PTA = \text{the aggregate of } \left( TSFCAS \times \frac{MPF}{AMPF} \right) \text{ for each dispatch interval in the trading interval} \]

where:

- TA (in $) = the trading amount to be determined (which is a negative number);
- TSFCAS (in $) = has the meaning given in clause 3.15.6A(h);
- MPF (a number) = the aggregate of the factor set by NEMMCO under clause 3.15.6A(j) for Market Customers, for whom the trading amount is not calculated in accordance with the formula in clause 3.15.6A(h);
- AMPF (a number) = the aggregate of the MPF figures for all Market Participants for the dispatch interval;
- TCE (in MWh) = the customer energy for the Market Customer for the trading interval; and
- ATCE (in MWh) = the aggregate of the customer energy figures for all Market Customers, for whom the trading amount is not calculated in accordance with the formula in clause 3.15.6A(h), for the trading interval.

(j) NEMMCO must determine a factor for each Market Participant for the purposes of clauses 3.15.6A(h) and (i) in accordance with the procedure contemplated by clause 3.15.6A(k).

(k) NEMMCO must prepare a procedure for determining contribution factors for use in clause 3.15.6A(j) taking into account the following principles:

1. the contribution factor for a Market Participant should reflect the extent to which the Market Participant contributed to the need for regulation services;

2. the contribution factor for all Market Customers that do not have metering to allow their individual contribution to the aggregate need for regulation services to be assessed must be equal;
(3) the individual Market Participant’s contribution to the aggregate need for regulation services will be determined over a period of time to be determined by NEMMCO; and

(4) a Registered Participant which has classified a scheduled generating unit, scheduled load, ancillary service generating unit or ancillary service load (called a ‘Scheduled Participant’) will not be assessed as contributing to the deviation in the frequency of the power system if within a dispatch interval:

(a) the Scheduled Participant achieves its dispatch target at a uniform rate;

(b) the Scheduled Participant is enabled to provide a market ancillary service and responds to a control signal from NEMMCO to NEMMCO’s satisfaction; or

(c) the Scheduled Participant is not enabled to provide a market ancillary service, but responds to a need for regulation services in a way which tends to reduce the aggregate deviation.

(l) NEMMCO may amend the procedure referred to in clause 3.15.6A(j) from time to time.

(m) NEMMCO must comply with the Rules consultation procedures when making or amending the procedure referred to in clause 3.15.6A(k).

(n) NEMMCO must publish, in accordance with the timetable, the historical data used in determining a factor for each Market Participant for the purposes of clauses 3.15.6A(h) and (i) in accordance with the procedure contemplated by clause 3.15.6A(k).

(na) Notwithstanding any other provisions of the Rules, NEMMCO must publish the factors determined in accordance with clause 3.15.6A(j) at least 10 business days prior to the application of those factors in accordance with clauses 3.15.6A(h) and 3.15.6A(i).

(o) In this clause 3.15.6A:

(1) ‘generator energy’ in respect of a Market Generator for a trading interval means the sum of the adjusted gross energy figures calculated for that trading interval in respect of that Market Generator’s applicable connection points, provided that, if the sum of those figures is negative, then the Market Generator’s generator energy for that trading interval is zero;

(2) a connection point is an applicable connection point of a Market Generator if:

(A) the Market Generator is financially responsible for the connection point; and
(B) the connection point connects a market generating unit to the national grid;

(3) ‘customer energy’ in respect of a Market Customer for a trading interval means the sum of the adjusted gross energy figures calculated for that trading interval in respect of that Market Customer’s relevant connection points; and

(4) a connection point is a relevant connection point of a Market Customer if:

(A) the Market Customer is financially responsible for the connection point; and

(B) the load at that connection point has been classified (or is deemed to be classified) as a market load.

### 3.15.7 Payment to Directed Participants

(a) Subject to clause 3.15.7(b), NEMMCO must pay compensation to Directed Participants calculated in accordance with clauses 3.15.7, 3.15.7A and 3.15.7B, as the case may be, for any service which the Directed Participant was required to provide in order to comply with the direction.

(b) For the purpose of clause 3.15.8 and 3.15.10C the amount of compensation due to a Directed Participant pursuant to clause 3.15.7(a) must include interest on the sum of that amount less any payment made in accordance with clause 3.15.10C(a), computed at the average bank bill rate for the period beginning on the day on which payment was required to be made under clauses 3.15.16 and 3.15.17 in respect of the final statement for the billing period in which the direction was issued and ending on the day on which payment is required to be made pursuant to clause 3.15.10C.

(c) Subject to clause 3.15.17(d) and clause 3.15.7B, the compensation payable to each Directed Participant for the provision of energy or market ancillary services pursuant to a direction is to be determined in accordance with the formula set out below:

\[
\text{DCP} = \text{AMP} \times \text{DQ}
\]

where:

DCP = the amount of compensation the Directed Participant is entitled to receive;

AMP = the price below which are 90% of the spot prices or market ancillary service prices (as the case may be) for the relevant service provided by Scheduled Generators, Scheduled Network Service Providers or Market Customers in the region to which the direction relates, for the 12 months immediately preceding the trading day in which the direction was issued; and

DQ = is either:
(A) the difference between the total adjusted gross energy delivered or consumed by the Directed Participant and the total adjusted gross energy that would have been delivered or consumed by the Directed Participant had the direction not been issued; or

(B) the amount of the relevant market ancillary service which the Directed Participant has been enabled to provide in response to the direction.

(d) If at the time NEMMCO issues a direction, the Directed Participant had submitted a valid dispatch bid, dispatch offer or rebid for dispatch of the service that is to be dispatched in accordance with the direction, the Directed Participant is entitled to receive compensation for the provision of that service at a price equal to the price in that dispatch bid, dispatch offer or rebid as appropriate.

(e) NEMMCO must, in accordance with the intervention settlement timetable, advise each Directed Participant in writing of the amount the Directed Participant is entitled to receive pursuant to clause 3.15.7(c) or clause 3.15.7(d).

3.15.7A Payment to Directed Participants for services other than energy and market ancillary services

(a) Subject to clause 3.15.7(d) and clause 3.15.7B, NEMMCO must compensate each Directed Participant for the provision of services pursuant to a direction other than energy and market ancillary services, at the fair payment price of the services determined in accordance with this clause 3.15.7A.

(b) Subject to clause 3.15.7A(e) and clause 3.15.7A(e1), NEMMCO must, in accordance with the intervention settlement timetable and any guidelines developed by NEMMCO in accordance with the Rules consultation procedures, determine if in NEMMCO’s reasonable opinion, an independent expert could reasonably be expected to determine a fair payment price for the services provided pursuant to the direction within a reasonable time period.

(b1) If NEMMCO determines pursuant to clause 3.15.7A(b) that an independent expert could reasonably be expected to determine a fair payment price for the services provided pursuant to the direction within a reasonable time period it must as soon as reasonably practicable after making such determination publish its determination and, subject to clause 3.15.7A(e1), appoint an independent expert, in accordance with the intervention settlement timetable, to determine the fair payment price for the services provided pursuant to the direction.

(c) NEMMCO must include as part of the terms of appointment of an independent expert the following requirements:

(1) that the independent expert must, in determining the fair payment price of the relevant service for the purposes of clause 3.15.7A, take into account:
(i) other relevant pricing methodologies in Australia and overseas, including but not limited to:

(A) other electricity markets;

(B) other markets in which the relevant service may be utilised; and

(C) relevant contractual arrangements which specify a price for the relevant service;

(ii) the following principles:

(A) the disinclination of Scheduled Generators, Market Generators, Scheduled Network Service Providers or Market Customers to provide the service the subject of the direction must be disregarded;

(B) the urgency of the need for the service the subject of the direction must be disregarded;

(C) the Directed Participant is to be treated as willing to supply at the market price that would otherwise prevail for the directed services the subject of the direction in similar demand and supply conditions; and

(D) the fair payment price is the market price for the directed services the subject of the direction that would otherwise prevail in similar demand and supply conditions;

(2) that the independent expert must determine and publish a draft report, in accordance with the intervention settlement timetable, setting out:

(i) a description of the services provided in response to the direction;

(ii) the independent expert’s draft determination of each fair payment price for the services provided;

(iii) the methodology and assumptions used by the independent expert in making the draft determination of the fair payment price; and

(iv) a request for submissions from interested parties on the matters set out in the draft report;

(3) that the independent expert must, in accordance with the intervention settlement timetable, determine the fair payment price for the services provided, taking into account the submissions received, and must prepare and publish a final report setting out:

(i) the description of the services provided in response to the direction;

(ii) the independent expert’s determination of the fair payment price for the services provided;
(iii) the methodology and assumptions used by the independent expert in making the determination of each fair payment price; and

(iv) summaries of the submissions made by interested parties;

(4) that the independent expert must deliver to NEMMCO a final tax invoice for the services rendered at the time he or she publishes the final report; and

(5) that a report published by the independent expert pursuant to clause 3.15.7A(c) must not disclose confidential information or the identity of a Directed Participant.

(d) In accordance with the intervention settlement timetable, NEMMCO must calculate the compensation payable to the Directed Participant using the fair payment price published by the independent expert under clause 3.15.7A(c)(3).

(e) The fair payment price determined in accordance with clause 3.15.7A(c)(3) is to be the fair payment price for that service to be applied in all future occurrences where there is a direction for that service at any time within a period of 12 calendar months from the date on which the determination of that price was published.

(e1) NEMMCO must not appoint an independent expert under clause 3.15.7A(b1) in respect of a direction for a service in respect of which:

(1) there is a determination of an independent expert in place in accordance with clause 3.15.7A(e) in relation to that service; or

(2) NEMMCO has appointed an independent expert to determine the fair payment price for that service under clause 3.15.7A and the independent expert has not yet made a determination of the fair payment price.

In these circumstances, NEMMCO must apply to the subsequent direction the fair payment price for that service determined, or to be determined, by the independent expert.

(f) Within 1 business day of calculating the compensation payable pursuant to clause 3.15.7A(a) by application of clause 3.15.7A(e) or pursuant to clause 3.15.7A(d), NEMMCO must advise the relevant Directed Participant in writing of the amount of compensation.

(g) The determination of a fair payment price pursuant to clause 3.15.7A(c)(1) and the calculation of compensation payable to Directed Participants pursuant to clause 3.15.7A(d) is final and binding.

3.15.7B Claim for additional compensation by Directed Participants

(a) Subject to clauses 3.15.7B(a1) and 3.15.7B(a4), a Directed Participant entitled to compensation pursuant to clause 3.15.7 or clause 3.15.7A may, in accordance with the intervention settlement timetable, make a written submission to NEMMCO claiming an amount equal to the sum of:
(1) the aggregate of the loss of revenue and additional net direct costs incurred by the Directed Participant in respect of a scheduled generating unit or scheduled network services, as the case may be, as a result of the provision of the service under direction; less

(2) the amount notified to that Directed Participant pursuant to clause 3.15.7(c) or clause 3.15.7A(f); less

(3) the aggregate amount the Directed Participant is entitled to receive in accordance with clause 3.15.6(c) for the provision of a service rendered as a result of the direction.

(a1) Subject to clause 3.15.7B(a4), if NEMMCO determines pursuant to clause 3.15.7A(a) that an independent expert could not reasonably be expected to determine within a reasonable period of time the relevant fair payment price, a Directed Participant may, in accordance with the intervention settlement timetable, make a written submission to NEMMCO claiming compensation from NEMMCO for the provision of services under the direction equal to:

(1) loss of revenue and additional net direct costs which the Directed Participant incurred as a result of the provision of services under the direction; and

(2) a reasonable rate of return on the capital employed in the provision of the service determined by reference as far as reasonably practicable to rates of return for the provision of similar services by similar providers of such services.

(a2) Subject to clause 3.15.7B(a4), if a Directed Participant entitled to compensation pursuant to clause 3.15.7(d) considers that the amount notified pursuant to clauses 3.15.7(e) is less than the amount it is entitled to receive pursuant to that clause, the Directed Participant may, in accordance with the intervention settlement timetable, make a written submission to NEMMCO requesting compensation from NEMMCO for that difference.

(a3) For the purposes of the calculation of additional net direct costs pursuant to clause 3.15.7B(a)(1) and clause 3.15.7B(a1)(1), the additional net direct costs incurred by the Directed Participant in respect of that scheduled generating unit or scheduled network services, as the case may be, includes without limitation:

(1) fuel costs in connection with the scheduled generating unit or scheduled network services;

(2) incremental maintenance costs in connection with the scheduled generating unit or scheduled network services;

(3) incremental manning costs in connection with the scheduled generating unit or scheduled network services;

(4) acceleration costs of maintenance work in connection with the scheduled generating unit, where such acceleration costs are incurred to enable the
scheduled generating unit or scheduled network services to comply with the direction;

(5) delay costs for maintenance work in connection with the scheduled generating unit or scheduled network service, where such delay costs are incurred to enable the scheduled generating unit or scheduled network service to comply with the direction;

(6) other costs incurred in connection with the scheduled generating unit or scheduled network services, where such costs are incurred to enable the scheduled generating unit or scheduled network service to comply with the direction; and

(7) any compensation which the Directed Participant receives or could have obtained by taking reasonable steps in connection with the scheduled generating unit or scheduled network services being available.

(a4) In respect of a single intervention price trading interval, a Directed Participant may only make a claim pursuant to clauses 3.15.7B(a), 3.15.7B(a1) or 3.15.7B(a2) if the amount of the claim in respect of that intervention price trading interval is greater than $5,000.

(b) The submissions pursuant to clauses 3.15.7B(a), 3.15.7B(a1) and 3.15.7B(a2) must:

(1) itemise each component of a claim;

(2) contain sufficient data and information to substantiate each component of a claim for loss of revenue and additional direct costs incurred and the reasonable rate of return, as the case may be; and

(3) be signed by an authorised officer of the applicant certifying that the written submission is true and correct.

(c) NEMMCO must, in accordance with the intervention settlement timetable:

(1) refer an affected participant’s adjustment claim or market customer’s additional claim to an independent expert to determine such claim in accordance with clause 3.12.3 if the claim is equal to or greater than $20,000 and the additional intervention claim that includes that claim is equal to or greater than $100,000; and

(2) determine in its sole discretion if all other claims by a Directed Participant in respect of that direction pursuant to clauses 3.15.7B(a), 3.15.7B(a1) and 3.15.7B(a2) are reasonable and if so pay the amount claimed in accordance with clause 3.15.10C.

(d) If NEMMCO considers that a claim by a Directed Participant under clause 3.15.7B(a) or 3.15.7B(a1) or 3.15.7B(a2) is unreasonable, it must, in accordance with the intervention settlement timetable:

(1) advise the Directed Participant of its determination in writing, setting out its reasons; and
(2) refer the matter to an independent expert to determine the claim for compensation in accordance with clause 3.12.3.

### 3.15.8 Funding of Compensation for directions

(a) NEMMCO must, in accordance with the intervention settlement timetable, calculate the “compensation recovery amount” being:

(1) the sum of:

   (i) the total of the compensation payable to NEMMCO by Affected Participants and Market Customers under clause 3.12.2 in respect of a direction for the provision of energy; plus

   (ii) the total of the amounts retained by NEMMCO pursuant to clause 3.15.6(b) in respect of a direction for the provision of energy;

(2) less the sum of:

   (i) the total of the compensation payable by NEMMCO to Affected Participants and Market Customers pursuant to clause 3.12.2 in respect of a direction for the provision of energy; plus

   (ii) the total of the compensation payable by NEMMCO to Directed Participants pursuant to clause 3.15.7(a) in respect of a direction for the provision of energy; plus

   (iii) the total amount payable by NEMMCO to the independent expert pursuant to clause 3.12.3(c).

(b) NEMMCO must, in accordance with the intervention settlement timetable, calculate a figure for each Market Customer in each region applying the following formula:

\[ MCP = \frac{E}{\sum E} \times \frac{RB}{\sum RB} \times CRA \]

where

MCP is the amount payable or receivable by a Market Customer pursuant to this clause 3.15.8(b);

E is the sum of the Market Customer’s adjusted gross energy amounts at each connection point for which the Market Customer is financially responsible in a region, determined in accordance with clauses 3.15.4 and 3.15.5 in respect of the relevant intervention price trading intervals excluding any loads in respect of which the Market Customer submitted a dispatch bid for the relevant intervention price trading interval in that region; and

RB is the regional benefit determined by NEMMCO pursuant to clause 3.15.8(b1) at the time of issuing the direction.
CRA is the compensation recovery amount.

(b1) NEMMCO must, as soon as practicable following the issuance of a direction, determine the relative benefit each region received from the issuance of a direction in accordance with the regional benefit directions procedures.

(b2) NEMMCO must develop in accordance with the Rules consultation procedures a procedure to determine the relative benefit each region receives from the issuance of a direction (the “regional benefit directions procedures”). Such procedures must take into account, where applicable to the reason the direction was given, the load at risk of not being supplied if the direction were not issued or the extent of improvement in available energy reserve in the region, capability to control voltage in the region, and capability to control power system frequency within the region and any other relevant matters.

(c) If the figure calculated for a Market Customer under clause 3.15.8(b) is negative, the absolute value of that amount is the amount payable by the Market Customer to NEMMCO pursuant to clause 3.15.8(b).

(d) Subject to clause 3.15.22, if the figure calculated for a Market Customer under clause 3.15.8(b) is positive, such amount is the amount receivable by the Market Customer from NEMMCO pursuant to clause 3.15.8(b), subject to the provisions of clause 3.15.22.

(e) NEMMCO must, in accordance with the intervention settlement timetable, calculate for each ancillary service the subject of a direction, the “ancillary service compensation recovery amount” being:

(1) the sum of:

   (i) the total of the compensation payable to NEMMCO by Affected Participants and Market Customers under clause 3.12.2 in respect of a direction for the provision of that ancillary service; plus

   (ii) the total of the amounts retained by NEMMCO pursuant to clause 3.15.6(b) in respect of a direction for the provision of that ancillary service;

(2) less the sum of:

   (i) the total of the compensation payable by NEMMCO to Affected Participants and Market Customers pursuant to clause 3.12.2 in respect of a direction for the provision of that ancillary service; plus

   (ii) the total of the compensation payable by NEMMCO to Directed Participants pursuant to clause 3.15.7(a) in respect of a direction for the provision of that ancillary service; plus

   (iii) the total amount payable by NEMMCO to the independent expert pursuant to clause 3.12.3(c), if the direction the subject of the independent expert’s determination was with respect to that ancillary service.
(f) The trading amount must be calculated as follows:

(1) subject to clause 3.15.8(f)(2) and (3) NEMMCO must use the appropriate formula set out in clause 3.15.6A(c), (d), (e), (f), (g), (h) or (i) depending on which ancillary service was the subject of the direction;

(2) TNCASP, TSRP, TCRSP, TCLSP or TSFCAS (as applicable) in the relevant formula is equal to the ancillary service compensation recovery amount for the relevant ancillary service in respect of the direction; and

(3) if TCE, TGE, ATCE or ATGE is used in the relevant formula, then the words ‘the trading interval’ in the definitions of those terms in the formula are to be read as ‘all of the trading intervals during which the direction applied’.

(g) Any compensation payable by NEMMCO pursuant to clauses 3.12.2 and 3.15.7 not recovered pursuant to clauses 3.15.8(b) and 3.15.8(e) must be recovered from Registered Participants in the same proportion as the largest single fixed component of Participants fees.

3.15.9 Reserve settlements

(a) NEMMCO’s costs incurred in contracting for the provision of reserves are to be met by fees imposed on Market Customers in accordance with this clause 3.15.9.

(b) Included in the statements to be provided under clauses 3.15.14 and 3.15.15, NEMMCO must give each Market Participant a statement setting out:

(1) the aggregate of the amounts payable by NEMMCO under reserve contracts in respect of the relevant billing period;

(2) any amounts determined as payable by NEMMCO:

(i) by the independent expert under clause 3.12.3; or

(ii) as a result of a scheduled generating unit, scheduled network service or scheduled load under a scheduled reserve contract being dispatched or generating units or loads under an unscheduled reserve contract being activated,

in respect of the relevant billing period; and

(3) the aggregate of the amounts receivable by NEMMCO under the Rules in respect of reserve contracts during the relevant billing period.

(c) Separate statements must be provided under paragraph (b):

(1) for reserve contracts entered into by NEMMCO specifically in respect of the Market Participant’s region in accordance with paragraph (d); and

(2) for reserve contracts other than those entered into for and allocated to a specific region or regions.
(d) Where either:

(1) without the intervention in the market of NEMMCO a region would otherwise, in NEMMCO's reasonable opinion, fail to meet the minimum power system security and reliability standards; or

(2) a region requires a level of power system reliability or reserves which, in NEMMCO's reasonable opinion, exceeds the level required to meet the minimum power system security and reliability standards,

then NEMMCO must recover its net liabilities, or distribute its net profits, under the terms of reserve contracts entered into to meet these requirements, from or to the Market Customers in that region in accordance with paragraph (e).

(e) In respect of reserve contracts entered into by NEMMCO, NEMMCO must calculate in relation to each Market Customer for each region in respect of each billing period a sum determined by applying the following formula:

\[ MCP = \frac{E \times RRC}{\sum E} \]

where:

MCP is the amount payable by a Market Customer for a region in respect of a billing period;

\( E \) is the sum of all that Market Customer’s adjusted gross energy amounts in a region (the “relevant region”) in each trading interval which occurs between 0800 hours and 2000 hours (EST) on a business day in the billing period excluding any loads in that region in respect of which the Market Customer submitted a dispatch bid for any such trading interval;

RRC is the total amount payable by NEMMCO under reserve contracts which relate to the relevant region in the billing period as agreed under clause 3.20.3(f); and

\( \sum E \) is the sum of all amounts determined as “E” in accordance with this paragraph (e) in respect of that region.

(f) A Market Customer is liable to pay NEMMCO an amount equal to the sum calculated under paragraph (e) in respect of that Market Customer.

(g) Operational and administrative costs incurred by NEMMCO in arranging for the provision of reserves, other than its liabilities under the terms of the reserve contracts into which it has entered, are to be recovered by NEMMCO from all Market Participants as part of the fees imposed in accordance with rule 2.11.

(h) For the purposes of clause 3.15.19, a re-determination by a panel established under clause 3.12.2 is to be taken to be an agreement between NEMMCO and each of the Market Participants and Scheduled Generators.
3.15.10 Administered price, VoLL or market floor price compensation payments

(a) In the event that the AEMC awards compensation to a Scheduled Generator, Market Participant which submitted a dispatch bid or Scheduled Network Service Provider in accordance with clause 3.14.6, then NEMMCO must determine an amount which shall be payable by all Market Customers who purchased electricity from the spot market in a region in which the regional reference price was affected by the imposition of an administered price or VoLL, or market floor price in the trading interval or trading intervals in respect of which such compensation has been awarded.

(b) NEMMCO shall determine the amounts payable for each relevant trading interval by each of the affected Market Customers under clause 3.15.10(a) as follows:

\[
\frac{APC \times E_i}{\Sigma E_i}
\]

where

APC is the total amount of any compensation payments awarded by the AEMC to Scheduled Generators, Market Participants which submitted dispatch bids or Scheduled Network Service Providers in respect of that trading interval in accordance with clause 3.14.6.

E_i is the sum of all of the Market Customer’s adjusted gross energy amounts, determined in accordance with clauses 3.15.4 and 3.15.5, in respect of each trading interval in the billing period and each connection point for which the Market Customer is financially responsible in any region or regions affected by the imposition of an administered price or VoLL or market floor price.

\(\Sigma E_i\) is the sum of all amounts determined as "E_i" in accordance with this clause 3.15.10 for all Market Customers in all regions affected by the imposition of an administered price or VoLL or market floor price in that trading interval.

(c) Within 15 business days of being notified by the AEMC that compensation is to be paid to a Scheduled Generator, Market Participant which submitted a dispatch bid or Scheduled Network Service Providers in accordance with clause 3.14.6, NEMMCO shall include in statements provided under clauses 3.15.14 and 3.15.15 separate details of any amounts payable by or to Market Participants as determined in accordance with this clause 3.15.10.

3.15.10A Goods and services tax

(a) In this clause 3.15.10A:

“GST” has the meaning given in the GST Act; and
“GST Act” means the *A New Tax System (Goods and Services Tax) Act 1999* (C’th);

“supply” and “taxable supply” each have the meaning given in the GST Act, and the definition of “supply” in Chapter 10 does not apply.

(b) Despite anything else in the Rules, Participant fees, spot prices, adjustments for directions, reserve settlements, administered price cap compensation payments, system security direction settlements, re-allocation transactions, compensation, interest, settlements residues, ancillary services settlements, settlements residue distributions (including auction proceeds), auction expense fees and other prices, fees, charges and amounts payable to or by NEMMCO, the AER or the AEMC in respect of supplies under the Rules exclude GST. Accordingly:

(1) where a Registered Participant makes a taxable supply to NEMMCO, the AER or the AEMC under or in connection with the Rules on or after 1 July 2000, NEMMCO, the AER or the AEMC (as applicable) must also pay the Registered Participant making the supply an additional amount equal to the consideration payable for the supply multiplied by the applicable GST rate;

(2) where NEMMCO, the AER or the AEMC makes a taxable supply to a Registered Participant under the Rules on or after 1 July 2000, the Registered Participant must also pay NEMMCO, the AER or the AEMC (as applicable) an additional amount equal to the consideration payable for the supply multiplied by the applicable GST rate; and

(3) NEMMCO must include in preliminary statements, final statements, routine revised statements, special revised statements, statements and invoices issued under the Rules the additional amounts contemplated by clauses 3.15.10A(b)(1) and (2).

(c) However, if the additional amount paid or payable to a Registered participant, NEMMCO, the AER or the AEMC under clause 3.15.10A(b) in respect of a taxable supply differs from the actual amount of GST payable by or to the Registered Participant, NEMMCO, the AER or the AEMC (as applicable) under the GST Act in respect of the relevant supply, then adjustments must be made in accordance with clause 3.15.19 so as to ensure the additional amount paid under this clause in respect of the supply is equal to the actual amount of GST payable under the GST Act in respect of the supply.

### 3.15.10B Restriction contract amounts

(a) If clause 3.12A.7(g) applies then NEMMCO must include in the next statement provided under clauses 3.15.14 and 3.15.15 immediately after the end of the relevant mandatory restriction period separate details of amounts payable:

(1) by Market Customers in the relevant region in which the mandatory restrictions apply an amount equal to:

\[
EMCP = RSA \times \frac{(AGE)}{}
\]
(AAGE)

Where:

EMCP is the payment to be made by Market Customers to NEMMCO.

RSA is the restriction shortfall amount.

AGE is the adjusted gross energy of a Market Customer in that region for the mandatory restriction period expressed in MWh.

AAGE is the aggregate of the adjusted gross energy of all Market Customers in that region for the mandatory restriction period expressed in MWh;

(2) by Scheduled Generators and Scheduled Network Service Providers to NEMMCO in accordance with clause 3.12A.7(a); and

(3) the amounts payable by NEMMCO to the Scheduled Generators or Scheduled Network Service Providers pursuant to accepted restriction offers.

(b) Immediately upon the later of the publication of the independent expert's final report in accordance with clause 3.12A.7(i)(8) and the determination of a dispute resolution panel pursuant to clause 3.12A.7(m), if any, NEMMCO must include in the next statements provided under clauses 3.15.14 and 3.15.15 separate details of any amounts payable:

(i) by a Market Customer equal to the amount as determined in accordance with clause 3.12A.7(g)(i) less the amount determined in accordance with clause 3.15.10B(a)(1), if such number is positive together with interest on such amount calculated by applying the bank bill rate on the date of this statement for the period from the date of the statement referred to in clause 3.15.10B(a) to the date of this statement under clause 3.15.10B(b); and

(ii) to a Market Customer equal to the amount determined in accordance with clause 3.15.10B(a)(1) less the amount determined in accordance with clause 3.12A.7(g)(i), if such number is positive together with interest on such amount calculated by applying the bank bill rate on the date of this statement for the period from the date of the statement referred to in clause 3.15.10B(a) to the date of this statement under clause 3.15.10B(b).

(c) If clauses 3.12A.7(f) or 3.12A.7(h) apply then NEMMCO must include in the next statement provided under clauses 3.15.14 and 3.15.15 immediately after the end of the relevant mandatory restriction period separate details of any amounts payable:

(i) by or to Market Customers as determined in accordance with clauses 3.12A.7(e) or 3.12A.7(h) respectively;

(ii) by Scheduled Generators and Scheduled Network Service Providers to NEMMCO in accordance with clause 3.12A.7(a); and
(iii) the amounts payable by NEMMCO to the Scheduled Generators or Scheduled Network Service Providers pursuant to all accepted restriction offers.

3.15.10C Intervention Settlements

(a) NEMMCO must include in the final statement provided under clause 3.15.14 and 3.15.15 for a billing period in which a direction was issued:

(1) for each Affected Participant and Market Customer in relation to that direction the amount calculated pursuant to clause 3.12.2(c);

(2) for each Directed Participant in relation to that direction the amount calculated pursuant to clause 3.15.7(c) or clause 3.15.7A(a) by application of clause 3.15.7A(e), as the case may be;

(3) for each Market Customer in relation to that direction the amount calculated pursuant to clause 3.15.8(b) by application of clause 3.15.8 mutatis mutandis provided that the amount for the purposes of:

   (i) clause 3.15.8(a)(1)(i) shall be the total amount payable to NEMMCO by Affected Participants and Market Customers calculated pursuant to clause 3.12.2(c);

   (ii) clause 3.15.8(a)(1)(ii) shall be the amount calculated in accordance with that clause;

   (iii) clause 3.15.8(a)(2)(i) shall be the total amount payable by NEMMCO to Affected Participants and Market Customers calculated pursuant to clause 3.12.2(c);

   (iv) clause 3.15.8(a)(2)(ii) shall be the sum of the total amount payable by NEMMCO to Directed Participants calculated pursuant to clause 3.15.7(c) and 3.15.7A(a) by application of 3.15.7A(e); and

   (v) clause 3.15.8(a)(2)(iii) shall be zero; and

(4) for each Market Customer and Market Generator in relation to that direction an amount calculated pursuant to clause 3.15.8(e) by application of clause 3.15.8 mutatis mutandis provided that for the purposes of clause 3.15.8(f)(2) TNCASP, TSRP, TCRSP, TCLSP and TSFCAS shall be the total compensation payable by NEMMCO for the relevant ancillary service calculated in accordance with clause 3.15.7(c) or clause 3.15.7A(a) by application of clause 3.15.7A(e), as the case may be.

(b) NEMMCO must include in the first statement it provides under clauses 3.15.14 and 3.15.15 following a final determination of all total amounts payable or receivable by it pursuant to clause 3.12.2, clause 3.15.7(a) and clause 3.15.8, separate details of the amount:
(1) receivable by each Directed Participant pursuant to clause 3.15.7(a) less the amount, if any, paid to that Directed Participant pursuant to clause 3.15.10C(a)(2);

(2) receivable by each Affected Participant or Market Customer pursuant to clause 3.12.2:
   
   (i) less the amount paid to that Affected Participant or Market Customer, in accordance with the statement issued to it pursuant to clause 3.15.10C(a)(1), if any; or

   (ii) plus the amount paid by that Affected Participant or Market Customer in accordance with the statement issued to it pursuant to clause 3.15.10C(a)(1), if any;

(3) payable by each Affected Participant or Market Customer pursuant to clause 3.12.2:

   (i) less the amount paid by that Affected Participant or Market Customer, in accordance with the statement issued to it pursuant to clause 3.15.10C(a)(1), if any; or

   (ii) plus the amount paid to that Affected Participant or Market Customer in accordance with the statement issued to it pursuant to clause 3.15.10C(a)(1), if any;

(4) receivable by each Market Customer pursuant to clause 3.15.8(b):

   (i) less the amount paid to that Market Customer in accordance with the statement issued to it pursuant to clause 3.15.10C(a)(3), if any; or

   (ii) plus the amount paid by that Market Customer in accordance with the statement issued to it pursuant to clause 3.15.10C(a)(3), if any;

(5) payable by each Market Customer pursuant to clause 3.15.8(b):

   (i) less the amount paid by that Market Customer in accordance with the statement issued to it pursuant to clause 3.15.10C(a)(3), if any; or

   (ii) plus the amount paid to that Market Customer in accordance with the statement issued to it pursuant to clause 3.15.10C(a)(3), if any;

(6) if an Affected Participant or Market Customer is not entitled to any compensation pursuant to clause 3.12.2, the amount:

   (i) receivable by that person equal to the amount paid by that person pursuant to clause 3.15.10C(a); or

   (ii) payable by that person equal to the amount paid to that person pursuant to clause 3.15.10C(a);

(7) payable by each Market Customer and Market Generator equal to:
(i) the amount payable by the Market Customer or Market Generator, as the case may be, pursuant to clause 3.15.8(e) by application of clause 3.15.8 mutatis mutandis provided that for the purposes of clause 3.15.8(f)(2) TNCASP, TSRP, TCRSP, TCLSP and TSFCAS shall be the total compensation payable by NEMMCO for the relevant ancillary service calculated in accordance with clause 3.15.7A(a); less

(ii) the amount paid by the Market Customer or Market Generator, as the case may be, in accordance with the statement issued to it pursuant to clause 3.15.10C(a)(4); and

(8) payable by Registered Participants pursuant to clause 3.15.8(g).

c) If on application by the AER a court determines, in relation to a direction, that a Directed Participant has breached clause 4.8.9(c2) then:

(1) the Directed Participant shall not be entitled to, and must repay, any compensation plus interest pursuant to clauses 3.15.7, 3.15.7A and 3.15.7B, in relation to that direction; and

(2) the AER must forward to NEMMCO a written notice of the court's determination.

(3) NEMMCO must include in the first relevant statement it provides under clauses 3.15.14 and 3.15.15 following receipt of the notice from the AER issued pursuant to clause 3.15.10C(c)(2) separate details of:

(i) an amount payable to NEMMCO by the Directed Participant equal to the total compensation received by that Directed Participant in accordance with clauses 3.15.7, 3.15.7A and 3.15.7B plus interest on that total compensation computed at the average bank bill rate for the period from the date of payment of such amount to the Directed Participant until the date of that first statement;

(ii) an amount payable by NEMMCO to each relevant Market Customer calculated by applying clause 3.15.8(b) mutatis mutandis except that:

(A) MCP shall equal the amount receivable by the Market Customer; and

(B) CRA shall equal that part of the amount, including interest, calculated pursuant to clause 3.15.10C(c)(3)(i) attributable to the provision of energy by the Directed Participant; and

(iii) an amount payable by NEMMCO to each relevant Market Customer and Market Generator calculated by applying clause 3.15.8(f)(2) mutatis mutandis except that:

(A) all trading amounts determined by this clause 3.15.10C(c)(3)(iii) shall be positive; and
(B) TNCASP, TSRP, TCRSP, TCLSP, and TSFCAS shall all be an amount equal to that part of the amount, including interest, calculated pursuant to clause 3.15.10C(c)(3)(i) attributable to the provision of the relevant ancillary service.

3.15.11 Reallocation transactions

(a) A reallocation transaction is a transaction undertaken with the consent of two Market Participants and NEMMCO, under which NEMMCO credits one Market Participant with a positive trading amount in respect of a trading interval, in consideration of a matching negative trading amount debited to the other Market Participant in respect of the same trading interval.

(b) Reallocation transactions may be of any type permitted in the reallocation procedures.

(c) A reallocation transaction is initiated by a reallocation request lodged with NEMMCO by or on behalf of two Market Participants.

(d) A reallocation request must:

(1) contain the information required by the reallocation procedures; and

(2) be lodged with NEMMCO in accordance with the reallocation procedures and the timetable for reallocation requests as published by NEMMCO from time to time (the reallocation timetable).

(e) Upon receipt of a reallocation request NEMMCO must register the reallocation request within the time specified in the reallocation procedures and the reallocation timetable and may impose conditions on that registration as contemplated by the reallocation procedures.

(f) After a reallocation request has been registered in respect of two Market Participants, NEMMCO may deregister the reallocation request if:

(1) the prudential requirements are not satisfied by either of those Market Participants;

(2) either of the Market Participants fails to comply with any conditions imposed by NEMMCO in respect of the reallocation request at the time it was registered;

(3) both Market Participants notify NEMMCO in accordance with the reallocation procedures that they require the reallocation request to be terminated; or

(4) a default event occurs in respect of either of the Market Participants and NEMMCO exercises its powers under paragraph (I).

(g) Deregistration of a reallocation request prevents reallocation transactions occurring in respect of all the trading intervals that occur after the time of deregistration.
(h) *NEMMCO* must not deregister a reallocation request under paragraph (f) otherwise than in accordance with the reallocation procedures.

(i) The Market Participants may agree to reverse the effect of a registered reallocation request by lodging a new reallocation request in accordance with the reallocation procedures and the reallocation timetable.

(j) *NEMMCO* must include details of reallocation transactions in the settlement statements issued to all parties to those reallocation transactions.

(k) Where there is a registration of a reallocation request in respect of a trading interval and that trading interval has occurred, a reallocation transaction occurs in accordance with that reallocation request.

(l) If a default event occurs in relation to a party to a reallocation request when one or more of the trading intervals specified in the reallocation request has not occurred, *NEMMCO* may deregister the reallocation request by notice given at any time whilst the default event is subsisting.

(m) The deregistration under paragraph (l) is effective immediately upon *NEMMCO* notifying both parties to a reallocation request of the deregistration and the deregistration:

1. is effective for all trading intervals commencing after the time specified in the notice, and notwithstanding that the default event may be subsequently cured; and

2. prevents the completion of the requested reallocation transactions in the trading intervals that commence at or after the time specified in the deregistration notice.

(n) In addition to any other right *NEMMCO* may exercise following a default event, upon deregistration of a reallocation request *NEMMCO* may redetermine the maximum credit limit and trading limit for either or both of the parties to the reallocation request, having regard to the deregistration that has occurred.

### 3.15.11A Reallocation procedures

(a) *NEMMCO* must develop and publish procedures in accordance with the *Rules consultation procedures*, to enable Market Participants to create and record reallocation requests and reallocation transactions in accordance with clause 3.15.11 in respect of electricity trading transactions other than those conducted through the market and/or establish mutual indemnification arrangements with other operators of markets for electricity-based trading (the “reallocation procedures”).

(b) *NEMMCO* may, from time to time and in accordance with the *Rules consultation procedures*, amend or replace the reallocation procedures.

(c) Paragraph (b) does not apply to amendments to the reallocation procedures that are of a minor or administrative nature and *NEMMCO* may make such amendments at any time.
(d) NEMMCO must develop and publish the first reallocation procedures by 1 January 2008 and there must be such procedures available at all times after that date.

(e) NEMMCO is not required to meet its obligations under paragraph (a) in any way which increases NEMMCO’s risks in the collection of moneys owed to it in accordance with any provisions of the Rules.

3.15.12 Settlement amount

(a) Subject to clause 3.15.12(b), for each billing period NEMMCO must calculate a net "settlement amount" for each Market Participant by aggregating the trading amounts resulting for each Market Participant from each transaction in respect of each trading interval occurring in that billing period together with Participant fees determined in accordance with rule 2.11 and any other amounts payable or receivable by the Market Participants in that billing period under this Chapter 3. The settlement amount will be a positive or negative dollar amount for each Market Participant.

(b) NEMMCO may calculate an estimate of the net settlement amount for each Market Participant (the “estimated settlement amount”) if, within the time provided for the giving of preliminary statements in accordance with clause 3.15.14, NEMMCO is prevented from calculating the net settlement amount in accordance with clause 3.15.12(a) by factors which are beyond the control of NEMMCO and which deprive NEMMCO of the relevant data required to calculate the net settlement amount (the “relevant data”), including:

1. a failure of:
   (i) metering data processing;
   (ii) communications; or
   (iii) the settlements processing system; and

2. any other events or circumstances which prevent the calculation of the actual net settlement amount by NEMMCO.

(c) NEMMCO must develop the principles and the process to be applied in calculating the estimated settlement amount, and make any necessary modifications to those principles and that process, in accordance with the Rules consultation process.

3.15.13 Payment of settlement amount

Where the settlement amount for a Market Participant is negative the absolute value of the settlement amount is an amount payable by the Market Participant to NEMMCO pursuant to clause 3.15.15. Where the settlement amount for a Market Participant is positive the settlement amount is an amount receivable by the Market Participant from NEMMCO pursuant to clause 3.15.15, subject to the provisions of clause 3.15.22.
3.15.14 Preliminary statements

(a) Subject to clause 3.15.14(b), within 5 business days after the end of each billing period, NEMMCO must give each Market Participant a draft of the statement to be given to the Market Participant under clause 3.15.15 together with supporting data relating to the transactions in that billing period and the prices at which electricity was bought and sold by the Market Participant.

(b) If NEMMCO calculates an estimated settlement amount in accordance with clause 3.15.12(b), NEMMCO must:

(1) when giving a preliminary statement in accordance with this clause 3.15.14, provide a detailed report to affected Market Participants setting out the basis and calculations used for its estimation; and

(2) if requested to do so by affected Market Participants, consult with those Market Participants to ascertain whether or not any adjustments are required to the estimated settlement amount prior to the giving of a final statement.

3.15.15 Final statements

(a) No later than 18 business days after the end of each billing period, NEMMCO must give to each Market Participant a final statement stating the amounts payable by the Market Participant to NEMMCO or receivable by the Market Participant from NEMMCO (subject to clause 3.15.22) in respect of the relevant billing period.

(b) Unless NEMMCO has used an estimated settlement amount in accordance with clause 3.15.12, the statements issued under this clause 3.15.15 must include supporting data for all amounts payable or receivable.

3.15.15A Use of estimated settlement amounts by NEMMCO

(a) Subject to clause 3.15.15A(b), if NEMMCO calculates an estimated settlement amount in accordance with clause 3.15.12(b), then clauses 3.15.13, 3.15.14 and 3.15.15 will have effect mutatis mutandis by applying the estimated settlement amount in place of a settlement amount for a Market Participant for the purposes of those clauses.

(b) If NEMMCO receives relevant data:

(1) after it has given the preliminary statement in accordance with clause 3.15.14 but before giving a final statement, then it must adjust the estimated settlement amount accordingly for the purposes of preparing the final statement; or

(2) within 60 days after it has given a final statement to which the relevant data relates, then NEMMCO must adjust the relevant estimated settlement amount accordingly and issue a revised statement in accordance with clause 3.15.19(a).
3.15.16 Payment by market participants

On the 20th business day after the end of a billing period, or 2 business days after receiving a statement under clause 3.15.15, whichever is the later, and in accordance with the timetable each Market Participant must pay to NEMMCO in cleared funds the net amount stated to be payable by that Market Participant in that statement whether or not the Market Participant continues to dispute the net amount payable.

3.15.17 Payment to market participants

Subject to clause 3.15.22 on the day on which NEMMCO is to be paid under clause 3.15.16, NEMMCO must pay to each Market Participant in cleared funds the net amount stated to be payable to that Market Participant in the relevant statement given to it under clause 3.15.15.

3.15.18 Disputes

(a) In the event of a dispute between a Market Participant and NEMMCO concerning either the net amount (including any estimated settlement amount) stated in a preliminary statement provided under clause 3.15.14 to be payable by or to it or the supporting data, they must each use reasonable endeavours to resolve the dispute within 15 business days of the end of the relevant billing period.

(b) Disputes in respect of final statements or the supporting data provided with them in accordance with clause 3.15.15 must be raised within 6 months of the relevant billing period.

(c) Disputes raised under this clause 3.15.18:

(1) can only be raised by a Market Participant or NEMMCO issuing a written notice of dispute in the form prescribed by NEMMCO’s DMS and otherwise in accordance with rule 8.2;

(2) must be resolved by agreement or pursuant to rule 8.2; and

(3) are, for the purpose of this clause, deemed to have been raised on the day NEMMCO receives the written notice of dispute.

(d) A Market Participant that may be materially affected by the outcome of a dispute under clause 3.15.18 may be joined to that dispute by the Adviser on request by that Market Participant or by NEMMCO.

3.15.19 Revised Statements and Adjustments

(a) Where a dispute about a final statement has been either resolved by agreement between NEMMCO and the relevant Market Participant (“the Disputant”) or determined under rule 8.2 and an adjustment to the settlement amount stated in the disputed final statement is required, or an adjustment is required under clause 3.15.10A, NEMMCO must:
(1) recalculate the settlement amount for that Market Participant and each other Market Participant who received a final statement for the relevant billing period:

(i) in accordance with the applicable procedures set out in the Rules and,

(ii) taking into account the adjustment;

(2) if the adjustment is required as a result of a dispute and the recalculated settlement amount for the Disputant is between 95% and 105% of the relevant settlement amount:

(i) calculate for each Market Participant the amount by which the relevant settlement amount must be adjusted to be equal to the recalculated settlement amount after taking into account any routine or special revised statement; and

(ii) for each Market Participant include that amount in the next routine revised statement given to those Market Participants for the relevant billing period practicable and if there is no routine revised statement, in accordance with clauses 3.15.19(a)(3)(ii) and (iii).

(3) if the adjustment is required under clause 3.15.10A, or the adjustment is required as a result of a dispute and the recalculated settlement amount for the Disputant is less than 95% or more than 105% of the relevant settlement amount:

(i) calculate for each Market Participant the amount by which the relevant settlement amount must be adjusted to be equal to the recalculated settlement amount after taking into account any routine or special revised statement;

(ii) give each Market Participant a special revised statement for the relevant billing period in addition to any routine revised statement given under clause 3.15.19(b); and

(iii) give each Market Participant a notice advising of the reason why a settlement statement was given by NEMMCO under clause 3.15.19(a)(3).

(b) For each billing period NEMMCO must give each Market Participant a routine revised statement approximately 20 weeks after the relevant billing period and approximately 30 weeks after the relevant billing period. Each routine revised statement must recalculate the Market Participant’s settlement amount for that billing period:

(1) taking into account all amended metering data, amended trading amounts, amended Participant fees and any other amounts payable or receivable by Market Participants under this Chapter 3; and

(2) using the most recent version of NEMMCO’s settlement calculation software applicable to that billing period.
(c) Each special and routine revised statement issued under this clause must:

1. state the revised settlement amount for the relevant billing period;
2. be issued in accordance with the revised statement policy;
3. be issued with revised supporting data for the transactions for the relevant billing period (except in the case of a special revised statement dealing with an adjustment required under clause 3.15.10A) and must include supporting data for all amounts payable or receivable.

(d) If NEMMCO has issued a routine revised statement or special revised statement (the “revised statement”) to a Market Participant in respect of a billing period (the “original billing period”), NEMMCO must include in the next final statement to the Market Participant issued not less than 8 business days after the revised statement (the “next statement”):

1. the amount necessary to put the Market Participant in the position it would have been in at the time payment was made under clause 3.15.16 or 3.15.17 (as applicable) in respect of the final statement for the original billing period, if the original revised statement had been given as the final statement for the billing period, but taking into account any adjustments previously made under this clause 3.15.19 as a result of any other routine revised statement or special revised statement in relation to the original billing period; and
2. interest on the amount referred to in clause 3.15.19(d)(1) computed at the average bank bill rate for the period from the date on which payment was required to be made under clauses 3.15.16 and 3.15.17 in respect of the final statement for the original billing period to the date on which payment is required to be made under those clauses in respect of the next statement.

(e) NEMMCO must develop and publish a policy for routine and special revised statements. NEMMCO may amend the policy at any time. NEMMCO must develop and amend the policy in accordance with the Rules consultation procedures. The policy must include:

1. a calendar setting out when routine revised statements will be issued by NEMMCO;
2. the process by which the calendar can be amended or varied by NEMMCO and the process by which Market Participants are notified of any amendment and variation; and
3. a transitional process by which NEMMCO will issue any outstanding routine revised statement.

### 3.15.20 Payment of adjustments

(a) Adjustments made and interest calculated and included in a final statement under clause 3.15.19 must be paid as part of the settlement amount shown on that final statement in accordance with either clause 3.15.16 or 3.15.17.
(b) Clause 3.15.22 does not apply to a final statement to the extent that the final statement incorporates an adjustment amount and interest pursuant to clause 3.15.19.

(c) Disputes in respect of adjustment amounts and interest incorporated into a final statement pursuant to clause 3.15.19 must be:

1. raised within 20 business days of the date of the final statement that they are incorporated into; and

2. resolved by agreement or pursuant to the dispute resolution procedures set out in rule 8.2.

3.15.21 Default procedure

(a) Each of the following is a default event in relation to a Market Participant:

1. the Market Participant does not pay any money due for payment by it under the Rules by the appointed time on the due date;

2. NEMMCO does not receive payment in full of any amount claimed by NEMMCO under any credit support in respect of a Market Participant, within 90 minutes after the due time for payment of that claim;

3. the Market Participant fails to provide credit support required to be supplied under the Rules by the appointed time on the due date;

4. it is unlawful for the Market Participant to comply with any of its obligations under the Rules or any other obligation owed to NEMMCO or it is claimed to be so by the Market Participant;

5. it is unlawful for any credit support provider in relation to the Market Participant to comply with any of its obligations under the Rules or any other obligation owed to NEMMCO or it is claimed to be so by that credit support provider;

6. an authorisation from a government body necessary to enable the Market Participant or a credit support provider which has provided credit support for that Market Participant to carry on their respective principal business or activities ceases to be in full force and effect;

7. the Market Participant or a credit support provider which has provided credit support for that Market Participant ceases or threatens to cease to carry on its business or a substantial part of its business;

8. the Market Participant or a credit support provider which has provided credit support for that Market Participant enters into or takes any action to enter into an arrangement (including a scheme of arrangement), composition or compromise with, or assignment for the benefit of, all or any class of their respective creditors or members or a moratorium involving any of them;
(9) the Market Participant or a credit support provider which has provided credit support for that Market Participant states that it is unable to pay from its own money its debts when they fall due for payment;

(10) a receiver or receiver and manager is appointed in respect of any property of the Market Participant or a credit support provider which has provided credit support for that Market Participant;

(11) an administrator, provisional liquidator, liquidator, trustee in bankruptcy or person having a similar or analogous function under the laws of any relevant jurisdiction is appointed in respect of the Market Participant or a credit support provider which has provided credit support for that Market Participant, or any action is taken to appoint any such person;

(12) an application or order is made for the winding up or dissolution or a resolution is passed or any steps are taken to pass a resolution for the winding up or dissolution of the Market Participant or a credit support provider which has provided credit support for that Market Participant;

(13) A notice under section 601AB(3) of the Corporations Act is given to the Market Participant or a credit support provider which has provided credit support for that Market Participant unless the registration of that Market Participant or credit support provider is reinstated under section 601AH of the Corporations Act;

(14) the Market Participant or a credit support provider which has provided credit support for that Market Participant dies or is dissolved unless such notice of dissolution is discharged;

(15) the Market Participant or a credit support provider which has provided credit support for that Market Participant is taken to be insolvent or unable to pay its debts under any applicable legislation.

(b) Where a default event has occurred in relation to a Market Participant, NEMMCO may:

(1) issue a "default notice" specifying the alleged default and requiring the Market Participant to remedy the default by 1.00 pm (Sydney time) the next day following the date of issue of the default notice; and/or

(2) if it has not already done so, make claim upon any credit support held in respect of the obligations of the Market Participant for such amount as NEMMCO determines represents the amount of any money actually or contingently owing by the Market Participant to NEMMCO pursuant to the Rules.

(c) If the default event is not remedied by 1.00 pm (Sydney time) the next day following the date of issue of the default notice or any later deadline agreed to in writing by NEMMCO, or if NEMMCO receives notice from the defaulting Market Participant that it is not likely to remedy the default, then NEMMCO may issue a "suspension notice" under which NEMMCO notifies the defaulting Market Participant of the date and time from which it is suspended from trading, and the extent of that suspension.
(d) At the time of issue of a suspension notice, or as immediately thereafter as is practicable, NEMMCO must forward a copy of the suspension notice to the AER and to each Market Participant which is financially responsible for a transmission network connection point to which is allocated a connection point for which the defaulting Market Participant is financially responsible.

(e) NEMMCO must lift a suspension notice if the default event is remedied and there are no other circumstances in existence which would entitle NEMMCO to issue a suspension notice.

(f) NEMMCO must issue a public announcement that the Market Participant has been suspended from the market including details of the extent of the suspension, simultaneously with, or at any time after, a suspension notice is issued. NEMMCO must issue a public notice promptly after a suspension notice is lifted.

(g) From the time of suspension that NEMMCO stipulates in a suspension notice to a Market Participant the Market Participant is ineligible to trade or enter into any transaction in the market to the extent specified in the notice, until such time that NEMMCO notifies the Market Participant and all other Market Participants of the date and time that the suspension has been lifted.

(h) The defaulting Market Participant must comply with a suspension notice.

(i) Following the issue of a suspension notice, NEMMCO may do all or any of the following to give effect to the suspension notice:

(1) reject any dispatch bid or dispatch offer submitted by the defaulting Market Participant;

(2) withhold the payment of any amounts otherwise due to the defaulting Market Participant under the Rules; or

(3) deregister or reject any reallocation request to which the defaulting Market Participant is a party.

The issue of a suspension notice which has not been lifted is a "relevant disconnection event" (ie. an event for which a Registered Participant's market loads may be disconnected) within the meaning of section 63(2) of the National Electricity Law.

(j) Unless provided with instructions from the relevant participating jurisdiction or participating jurisdictions that a nominated third party is to assume financial responsibility for a suspended Market Participant's obligations under the Rules and that person does so, then, following the issue of a suspension notice, NEMMCO must request the AER to seek, and the AER must then seek, an order from a court to physically disconnect market loads for which the defaulting Market Participant is financially responsible.

3.15.22 Maximum total payment in respect of a billing period

(a) For the purposes of this clause 3.15.22, the maximum total payment in respect of a billing period is equal to:
(1) the aggregate of the energy trading amounts as determined in accordance with clause 3.15.6 and reallocation amounts as determined in accordance with clause 3.15.11 received by NEMMCO from Market Participants in accordance with clause 3.15.16 in respect of that billing period in accordance with the timetable on the latest date for payment by Market Participants as described in clause 3.15.16 (called the payment date),

plus

(2) if there is one or more Market Participants in default, the aggregate amount which NEMMCO is able to obtain from the credit support and apply from security deposits provided by the Market Participants in default under rule 3.3 on the payment date in accordance with the timetable,

minus

(3) if there is one or more Market Participants in default, the aggregate of amounts payable to NEMMCO by those Market Participants in respect of that billing period in accordance with clause 3.15.16 but not received in accordance with the timetable on the latest date for payment as described in clause 3.15.16 (called the payment date),

plus

(4) if there is one or more Market Participants in default, the aggregate of energy trading amounts and reallocation amounts payable to NEMMCO under clauses 3.15.6 and 3.15.11 by those Market Participants in respect of that billing period in accordance with clause 3.15.16 but not received in accordance with the timetable on the latest date for payment as described in clause 3.15.16 (called the payment date),

minus

(5) inter-regional and intra-regional settlements surpluses as determined or allocated by NEMMCO in accordance with the procedure established under clause 3.6.5.

(b) The maximum amount which NEMMCO is required to pay to Market Participants in respect of spot market transactions or reallocation transactions in respect of a billing period is equal to the maximum total payment in respect of that billing period.

(c) If the maximum total payment in respect of a billing period is not sufficient to meet the aggregate of the net amounts payable by NEMMCO to each of the Market Participants to whom payments are to be made in relation to spot market transactions or reallocation transactions in respect of the billing period ("the aggregate payment due"), then the aggregate amount payable by NEMMCO to each relevant Market Participant for any of these transactions in respect of that billing period shall be reduced by applying the following formula:
AAP = SAP \times \frac{A}{B}

where:

AAP is the reduced amount actually payable by NEMMCO to the relevant Market Participant in respect of the relevant billing period;

SAP is the net amount that would have been payable to the relevant Market Participant in respect of spot market transactions or reallocation transactions in respect of the relevant billing period but for the application of this clause 3.15.22;

A is the maximum total payment in respect of the billing period; and

B is the aggregate payment due in respect of the billing period.

(d) This clause 3.15.22 applies notwithstanding any other provision of this Chapter.

3.15.23 Maximum total payment in respect of a financial year

(a) If in a financial year a Market Participant suffers a reduction in payment under clause 3.15.22 the provisions of this clause shall apply to adjust the payments made to each Market Participant in the financial year.

(b) The ratio of the overall shortfall to the sum of the aggregate payments due for a financial year shall be determined by the following formula:

$$SS = \frac{A_1 + C}{B_1}$$

where:

SS is the ratio of the overall shortfall to the sum of the aggregate payments due for the financial year;

A_1 is the aggregate of the As referred to in clause 3.15.22, being the maximum total payment in respect of each billing period forming the financial year;

B_1 is the aggregate of the Bs referred to in clause 3.15.22, being the aggregate payment due in respect of each billing period forming the financial year; and

C is the aggregated late payments and credit support receipts in respect of defaulting Market Participants in the financial year plus interest received on such amounts under clause 3.15.25.

(c) The shortfall for a financial year shall be applied pro rata to each Market Participant in the financial year by applying the following formula:

$$SS_1 = (SAP_1 \times SS) - AAP_1$$
where:

SS\(_1\) is the shortfall or surplus payable by or due to the Market Participant in respect of the financial year;

SAP\(_1\) is the aggregate of the SAPs referred to in clause 3.15.22 being the net amounts due to the Market Participant in respect of each billing period forming the financial year;

SS is determined in accordance with clause 3.15.23(b); and

AAP\(_1\) is the aggregate of the AAPs referred to in clause 3.15.22, being the reduced amounts payable to the Market Participant in respect of each billing period forming the financial year.

(d) NEMMCO must issue a statement stating the SS\(_1\) amount payable to or receivable by the Market Participant in respect of this clause 3.15.23. If SS\(_1\) is positive, such that an amount is payable by NEMMCO it will credit the sum to the Market Participant’s account in the next billing period. If SS\(_1\) is negative, such that an amount is payable by a Market Participant, NEMMCO will at its discretion either debit the sum to the Market Participant in the next billing period or issue an invoice for immediate payment of the amount.

**3.15.24 Compensation for reductions under clause 3.15.23**

(a) If:

(1) a Market Participant suffers a reduction in payment under clause 3.15.23; and

(2) an amount is recovered by NEMMCO after the end of a financial year from the person whose default gave rise (in whole or in part) to the reduction, in respect of the default,

then, subject to clause 3.15.24(c), the Market Participant is entitled to be paid by NEMMCO out of the amount recovered the amount of the reduction suffered and interest for receiving the amount of the reduction later than it would otherwise have done.

(b) The amount of the interest payable under clause 3.15.24(a) is to be determined in each case by NEMMCO.

(c) If the amount recovered from the person whose default gave rise to the reduction is not sufficient to pay all Market Participants the amounts to which they are entitled under clause 3.15.23 then the amount recovered is to be distributed amongst them pro rata according to the reductions suffered. Such distribution to be made at any time following the end of a financial year.

**3.15.25 Interest on overdue amounts**

(a) A Market Participant or NEMMCO must pay interest on any unpaid moneys due and payable by it under this Chapter.
(b) The rate of interest payable under this clause 3.15.25 is the *bank bill rate* calculated as simple interest on a daily basis from the date payment was due, up to and including the date of payment, with interest compounding monthly on the last day of each month whilst the unpaid moneys remain outstanding.

3.16 Participant compensation fund

3.16.1 Establishment of Participant compensation fund

(a) *NEMMCO* must continue to maintain, in the books of the corporation, a fund called the *Participant compensation fund* for the purpose of paying compensation to *Scheduled Generators* and *Scheduled Network Service Providers* as determined by the *dispute resolution panel* for scheduling errors under this Chapter 3.

(b) *NEMMCO* must pay to the *Participant compensation fund* that component of *Participant fees* under rule 2.11 attributable to the *Participant compensation fund*.

(c) The funding requirement for the *Participant compensation fund* for each financial year is the lesser of:

1. $1,000,000; and
2. $5,000,000 minus the amount which *NEMMCO* reasonably estimates will be the balance of the *Participant compensation fund* at the end of the relevant financial year.

(d) The *Participant compensation fund* is to be maintained by *NEMMCO* and is the property of *NEMMCO*.

(e) Any interest paid on money held in the *Participant compensation fund* will accrue to and form part of the *Participant compensation fund*.

(f) *NEMMCO* must pay from the *Participant compensation fund* all income tax on interest earned by the *Participant compensation fund* and must pay from the *Participant compensation fund* all bank account debit tax, financial institutions duty and bank fees in relation to the *Participant compensation fund*.

(g) Upon ceasing to be a *Scheduled Generator*, a *Scheduled Generator* is not entitled to a refund of any contributions made to the *Participant compensation fund*.

(h) Upon ceasing to be a *Scheduled Network Service Provider*, a *Scheduled Network Service Provider* is not entitled to a refund of any contributions made to the *Participant compensation fund*.

3.16.2 Dispute resolution panel to determine compensation

(a) Where a *scheduling error* occurs, a *Market Participant* may apply to the *dispute resolution panel* for a determination as to compensation under this clause 3.16.2.
(b) Where a scheduling error occurs, the dispute resolution panel may determine that compensation is payable to Market Participants and the amount of any such compensation payable from the Participant compensation fund.

(c) A determination by the dispute resolution panel as to compensation must be consistent with this clause 3.16.2.

(d) A Scheduled Generator who receives an instruction in respect of a scheduled generating unit to operate at a lower level than the level at which it would have been instructed to operate had the scheduling error not occurred, will be entitled to receive in compensation an amount determined by the dispute resolution panel.

(e) A Scheduled Network Service Provider who receives an instruction in respect of its scheduled network services to transfer less power on the scheduled network service than it would have been instructed to transfer had the scheduling error not occurred, will be entitled to receive in compensation an amount determined by the dispute resolution panel.

(f) A Scheduled Generator who receives a dispatch instruction in respect of a scheduled generating unit to operate at a level consistent with a dispatch offer price (with reference to the relevant regional reference node) which is higher than the dispatch price, due to the operation of clause 3.9.2B, is entitled to receive in compensation an amount determined by the dispute resolution panel.

(g) A Scheduled Network Service Provider who receives an instruction in respect of its scheduled network services to transfer power on the scheduled network service consistent with a network dispatch offer price but receives less net revenue than would be expected under clause 3.8.6A(f) due to adjustment of the spot price for a trading interval under clause 3.9.2B, is entitled to receive in compensation an amount determined by the dispute resolution panel.

(h) In determining the level of compensation to which Market Participants are entitled in relation to a scheduling error, the dispute resolution panel must:

1. Where the entitlement to compensation arises under clause 3.16.2(f), determine compensation on the basis of the actual loading level and not the dispatch instruction applicable to the relevant scheduled generating unit for that dispatch interval;

2. Where the entitlement to compensation arises under clause 3.16.2(g), determine compensation on the basis of the actual loading level and not the dispatch instruction applicable to the relevant scheduled network service for that dispatch interval;

3. Use the spot price as determined under rule 3.9, including any spot prices that have been adjusted in accordance with clause 3.9.2B;

4. Take into account the current balance of the Participant compensation fund and the potential for further liabilities to arise during the year;

5. Recognise that the aggregate liability in any year in respect of scheduling errors cannot exceed the balance of the Participant compensation fund.
that would have been available at the end of that year if no compensation payments for scheduling errors had been made during that year.

(i) The manner and timing of payments from the Participant compensation fund are to be determined by the dispute resolution panel.

(j) To the maximum extent permitted by law, NEMMCO is not liable in respect of a scheduling error except out of the Participant compensation fund as contemplated in this clause 3.16.2.

3.17 NEMMCO Software

3.17.1 Acceptance of software

NEMMCO must not alter, reconfigure, reprogram or otherwise modify or enhance any computer software required under this Chapter 3 for the operation of the market unless such changes have been duly authorised by the AER.

3.17.2 No liability

To the maximum extent permitted by law, no Contractor, and no employee, officer or agent of NEMMCO or a Contractor, is liable (in contract, tort including negligence or otherwise) for any loss or damage suffered or incurred by a Market Participant or any other person as a consequence of the use of any computer software to operate the market. For the purpose of this clause, "Contractor" means any person or organisation engaged by NEMMCO to assist in the development, design, installation, maintenance or upgrading of the computer software used to operate the market.

3.18 Settlement Residue Auctions

3.18.1 Settlement residue concepts

(a) An "auction participation agreement" is an agreement between NEMMCO and an eligible person concerning the participation by the eligible person in auctions.

(b) A "settlement residue distribution agreement" or "SRD agreement" is an agreement between NEMMCO and an eligible person entered into following an auction under which:

(1) NEMMCO agrees to distribute to the eligible person a portion of the settlements residues allocated to a directional interconnector for a period specified in the SRD agreement; and

(2) the eligible person agrees to pay NEMMCO a certain amount for the right referred to in clause 3.18.1(b)(1).

(c) For the purposes of this rule 3.18:

(1) all the regulated interconnectors between any 2 adjacent regions are deemed to constitute a single interconnector; and
(2) the deemed interconnector referred to in clause 3.18.1(c)(1) between any 2 adjacent regions consists of 2 directional interconnectors, one involving a transfer from region A to region B, and one involving a transfer from region B to region A.

(d) Subject to clause 3.18.4, NEMMCO must use the portion of the settlements residue allocated to a directional interconnector remaining after applying the relevant jurisdictional derogations under Chapter 9 (as determined by applying the principles referred to in clause 3.6.5) to make payments under SRD agreements in relation to that directional interconnector and to recover the auction expense fees.

(e) Where a person registered as a Trader is required to appoint an agent for the purposes of rule 2.5A(c)(2):

(1) the Trader must ensure that the agent is a party to the auction participation agreement and the SRD agreement between NEMMCO and the Trader; and

(2) NEMMCO and the Trader must ensure that the auction participation agreement and the SRD agreement referred to in subparagraph (1) provide that the Trader and the agent are jointly and severally liable in relation to the obligations of the Trader under those agreements.

3.18.2 Auctions and eligible persons

(a) NEMMCO may conduct auctions to determine which eligible persons will enter into SRD agreements with NEMMCO.

(b) NEMMCO may only enter into SRD agreements with persons (called "eligible persons") which satisfy the following criteria:

(1) the person is a Market Customer, a Generator or a Trader; and

(2) the person satisfies any criteria specified in the auction rules, which criteria must comply with clause 3.18.2(g).

(c) Auctions must be conducted in accordance with the auction rules.

(d) NEMMCO may, with the approval of the settlement residue committee, suspend, or remove a suspension, on conducting auctions for one or more directional interconnectors for a specified period if NEMMCO believes it is not practicable to conduct those auctions or those auctions are unlikely to lead to the entry into of SRD agreements in relation to all of the settlements residues being auctioned.

(e) NEMMCO may, after complying with the Rules consultation procedures, cease conducting auctions.

(f) If NEMMCO takes any action under clause 3.18.2(d) or (e), then it must post a notice on its website specifying the action taken as soon as practicable after taking it.
(g) Any criteria specified in the *auction rules* concerning persons with whom *NEMMCO* may enter into *SRD agreements* must not exclude any persons other than those specified in subparagraphs (1) – (6) below and must exclude the persons specified in subparagraphs (1), (2), (5) and (6) below:

(1) persons who have not entered into an *auction participation agreement*;

(2) *Transmission Network Service Providers*;

(3) [Deleted]

(4) persons:

   (i) who have defaulted on payment obligations under an *auction participation agreement* or a *SRD agreement*; or

   (ii) in relation to whom a default event has occurred;

(5) any person who *NEMMCO* considers is acting on behalf of or in concert with a person described in clauses 3.18.2(g)(1)-(2);

(5a) any person who *NEMMCO* considers is acting on behalf of or in concert with a person described in clause 3.18.2(g)(4); or

(6) any person who would be a “retail client” as defined in section 761G (7) of the Corporations Act 2001 (Cth), if they entered into an *SRD agreement* with *NEMMCO*.

(h) [Deleted]

### 3.18.3 Auction rules

(a) *NEMMCO* must develop rules (called "*auction rules*") which set out:

(1) additional criteria which a person must satisfy to be an *eligible person* (which must include, without limitation, criteria requiring the person to enter into an *auction participation agreement* with *NEMMCO* in a form satisfactory to *NEMMCO*);

(2) the procedures for conducting *auctions* and the timing of *auctions*;

(3) the mechanism for calculating the *auction* clearing price in respect of each *directional interconnector* for each *auction*;

(4) the mechanism for calculating *auction expense fees*;

(5) the procedures and timetable for billing and settling *auction amounts*; and

(6) the standard form of any *auction participation agreement* referred to in clause 3.18.3(a)(1).

(b) In developing and amending the *auction rules*, *NEMMCO* must give effect to the following principles:
(1) [Deleted]

(2) to the extent reasonably practicable, an auction must be structured in a way that maximises the value of the relevant settlements residue;

(3) the price for each unit of the settlements residue in respect of a directional interconnector will be the same for all SRD agreements resulting from the same auction and will be equal to the auction clearing price in respect of the directional interconnector for the auction; and

(4) enhancing competition and efficiency by promoting interstate trade in electricity.

(c) NEMMCO must make the auction rules available to Registered Participants and to any other person who requests a copy.

(d) NEMMCO may amend the auction rules at any time with the approval of the settlement residue committee.

(e) Subject to clause 3.18.3(f), in developing and amending the auction rules, NEMMCO must comply with the Rules consultation procedures.

(f) NEMMCO need not, provided it has consulted to the extent practicable in the circumstances, comply with the Rules consultation procedures in relation to a proposed amendment to the auction rules if:

(1) the amendment has the support of at least three-quarters of the members of the settlement residue committee; and

(2) NEMMCO considers the amendment is urgent.

### 3.18.4 Proceeds and fees

(a) NEMMCO must distribute:

(1) subject to clause 3.6.5(a)(4A) and (4B), proceeds from each auction in respect of a directional interconnector; and

(2) subject to clauses 3.18.4(b) and (c), any portion of the settlements residue allocated to the directional interconnector which is not the subject of a SRD agreement,

...to the appropriate Network Service Providers in accordance with the principles referred to in clause 3.6.5 in relation to the allocation and distribution of settlements residue attributable to regulated interconnectors.

(b) The costs and expenses incurred by NEMMCO in establishing and administering the arrangements contemplated by this rule 3.18, in conducting auctions under this rule 3.18 and in entering into and administering auction participation agreements and SRD agreements under this rule 3.18 will be recovered from settlements residue by way of auction expense fees.
(c) The auction expense fees are to be developed by NEMMCO in accordance with the auction rules and approved by the settlement residue committee, and recovered as follows:

1. to the extent the settlements residue is distributed to eligible persons under clause 3.18.1(d), in accordance with the auction rules; and

2. to the extent the settlements residue is distributed to Network Service Providers under clause 3.18.4(a)(2), as if the settlements residue was being distributed to eligible persons in accordance with the auction rules.

(d) The auction expense fees for an auction are to be published before the auction.

(e) Eligible persons and NEMMCO must pay auction amounts in accordance with the auction rules, and, for the avoidance of doubt, amounts payable by eligible persons to NEMMCO under SRD agreements will not be regarded as amounts payable under the Rules for the purposes of rule 3.15.

(f) NEMMCO may nominate an electronic funds transfer facility for the purposes of paying auction amounts and, if it does so, eligible persons, Network Service Providers and NEMMCO must use that facility for paying and receiving auction amounts.

3.18.5 Settlement residue committee

(a) NEMMCO must establish a settlement residue committee.

(b) The functions of the settlement residue committee are to:

1. approve any suspension, or removal of a suspension, imposed by NEMMCO on the conducting of auctions;

2. approve proposed amendments to the auction rules developed by NEMMCO;

3. monitor, review and report on the auctions conducted by NEMMCO under this rule 3.18; and

4. approve the costs and expenses incurred by NEMMCO in conducting auctions under this rule 3.18 and in entering into and administrating auction participation agreements and SRD agreements under this rule 3.18.

(c) The settlement residue committee is to consist of:

1. an employee of NEMMCO appointed by NEMMCO, who will act as chairman of the committee;

2. a person representing Generators;

3. a person representing Market Customers;

4. a person representing Transmission Network Service Providers;
(5) a person representing Traders;

(6) a person appointed jointly by the relevant Ministers of the participating jurisdictions; and

(7) a person appointed by the AEMC to represent end use customers of electricity.

(d) NEMMCO may remove the person referred to in clause 3.18.5(c)(1) at any time for any reason.

(e) The persons referred to in clauses 3.18.5(c)(2), (3), (4) and (5) must be appointed and removed by NEMMCO after consultation with the class of Registered Participants the person is to represent, and NEMMCO must:

(1) appoint a person agreed to by at least one third in number of the relevant class of Registered Participants; and

(2) commence consultation on the removal of such a person if requested to do so by a member of the relevant class of Registered participants, and must remove that person if so agreed by at least one third in number of the relevant class of Registered Participants.

(f) The Ministers of the participating jurisdictions acting jointly may remove the person referred to in clause 3.18.5(c)(6) at any time for any reason.

(g) The AEMC may remove the person referred to in clause 3.18.5(c)(7) at any time for any reason.

(h) A person holds office as a member of the settlement residue committee until that person:

(1) resigns from office;

(2) if the person is the person referred to in clause 3.18.5(c)(1), is removed from office by NEMMCO in accordance with clause 3.18.5(d);

(3) if the person is a person referred to in clauses 3.18.5(c)(2), (3), (4) or (5), is removed from office by NEMMCO in accordance with clause 3.18.5(e)(2);

(4) if the person is the person referred to in clause 3.18.5(c)(6), is removed from office by the Ministers of the participating jurisdictions in accordance with clause 3.18.5(f); or

(5) if the person is the person referred to in clause 3.18.5(c)(7), is removed from office by the AEMC in accordance with clause 3.18.5(g), and such a person is eligible for re-appointment.

(i) A person may resign as a member of the settlement residue committee by giving notice in writing to that effect to NEMMCO.
3.19 Market Management Systems Access Procedures

(a) NEMMCO may develop and publish Market Management Systems Access Procedures in consultation with Registered Participants in accordance with the Rules consultation procedures, which procedures will govern how Registered Participants and Metering Providers can use the market management systems.

(b) NEMMCO may amend the Market Management Systems Access Procedures from time to time in consultation with Registered Participants in accordance with the Rules consultation procedures, and any such amendments must be published by NEMMCO.

(c) NEMMCO and all Registered Participants and Metering Providers must comply with the Market Management Systems Access Procedures.

(d) A Registered Participant which complies with the Market Management Systems Access Procedures and promptly pays all relevant Participant fees as and when they fall due has a right to be connected to the market management systems.

(e) If a Registered Participant fails to comply with the Market Management Systems Access Procedures, NEMMCO must:

(1) notify that Registered Participant describing the nature of the breach; and

(2) at a time following notification of the breach by NEMMCO under clause 3.19(e)(1) determined by NEMMCO having regard to a balancing of the need to provide a Registered Participant with the opportunity to remedy the breach and the nature of the breach, notify the AER that the Registered Participant has breached the Market Management Systems Access Procedures.

3.20 Reliability and Emergency Reserve Trader

3.20.1 Expiry of reserve and emergency reliability trader
This rule 3.20 expires on the earlier of:

(a) 30 June 2012; or

(b) a date determined by the AEMC on the advice of the Reliability Panel in accordance with clause 3.20.9.

3.20.2 Reliability and emergency reserve trader
(a) NEMMCO must take all reasonable actions to ensure reliability of supply by negotiating and entering into contracts to secure the availability of reserves under reserve contracts (‘reliability and emergency reserve trader’ or ‘RERT’) in accordance with:

(1) this rule 3.20;
(2) where relevant:

(i) clauses 1.11, 3.8.1, 3.8.14, 3.9.3, 3.12, 3.12A.5, 3.15.6, 3.15.9, 4.8.5A and 4.8.5B; and

(ii) any other provision of the Rules necessary to exercise the RERT;

(3) the RERT principles; and

(4) the RERT guidelines.

(b) NEMMCO must have regard to the following principles (‘RERT principles’) in exercising the RERT under paragraph (a):

(1) actions taken should be those which NEMMCO reasonably expects, acting reasonably, to have the least distortionary effect on the operation of the market; and

(2) actions taken should aim to maximise the effectiveness of reserve contracts at the least cost to end use consumers of electricity.

(c) In having regard to the RERT principles, NEMMCO must have regard where relevant to the RERT guidelines.

### 3.20.3 Reserve contracts

(a) NEMMCO may enter into one or more contracts with any person in relation to the capacity of:

(1) scheduled generating units, scheduled network services or scheduled loads (being scheduled reserve contracts); and

(2) unscheduled reserves (being unscheduled reserve contracts).

(b) NEMMCO may determine to enter into reserve contracts to ensure that the reliability of supply in a region or regions meets the relevant power system security and reliability standards established by the Reliability Panel for the region.

(c) NEMMCO must consult with persons nominated by the relevant participating jurisdictions in relation to any determination to enter into contracts under paragraph (b).

(d) NEMMCO must not enter into, or renegotiate, a reserve contract more than nine months prior to the date that NEMMCO reasonably expects that the reserve under that contract may be required to ensure reliability of supply.

(e) Subject to paragraph (d), NEMMCO may:

(1) enter into reserve contracts; or

(2) renegotiate existing reserve contracts,
in addition to the contracts already entered into by NEMMCO under this rule 3.20.

(f) In entering into reserve contracts under paragraph (b) NEMMCO must agree with the relevant nominated persons referred to in paragraph (c) cost-sharing arrangements between the regions for the purpose of clause 3.15.9.

(g) If, at any time NEMMCO determines that it is necessary to commence contract negotiations for the provision of additional reserves, NEMMCO must publish a notice of its intention to do so.

(h) When contracting for the provision of scheduled reserves under scheduled reserve contracts, NEMMCO must not enter contracts in relation to capacity of generating units, scheduled network services or scheduled loads for which dispatch offers or dispatch bids have been submitted or are considered by NEMMCO to be likely to be submitted or be otherwise available for dispatch in the trading intervals to which the contract relates.

Terms and conditions of a contract

(i) If NEMMCO seeks to enter into a reserve contract with a Registered Participant then the Registered Participant must negotiate with NEMMCO in good faith as to the terms and conditions of the contract.

(j) NEMMCO may only enter into a reserve contract if the contract contains a provision that the other party to the contract has not and will not otherwise offer the reserve the subject of the contract in the market for the trading intervals to which the contract with NEMMCO relates except in accordance with the contract.

3.20.4 Dispatch pricing methodology for unscheduled reserve contracts

(a) Subject to paragraph (c), NEMMCO must develop in accordance with the Rules consultation procedures and publish details of the methodology it will use to request that generating units or loads under unscheduled reserve contracts be activated.

(b) NEMMCO may develop and publish the methodology developed in accordance with this clause 3.20.4 as part of the methodology NEMMCO is required to develop under clause 3.9.3(e).

(c) NEMMCO may make minor and administrative amendments to the methodology developed in accordance with this clause 3.20.4 without complying with the Rules consultation procedures.

3.20.5 NEMMCO’s risk management and accounts relating to the reliability safety net

(a) NEMMCO may enter into insurance arrangements with an insurance provider with a view to minimising potential financial losses in respect of NEMMCO’s RERT activities described in this rule 3.20.
(b) NEMMCO must ensure that it maintains in its books separate accounts relating to the RERT functions and powers granted to NEMMCO under this rule 3.20.

### 3.20.6 Reporting on RERT by NEMMCO

(a) If a scheduled generating unit, scheduled network service or scheduled load under a scheduled reserve contract with NEMMCO is dispatched or generating units or loads are activated under an unscheduled reserve contract, then NEMMCO must, as soon as practicable thereafter, publish a report detailing:

1. the circumstances giving rise to the need for the dispatch of scheduled reserves or activation of unscheduled reserves;
2. the basis on which it determined the latest time for that dispatch of scheduled reserves or activation of unscheduled reserves and on what basis it determined that a market response would not have avoided the need for the dispatch of scheduled reserves or the activation of unscheduled reserves;
3. the changes in dispatch outcomes due to the dispatch of scheduled reserves or activation of unscheduled reserves; and
4. the processes implemented by NEMMCO to dispatch the scheduled reserves or activate the unscheduled reserves,

and if applicable:

5. reasons why NEMMCO did not follow any or all of the processes set out in rule 4.8 either in whole or in part prior to the dispatch of scheduled reserves or the activation of unscheduled reserves; and
6. the basis upon which NEMMCO considered it impractical to set spot prices and ancillary service prices in accordance with clause 3.9.3(b).

(b) As soon as reasonably practicable after NEMMCO has, in accordance with clause 3.15.9, included the amounts arising under a reserve contract in a final statement provided under clause 3.15.15, NEMMCO must publish details of:

1. the payments under the reserve contract for the relevant billing periods; and
2. a breakdown of the recovery of those costs by each category of Market Customer, as determined by NEMMCO, in each region.

(c) Within 30 days of the end of each financial year in which NEMMCO has exercised the RERT, NEMMCO must publish a report detailing:

1. each occasion during the financial year on which it intervened to secure the availability of reserves;
2. each occasion during the financial year when a scheduled generating unit, scheduled network service or scheduled load under a scheduled reserve contract with NEMMCO was dispatched or generating units or loads were activated under an unscheduled reserve contract, and the circumstances giving rise to the need for the dispatch of scheduled reserves or activation of unscheduled reserves, the basis on which NEMMCO determined the latest time for that dispatch of scheduled reserves or activation of unscheduled reserves, the changes in dispatch outcomes due to the dispatch of scheduled reserves or activation of unscheduled reserves, and the processes implemented by NEMMCO to dispatch the scheduled reserves or activate the unscheduled reserves, and if applicable, reasons why NEMMCO did not follow any or all of the processes set out in rule 4.8 either in whole or in part prior to the dispatch of scheduled reserves or the activation of unscheduled reserves; and
3. the basis upon which NEMMCO considered it impractical to set spot prices and ancillary service prices in accordance with clause 3.9.3(b).
reserve contract was dispatched or generating units or loads under an unscheduled reserve contract were activated; and

(3) its costs and finances in connection with its RERT activities during the financial year according to appropriate accounting standards including profit and loss, balance sheet, sources and applications of funds.

### 3.20.7 NEMMCO's exercise of the RERT

(a) Notwithstanding clauses 4.8.5A and 4.8.5B, if NEMMCO considers the latest time for exercising the RERT by:

(1) the dispatch of scheduled reserves it has available under scheduled reserve contracts; or

(2) the activation of unscheduled reserves it has available under unscheduled reserve contracts,

has arrived, NEMMCO may dispatch such scheduled reserves or activate such unscheduled reserves.

(b) NEMMCO must follow the relevant procedures in this rule 3.20 prior to dispatching a scheduled generating unit, scheduled network service or scheduled load the subject of a scheduled reserve contract or activating generating units or loads the subject of an unscheduled reserve contract unless it is not reasonably practicable to do so.

(c) Subject to paragraph (b), NEMMCO must only dispatch a scheduled generating unit, a scheduled network service or a scheduled load the subject of a scheduled reserve contract or activate generating units or loads the subject of an unscheduled reserve contract in accordance with the procedures developed pursuant to paragraph (e).

(d) In order to effect the dispatch of a scheduled generating unit, scheduled network service or scheduled load the subject of a scheduled reserve contract or the activation of generating units or loads the subject of an unscheduled reserve contract NEMMCO may:

(1) submit, update or vary dispatch bids or dispatch offers in relation to all or part of such a scheduled generating unit, scheduled network service or scheduled load which is the subject of a scheduled reserve contract; or

(2) change other inputs to the dispatch process to give effect to the dispatch of scheduled generating units, scheduled network services or scheduled loads the subject of a scheduled revenue contract or the activation of generating units or loads the subject of an unscheduled reserve contract.

(e) NEMMCO must develop, publish, and may amend from time to time, in accordance with the Rules consultation procedures, procedures for the exercise of the RERT under this rule 3.20 that take into account the RERT principles and RERT guidelines. These procedures must include measures to be adopted in order to reduce the possibility that generating units or loads likely to be
activated under unscheduled reserve contracts are otherwise engaged at the time the unscheduled reserve contracts are entered into by NEMMCO.

(f) When exercising the RERT under this rule 3.20, NEMMCO must take into account the RERT guidelines.

(g) NEMMCO must publish the first procedures referred to in paragraph (e) by 30 June 2009.

### 3.20.8 RERT Guidelines

(a) For the purposes of this rule 3.20, the Reliability Panel must develop and publish guidelines (the 'RERT guidelines') for or with respect to:

1. what information NEMMCO must take into account when deciding whether to exercise the RERT;
2. the relevance of the RERT principles to the exercise of the RERT;
3. the actions that NEMMCO may take to be satisfied that the reserve that is to be the subject of a reserve contract is not available to the market through any other arrangement;
4. the process NEMMCO should undertake in contracting for reserves including the process for tendering for contracts for such reserves;
5. any specific or additional assumptions about key parameters that NEMMCO must take into account in assessing the cost effectiveness of exercising the RERT;
6. matters relevant to NEMMCO managing a portfolio of reserve contracts; and
7. additional forecasts that NEMMCO should take into account prior to exercising the RERT.

(b) The Reliability Panel must develop, publish and amend from time to time, the RERT guidelines in accordance with clauses 8.8.3(d) – (I).

(c) The Reliability Panel must publish the first RERT guidelines by 30 November 2008 and there must be such guidelines in place at all times after that date.

### 3.20.9 Review of reserve and emergency reliability trader

(a) The Reliability Panel must, no later than one year prior to the date the RERT is due to expire under clause 3.20.1, complete a review of the RERT ('RERT review') to determine:

1. whether the RERT should expire on the date specified in clause 3.20.1(a); or
(2) whether the RERT should expire prior to the date referred to in subparagraph (1) and, if so, that date;

(b) The Reliability Panel must conduct the RERT review in accordance with clauses 8.8.3(d) – (l).

(c) The Reliability Panel may conduct the review referred to in paragraph (a) as part of the review conducted by the Reliability Panel under clause 8.8.3(b).

(d) On receipt of the written report from the RERT review in accordance with clause 8.8.3(j), the AEMC may, taking into account the report, make a determination that the RERT is to expire and specify the date of expiry.

(e) The AEMC must publish the determination referred to in paragraph (d).
Schedule 3.1 - Registered Bid and Offer Data

(a) The registered bid and offer data are the standard data requirements for verification and compilation of dispatch bids and dispatch offers on the trading day schedule.

(b) Scheduled Generators, Semi-Scheduled Generators and Market Participants must notify NEMMCO of their registered bid and offer data in accordance with this schedule 3.1 in respect of each of their scheduled loads, semi-scheduled generating units and scheduled generating units at least six weeks prior to commencing participation in the market.

(c) Scheduled Generators, Semi-Scheduled Generators and Market Participants must review their registered bid and offer data annually in accordance with the timetable advised by NEMMCO and provide details of any changes to NEMMCO.

(d) Registered bid and offer data may be updated by a Scheduled Generator, Semi-Scheduled Generator or Market Participant at any time but may be subject to audit at NEMMCO’s request.

(e) A copy of all changes to the data must be returned to each Scheduled Generator, Semi-Scheduled Generator and Market Participant for verification and resubmission by the Scheduled Generator, Semi-Scheduled Generator or Market Participant as necessary.

(f) Registered bid and offer data may include tolerance levels.

Scheduled Generating Unit Data:

<table>
<thead>
<tr>
<th>Data</th>
<th>Units of Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Power station information:</strong></td>
<td></td>
</tr>
<tr>
<td>node number/identifier</td>
<td></td>
</tr>
<tr>
<td>total station registered capacity</td>
<td>MW</td>
</tr>
<tr>
<td>total station sent out generation at registered capacity</td>
<td>MW</td>
</tr>
<tr>
<td>daily energy constraint, if applicable</td>
<td>MWh per day</td>
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<tr>
<td><strong>Generating unit information:</strong></td>
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<tr>
<td>full load</td>
<td>MW (generated and sent out)</td>
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<tr>
<td>normal or technical minimum load</td>
<td>MW (generated and sent out)</td>
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<td>additional emergency generation above</td>
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<tr>
<td>registered capacity</td>
<td>MW</td>
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<td>normal and maximum ramp rates</td>
<td>MW/minute</td>
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response time to full load from cold standby | minutes
aggregation data |
capability chart |
otice to synchronise | minutes
minimum shutdown time | minutes
maximum shutdowns per day |

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<td><strong>Data</strong></td>
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<td>Power station information:</td>
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ode number/identifier | |
total registered capacity | MW |
Generating unit information |
capacity | MW |
normal and maximum ramp rate | MW/minute |
aggregation data |

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<td><strong>Data</strong></td>
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<tr>
<td>node number/identifier</td>
</tr>
</tbody>
</table>
normally on or normally off |
maximum load | MW |
daily energy constraint, if applicable | MWh per day |
normal and maximum ramp rates | MW/minute |
aggregation data |

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<td><strong>Data</strong></td>
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<tr>
<td>node number/identifier for connection points A and B</td>
</tr>
</tbody>
</table>
registered power transfer capability to node 1 (may be seasonal etc) | MW |
registered power transfer capability to node 2 (may be seasonal etc) | MW |
additional transient power transfer capability in each direction | MW |
normal and maximum transfer ramp rates (if applicable)  
MW/minute

loss vs flow as piecewise linear relationships for each direction which, taken together, are convex over the entire range of power transfer capabilities in both directions

aggregation data

Dispatch Inflexibility Profile:

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<thead>
<tr>
<th>Data</th>
<th>Units of Measurement</th>
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<tbody>
<tr>
<td>time for response from receipt of dispatch instruction from zero load, T1 (see clause 3.8.19(e)(1))</td>
<td>minutes</td>
</tr>
<tr>
<td>time after T1 required to reach minimum loading level, T2 (see clause 3.8.19(e)(2))</td>
<td>minutes</td>
</tr>
<tr>
<td>time after T2 for which plant must operate at or above the minimum loading level, T3 (see clause 3.8.19(e)(3))</td>
<td>minutes</td>
</tr>
<tr>
<td>time required by plant to reduce from its minimum loading level to zero, T4 (see clause 3.8.19(e)(4))</td>
<td>minutes</td>
</tr>
<tr>
<td>minimum loading level (see clauses 3.8.19(e)(2), (3), (4))</td>
<td>MW</td>
</tr>
</tbody>
</table>

Aggregation Data:

Where dispatch bids or dispatch offers are submitted for aggregated generating units, market network services or loads then, unless otherwise exempted by NEMMCO, each Scheduled Generator, Semi-Scheduled Generator and Market Participant must provide the information required in accordance with this schedule 3.1 for each generating unit, market network service or load included in those dispatch bids or dispatch offers both separately and in aggregated form.

Semi-scheduled generating units which together are taken to be one semi-scheduled generating unit under clause 2.2.7(k) must provide the information required in accordance with this schedule 3.1 for each generating unit both separately and in aggregate.

Schedule 3.2 - [Deleted]

Schedule 3.3 - Principles for Determination of Maximum Credit Limits & Prudential Margins

This schedule sets out the principles to be followed by NEMMCO in determining the maximum credit limit and prudential margin for a Market Participant.
S3.3.1 Principles for determining maximum credit limits

(a) The maximum credit limit should be set on the principle of imposing a guarantee of payment being made to NEMMCO to a level of a reasonable worst case.

(b) When calculating the maximum credit limit NEMMCO should have regard to:

(1) impartial objectivity rather than subjectivity, though it is recognised that some key parameters will need to be subjectively estimated from a limited amount of data - the estimation should be as impartial as possible;

(2) the average level and volatility of the regional reference price for the region for which the maximum credit limit is being calculated, measured over a period of time comparable to the frequency of breaches of the maximum credit limit;

(3) the pattern of the quantity of electricity recorded in the metering data for the Market Participant;

(4) the quantity and pattern of the prospective reallocation in the immediate future;

(5) the correlation between the metered amounts of electricity and the regional reference price;

(6) the length of the credit period, which is the number of days from the start of a billing period to the end of the reaction period taking into account:

(i) the length of the billing period;

(ii) the typical time from the end of the billing period to the day on which settlement for that billing period is due to be paid (the payment period);

(iii) any current written request from the Market Participant to NEMMCO for the maximum credit limit to be determined on a payment period taken, for the purposes of clause 3.3.8 and not otherwise, to be 14 days; and

(iv) the time from a default event to the suspension or other removal of the defaulting Market Participant from the market, being a period of up to 7 days (the reaction period);

(7) the statistical distribution of accrued amounts that may be owed to NEMMCO; and

(8) the degree of confidence that the maximum credit limit will be large enough to meet large defaults (i.e. the degree of reasonableness in a reasonable worst case).

(c) As far as practicable, this schedule 3.3 must be read and construed as taking into account market ancillary service transactions for the calculation of the maximum credit limit for the relevant Market Participant.
S3.3.2 Principles for determining prudential margins

The value of the prudential margin for a Market Participant is set on the same principles as the maximum credit limit except that:

(1) if the aggregate of all trading amounts for the Market Participant is a positive amount the quantity and pattern of those trading amounts are not taken into account when determining the prudential margin;

(2) if the aggregate of all reallocation amounts for the Market Participant is a positive amount the quantity and pattern of those reallocation amounts are not taken into account when determining the prudential margin; and

(3) the prudential margin is calculated in respect of the reaction period.
11. Savings and Transitional Rules

Part A Negative Inter-Regional Settlements Residue (2006 amendments)

11.1 Rules consequent on making of the National Electricity Amendment (Negative Inter-Regional Settlements Residue) Rule 2006

11.1.1 Recovery of accrued negative settlements residue

(a) Clause 3.6.5(a)(4), as in force immediately before 1 July 2006 which is the date the National Electricity Amendment (Negative Inter-Regional Settlements Residue) Rule 2006 commences operation, continues to apply to any negative settlements residue amounts arising before 1 July 2005 and not recovered as at 1 July 2005 until all such negative amounts have been recovered.

(b) Where negative settlements residue amounts arise on or after 1 July 2005 and are not recovered before 1 July 2006 which is the date the National Electricity Amendment (Negative Inter-Regional Settlements Residue) Rule 2006 commences operation, then:

(i) the whole or any part of the amount may be recovered from the proceeds of the first auction after 1 July 2006 which is the date the National Electricity Amendment (Negative Inter-Regional Settlements Residue) Rule 2006 commences operation; and

(ii) if the whole or a part of the amount is not recoverable under clause 11.1.1(b)(i), the unrecovered amount may be recovered from the proceeds of successive auctions until the negative amount is recovered.

(c) Clause 3.6.5(a)(4A), as in force immediately before 30 June 2009, continues to apply to any negative settlements residue amounts arising on or after 1 July 2006 but before 30 June 2009, and not recovered as at 30 June 2009, until all such negative amounts have been recovered.

11.1.2 Recovery of interest costs associated with accrued negative settlements residue

(a) Where interest costs incurred by NEMMCO in relation to any unrecovered negative settlements residue amounts referred to in clause 3.6.5(a)(4A) arise on or after 1 July 2005 and are not recovered before 1 July 2006 which is the date the National Electricity Amendment (Negative Inter-Regional Settlements Residue) Rule 2006 commences operation, then:
(i) the whole or any part of the interest costs may be recovered from the proceeds of the first auction after 1 July 2006 which is the date the National Electricity Amendment (Negative Inter-Regional Settlements Residue) Rule 2006 commences operation; and

(ii) if the whole or a part of the interest costs are not recoverable under clause 11.1.2(b)(i), the unrecovered interest costs may be recovered from the proceeds of successive auctions until the interest costs are recovered.

(b) Clause 3.6.5(a)(4B), as in force immediately before 30 June 2009, continues to apply to any interest costs arising on or after 1 July 2006 but before 30 June 2009, and not recovered as at 30 June 2009, until all such interest costs have been recovered.

Part B System Restart Ancillary Services (2006 amendments)

11.2 Rules consequent on making of the National Electricity Amendment (System Restart Ancillary Services and pricing under market suspension) Rule 2006 No.6

11.2.1 Transitional provision for acquisition of non-market ancillary services

(a) For the purposes of clause 11.2.1:

Amending Rule means the National Electricity Amendment (System Restart Ancillary Services and pricing under market suspension) Rule 2006.

Existing NMAS contract means an ancillary services agreement between NEMMCO and another person to acquire non-market ancillary services from that person, entered into prior to the NMAS commencement date.

NMAS commencement date means the date of commencement of the National Electricity Amendment (System Restart Ancillary Services and pricing under market suspension) Rule 2006;

(b) On the NMAS commencement date

(1) Any action taken by NEMMCO or a Rules body prior to the NMAS commencement date in anticipation of the commencement of the Amending Rule is deemed to have been taken for the purpose of the Amending Rule and continues to have effect for that purpose.

(2) NEMMCO may continue to acquire non-market ancillary services under an existing NMAS contract and may extend the period of an
existing NMAS contract for such period as NEMMCO and that person reasonably determine.

(3) At any time when no system restart standard under clause 8.8.3(a)(1a) is in force, NEMMCO must develop and publish an interim system restart standard that is:

(i) consistent with the requirements in clause 8.8.3(a); and

(ii) approved by the Reliability Panel;

and the interim system restart standard applies until such time as the Reliability Panel determines a system restart standard.

11.3 [Deleted]

Part C Dispute Resolution for Regulatory Test (2006 amendments)

11.4 Rules consequent on making of the National Electricity Amendment (Dispute Resolution for Regulatory Test) Rule 2006

11.4.1 Continuation of things done under old clause 5.6.6

(a) For the purposes of clause 11.4.1:

amending Rule means the National Electricity Amendment (Dispute Resolution for Regulatory Test) Rule 2006

commencement date means the date of commencement of the amending Rule

new clause 5.6.6 means clause 5.6.6 after the commencement of the amending Rule

old clause 5.6.6 means clause 5.6.6 before the commencement of the amending Rule.

(b) On the commencement date:

(1) any dispute commenced under the old clause 5.6.6 and not completed before the commencement date, must continue to be conducted and completed as if it were a dispute commenced in accordance with the old clause 5.6.6.

(2) Subject to clause 11.4.1(b)(1), any action taken under the old clause 5.6.6 is deemed to have been taken for the purposes of the corresponding requirement in the new clause 5.6.6 and continues to have effect for those purposes.
Part D Metrology (2006 amendments)

11.5 Rules consequential on the making of the National Electricity Amendment (Metrology) Rule 2006

11.5.1 Definitions

For the purposes of this rule 11.5:

Amending Rule means the National Electricity Amendment (Metrology) Rule 2006.

commencement date means the day on which the Amending Rule commences operation.

old Chapter 7 means Chapter 7 of the Rules as in force immediately before the commencement date.

new Chapter 7 means Chapter 7 of the Rules as in force immediately after the commencement date.

11.5.2 Metrology procedures continues to apply until 31 December 2006

A metrology procedure as in force under the old Chapter 7 continues in force in accordance with the old Chapter 7 until 31 December 2006.

11.5.3 Responsible person

A Local Network Service Provider who is the responsible person for a metering installation under Chapter 9 of the Rules immediately before the commencement date continues to be the responsible person for that metering installation for the purposes of clause 7.2.3.

11.5.4 NEMMCO's responsibility to develop a metrology procedure

(a) Subject to this clause 11.5.4, NEMMCO must publish an initial metrology procedure by 1 January 2007 in accordance with the new Chapter 7 and this procedure must commence operation on 1 January 2007.

(b) The requirement in clause 7.14.1(b) that requires a minimum period of 3 months between the date the metrology procedure is published and the date the metrology procedure commences does not apply to the initial metrology procedure developed and published under this clause 11.5.4.

(c) Any action taken by NEMMCO for the purpose of developing and publishing an initial metrology procedure prior to the commencement date is taken to satisfy the equivalent actions required for a metrology procedure under the new Chapter 7.
(d) *NEMMCO* may dispense with, or not comply with, any relevant action under rule 7.14, if the action duplicates or is consistent with action that has already been taken under paragraph (c).

(e) An initial metrology procedure developed and published under this clause 11.5.4 is taken to be the *metrology procedure* for the purposes of Chapter 7 of the *Rules*.

(f) The initial metrology procedure is not required to incorporate the matters referred to in clause 7.14.1(c)(4) until 30 June 2008 and *NEMMCO* may develop a separate procedure for those matters during that period to 30 June 2008.

### 11.5.5 Jurisdictional metrology material in the metrology procedure

(a) For the purposes of this clause 11.5.5, **expiry date** means 1 January 2009.

(b) Until the expiry date, the *Ministers of the MCE* is taken to be each *Minister of the participating jurisdictions*, acting on behalf of that jurisdiction and undertaking the role of the *Ministers of the MCE* in relation to **jurisdictional metrology material** under clause 7.14.2.

(c) For the avoidance of doubt, a *Minister of a participating jurisdiction* may delegate the role of submitting **jurisdictional metrology material** to *NEMMCO* under paragraph (b) by instrument in writing.

(d) A certified copy of any delegation given under paragraph (c) must be provided to *NEMMCO* at the time any **jurisdictional metrology material** is submitted to *NEMMCO* under clause 7.14.2.

[Note: Ministers of participating jurisdiction have powers of delegation under their own jurisdictional legislation governing the procedure for conferring such delegations.]

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**Part E Economic Regulation of Transmission Services (2006 amendments)**

### 11.6 Rules consequent on making of the National Electricity Amendment (Economic Regulation of Transmission Services) Rule 2006

#### 11.6.1 Definitions

Subject to this rule 11.6, in this rule 11.6:

**Amending Rule 2006** means the National Electricity Amendment (Economic Regulation of Transmission Services) Rule 2006.
**commencement date** means the date on which the *Amending Rule* 2006 commences operation.

**current regulatory control period** means the regulatory control period applicable to an existing revenue determination.

**distribution matters** includes matters relating to the economic regulation of *distribution services*, including, but not limited to, existing determinations, decisions, instruments, agreements or any other relevant action.

**ElectraNet** means ElectraNet Pty Ltd ACN 094 482 416 trading as ElectraNet.

**existing revenue determination** means any determination made, or deemed to be made, by the *ACCC* or the *AER* on or prior to the commencement date for the purpose of regulating the revenues of a *Transmission Network Service Provider*.

**first regulatory control period** means a *regulatory control period* immediately after a current regulatory control period.

**first revenue cap determination** means the first *revenue cap determination* after an existing revenue cap determination.

**new Chapter 6A** means Chapter 6A of the *Rules* as in force immediately after the commencement of the *Amending Rule* 2006.

**old Chapter 6** means Chapter 6 of the *Rules* as in force immediately before the commencement of the *Amending Rule* 2006.

**old clause 6.5.9** means clause 6.5.9 of the *Rules* as in force immediately before the commencement of the *Amending Rule* 2006.

**old Part C** means Part C (Transmission Pricing) of Chapter 6 of the *Rules* as in force immediately before the commencement of the *Amending Rule* 2006.

**old Part F** means Part F (Interconnections) of Chapter 6 of the *Rules* as in force immediately before the commencement of the *Amending Rule* 2006.

**relevant action** includes (without limitation) any of the following actions in relation to *distribution* matters:

(a) the performance or exercise of any function, power, obligation or right;

(b) the making or publishing of any guideline, standard, procedure, report, negotiating framework or other document;

(c) the giving, publishing, service or receipt of any communication, notice or other document;

(d) the provision or receipt of any submission or information;
(e) the making or receiving any inquiry, request or application;

(f) the undertaking or completion of any transaction;

(g) the payment of any monetary amount or fee.

**renumbered Chapter 6** means Chapter 6 of the *Rules* as in force immediately after the commencement of the *Amending Rule 2006*.

**SP AusNet** means SPI PowerNet Pty Ltd ACN 079 798 173.

**Statement of Regulatory Principles** means the Statement of Principles published by the *AER* as part of the Compendium of Electricity Transmission Regulatory Guidelines dated August 2005.

**VENCorp** means the Victorian Energy Networks Corporation established under the Gas Industry Act 1994 (Vic) and continued under the Gas Industry Act 2001 (Vic).

### 11.6.2 New Chapter 6A does not affect existing revenue determinations

(a) Subject to this rule 11.6, the old Chapter 6 continues to apply to and in respect of, existing revenue determinations as if the new Chapter 6A had not been made.

(b) The *Amending Rule 2006* has no effect on the continuing operation of clause 9.8.4G.

(c) The *Amending Rule 2006* has no effect on the continuing operation of clause 9.16.5 in so far as it:

1. applies to deem a revenue cap for the *financial year* commencing on 1 July 2004;

2. specifies the basis on which prices for certain transmission services during the *financial year* commencing on 1 July 2004 are to be determined;

3. specifies the manner in which clause 6.4.3C of the old Chapter 6 is to apply for the *financial year* commencing on 1 July 2005; and

4. deems a revenue cap for the period commencing on 1 July 2004 until the end of 30 June 2009 to be for a period of five years.

### 11.6.3 Old Part C and Schedules 6.2, 6.3, 6.4, 6.7 and 6.8 of old Chapter 6

Subject to this rule 11.6 and rule 11.8, old Part C (including Schedules 6.2, 6.3, 6.4, 6.7 and 6.8) continues to apply for the duration of a current regulatory control period.
11.6.4 Old Part F of Chapter 6

Subject to this rule 11.6, old Part F of Chapter 6 continues to apply for the duration of a current regulatory control period.

11.6.5 Application of new Chapter 6A to Transmission Network Service Providers

Subject to this rule 11.6, a Transmission Network Service Provider is not required to submit a Revenue Proposal or a proposed negotiating framework to the AER under the new Chapter 6A until a date that is 13 months before the expiry of a current regulatory control period.

11.6.6 Application of Chapter 6 to old distribution matters

(a) The restructuring and renumbering of provisions of the old Chapter 6 by the Amending Rule 2006 does not affect:

(1) distribution matters occurring or in existence before the commencement date; or

(2) anything done or omitted to be done in respect of distribution matters before the commencement date.

(b) Without limiting paragraph (a), anything done or omitted to be done under a provision of the old Chapter 6 in respect of distribution matters before the commencement date is deemed to have been done or omitted to be done under the corresponding provision of that Chapter as restructured and renumbered by the Amending Rule 2006, as if that Rule had been in operation when the thing was done or omitted to be done.

11.6.7 References to the old Chapter 6

Unless the context otherwise requires, on and from the commencement date every reference to the old Chapter 6 in a document (however described) is deemed to be a reference to the renumbered Chapter 6 or the new Chapter 6A (as the case may be).

11.6.8 References to provisions of the old Chapter 6

Unless the context otherwise requires, on and from the commencement date every reference to a provision of the old Chapter 6 in a document (however described) is deemed to be a reference to the corresponding provision of the renumbered Chapter 6 or the corresponding provision (if any) of the new Chapter 6A (as the case may be).
11.6.9 Roll forward of regulatory asset base for first regulatory control period

In making a revenue determination for the first regulatory control period, the value of the regulatory asset base at the beginning of the first regulatory year of that period calculated in accordance with clause S6A.2.1(f), may be adjusted having regard to an existing revenue determination and any other arrangements agreed between the AER and the Transmission Network Service Provider.

11.6.10 Other adjustment carry-over mechanisms from current to first regulatory control period

The maximum allowed revenue that a Transmission Network Service Provider may earn in any regulatory year of the first regulatory control period may be adjusted for any carry-over mechanisms provided for in the relevant existing revenue determination and in any other arrangements agreed between the AER and the Transmission Network Service Provider for the purposes of, and in accordance with, the existing revenue determination.

11.6.11 Transition to new Chapter 6A: existing prescribed transmission services

(a) References to prescribed transmission services in the new Chapter 6A include a service provided by an asset used in connection with, or committed to be constructed for use in connection with, a transmission system as at 9 February 2006:

(1) to the extent that the value of the asset is included in the regulatory asset base for that transmission system under an existing revenue determination in force at that time; or

(2) if the price for that service has not been negotiated under a negotiating framework established pursuant to old clause 6.5.9,

and, but for this clause, that service would not otherwise be a prescribed transmission service.

(b) Where a service is a prescribed transmission service by virtue of the operation of this clause, that service is taken not to be a negotiated transmission service.

(c) For the purposes of this clause 11.6.11, an asset is, and is only, to be taken to be committed to be constructed if it satisfies the criteria which a project needs to satisfy to be a “committed project” for the purposes of the regulatory test.
11.6.12 Powerlink transitional provisions

Definitions

(a) In this clause 11.6.12:

contingent project means a project identified in the transitional revenue determination as a contingent project.

Powerlink means the Queensland Electricity Transmission Corporation Limited (ACN 078 849 233), trading as Powerlink Queensland.

transitional regulatory control period means the regulatory control period commencing on 1 July 2007 and ending on 30 June 2012.

transitional revenue determination means a final revenue determination by the AER for the Powerlink transmission network, in respect of the transitional regulatory control period.

trigger means the unique investment driver identified in the transitional revenue determination as a trigger for a contingent project.

Scope and application

(b) This clause 11.6.12:

(1) applies only in respect of the Powerlink transmission network and applies only until 30 June 2012; and

(2) prevails, to the extent of any inconsistency, over any other clause in the Rules.

Transitional revenue determination

(c) Except as provided in this clause 11.6.12, and despite any changes to the old Chapter 6:

(1) the old Chapter 6 continues to apply in respect of the AER setting the revenue cap for the transitional regulatory control period for the Powerlink transmission network; and

(2) in setting the revenue cap for the transitional regulatory control period, the AER must substantially adhere to the Statement of Regulatory Principles including the ex ante approach to setting the revenue cap set out in the statement.

(d) The AER must calculate the weighted average cost of capital for the transitional regulatory control period, in accordance with the values,
methodologies or benchmarks in the new Chapter 6A, in respect of the following items:

(1) the nominal risk free rate including the maturity period and source of the benchmark;

(2) the debt risk premium including the maturity period and source of the benchmark;

(3) the equity beta;

(4) the market risk premium; and

(5) the ratio of the market value of debt as a proportion of the market value of equity and debt.

(e) In calculating the WACC for the transitional regulatory control period, the AER must use an average gamma of 0.5.

Contingent projects

(f) Where the trigger event identified in respect of a contingent project occurs prior to 30 June 2012, the AER must, in accordance with the transitional revenue determination:

(1) determine:

(i) the amount of capital and incremental operating expenditure for that contingent project for each remaining regulatory year of the transitional regulatory control period, which the AER considers is reasonably required for the purpose of undertaking the contingent project;

(ii) the likely commencement and completion dates for the contingent project;

(iii) the incremental revenue which is likely to be earned by Powerlink in each remaining regulatory year of the transitional regulatory control period as a result of the contingent project being undertaken; and

(iv) the maximum allowed revenue for each regulatory year in the remainder of the transitional regulatory control period by adding the incremental revenue for that regulatory year; and

(2) calculate the estimate referred to in subparagraph (1)(iii):
(i) on the basis of the rate of return for Powerlink for the transitional regulatory control period in accordance with the transitional revenue determination; and

(ii) consistently with the manner in which depreciation is calculated under the transitional revenue determination; and

(3) amend the transitional revenue determination to apply for the remainder of the transitional regulatory control period in accordance with paragraph (g).

(g) The AER may only vary the transitional revenue determination to the extent necessary:

(1) to adjust the forecast capital expenditure for the transitional regulatory control period to accommodate the amount of additional capital expenditure determined under paragraph (f)(1)(i);

(2) to adjust the forecast operating expenditure for the current regulatory control period to accommodate the amount of additional operating expenditure determined under paragraph (f)(1)(i); and

(3) to reflect the effect of any resultant increase in forecast capital expenditure and incremental operating expenditure on the maximum allowed revenue for each regulatory year in the remainder of the transitional regulatory control period.

(h) An application for approval of a contingent project may only be made if the intended date for commencing the contingent project is during the transitional regulatory control period.

(i) For the first regulatory control period after the transitional regulatory control period, the forecast of capital expenditure for that first regulatory control period must be determined by applying the provisions of clause 6A.6.7 of the new Chapter 6A, in respect of the capital expenditure for a contingent project, with such modifications as are necessary to properly apply clause 6A.6.7.

Cost pass-through

(j) For the duration of the transitional regulatory control period:

(1) subject to subparagraph (2), clause 6A.7.2 of the new Chapter 6A applies to a network support event under the transitional revenue determination;

(2) the process to apply to the calculation, presentation and approval of pass through resulting from a network support event is as set out in the transitional revenue determination; and
(3) in respect of any positive change event or negative change event, the new Chapter 6A applies, with any modifications that are necessary to apply the relevant provisions to the transitional revenue determination.

**Roll forward of regulatory asset base**

(k) For the avoidance of doubt, in making a revenue determination for the first regulatory control period after the transitional regulatory control period, the value of the regulatory asset base at the beginning of the first regulatory year of that period calculated in accordance with clause S6A.2.1(f), may be adjusted having regard to the transitional revenue determination and any other arrangements agreed between the AER and Powerlink.

**Application of efficiency benefit sharing scheme**

(l) The efficiency benefit sharing scheme in force under clause 6A.6.5 applies to Powerlink during the transitional regulatory control period.

**Power to re-open transitional revenue determination**

(m) Clause 6A.7.1 applies to the transitional revenue determination, and a reference in the clause to:

(1) “revenue determination” is taken to be a reference to the transitional revenue determination;

(2) “regulatory control period” is taken to be a reference to the transitional regulatory control period;

(3) “contingent project” has the meaning referred to in paragraph (a); and

(4) “X Factor” has the same meaning as in the transitional revenue determination.

(n) Subject to rule 11.8, old Part C (including Schedules 6.2, 6.3, 6.4, 6.7 and 6.8 of old Chapter 6) continues to apply for the duration of the transitional regulatory control period

11.6.13 ElectraNet easements transitional provisions

(a) In this clause 11.6.13:

- **current regulatory control period** means the regulatory control period for ElectraNet commencing on 1 January 2003 and ending on 30 June 2008.

- **Determination** means the South Australian Transmission Network Revenue Cap Decision of the ACCC dated 11 December 2002.

- **easement** means easements referred to in the Determination.
(b) Without limiting the operation of the new Chapter 6A, in establishing the opening regulatory asset base for ElectraNet for the regulatory control period subsequent to ElectraNet’s current regulatory control period, the AER may also consider adjustments to the regulatory asset base for ElectraNet that relate to easements, as agreed by letter dated 3 August 2004, between the ACCC and ElectraNet.

11.6.14 TransGrid contingent projects

(a) In this clause 11.6.14:

contingent project means a project identified in the Determination as a contingent project.

current regulatory control period means the period 1 July 2004 to 30 June 2009.

Determination means the “Final Decision, NSW and ACT Transmission Network Revenue Cap TransGrid 2004-05 to 2008-09” dated 27 April 2005 determined by the ACCC pursuant to clause 6.2.4(b) of the National Electricity Code.

TransGrid means the energy services corporation constituted under section 6A of the Energy Services Corporations Act 1995 (NSW) and specified in Part 1A of Schedule 1 to that Act.

(b) For the purposes of the application of clause 11.6.2(a) to the Determination, a reference to the old Chapter 6 is a reference to the old Chapter 6 as modified by rule 8A.1.

(c) For the first regulatory control period after the current regulatory control period, the forecast of capital expenditure for TransGrid for that first regulatory control period must be determined by applying the provisions of clause 6A.6.7 in respect of the capital expenditure for a contingent project, with such modifications as are necessary to properly apply clause 6A.6.7.

11.6.15 Transmission determination includes existing revenue determinations

The definition of a transmission determination may, where the context so requires, include a determination (or substituted determination) made, or deemed to be made, by the AER or the ACCC prior to the commencement date.

11.6.16 References to regulatory control period

A reference to a regulatory control period may, where the context so requires, include a period during which a revenue cap applied by virtue of a determination
(or substituted determination) made, or deemed to be made, by the AER or the ACCC prior to the commencement date.

11.6.17 Consultation procedure for first proposed guidelines

(a) In this clause 11.6.17:

**guideline** means:

(1) the post-tax revenue model referred to in rule 6A.5.2;
(2) the roll forward model referred to in rule 6A.6.1;
(3) an efficiency benefit sharing scheme referred to in rule 6A.6.5;
(4) a service target performance incentive scheme referred to in rule 6A.7.4;
(5) submission guidelines referred to in rule 6A.10.2; and
(6) Cost Allocation Guidelines referred to in rule 6A.19.3.

(b) The AER must develop and publish the first proposed guidelines on or before 31 January 2007, and may carry out consultation in the preparation of those proposed guidelines as the AER considers appropriate.

(c) Each proposed guideline must be published in accordance with the requirements of rule 6A.20(b), including an explanatory statement and an invitation for written submissions.

(d) The invitation for written submissions for the proposed guidelines must allow no less than 60 business days for the making of submissions.

(e) The AER may publish papers and hold conferences or information sessions in relation to the proposed guidelines as provided by rule 6A.20(d).

(f) Rule 6A.20(e)-(f) applies to the publication of the final decision of the AER in relation to the first guidelines, which must be published under rule 6A.20 on or before 30 September 2007.

11.6.18 Reliance on proposed guidelines for SP AusNet, VENCorp and ElectraNet

(a) In this clause 11.6.18:

**guideline** has the same meaning as in clause 11.6.17.

**proposed guideline** means a proposed guideline published under clause 11.6.17.
relevant provider means SP AusNet, VENCorp or ElectraNet.

2008 determination means a transmission determination to be made in 2008 for a relevant provider.

(b) For the purposes of making a 2008 determination for the regulatory control period to be covered by a 2008 determination, anything that must be done in accordance with a guideline must instead be done in accordance with the corresponding proposed guideline.

(c) Unless sooner revoked, a proposed guideline ceases to have effect in relation to a relevant provider at the end of the regulatory control period covered by a 2008 determination applying to the provider. For the avoidance of doubt, a proposed guideline does not apply to or in respect of the making of a subsequent transmission determination.

(d) For the purposes of making a 2008 determination for the regulatory control period to be covered by a 2008 determination, a relevant provider is taken to have complied with a requirement to comply with a Cost Allocation Methodology under the new Chapter 6A if the AER is satisfied that the relevant provider has complied with the relevant proposed guideline for cost allocation referred to in clause 11.6.17(a)(6), but only until the AER has approved a Cost Allocation Methodology for that provider under clause 6A.19.4.

11.6.19 EnergyAustralia transitional provisions

(a) In this clause 11.6.19:

contingent project means a project approved by the ACCC and identified in the Determination as a contingent project.

current regulatory control period means the period 1 July 2004 to 30 June 2009.

Determination means the “Final Decision, NSW and ACT Transmission Network Revenue Cap EnergyAustralia 2004-05 to 2008-09”.

EnergyAustralia means the energy services corporation constituted under section 7 of the Energy Services Corporations Act 1995 (NSW) and specified in Part 2 of Schedule 1 to that Act.

maximum allowed revenue means the maximum allowed revenue in the Determination.

trigger event means an event identified as a trigger in Appendix A of the Determination in respect of a contingent project.
triggered contingent project means the contingent project referred to in Appendix A of the Determination as “A.1 Replacement of Feeders 908/909”.

Application of Chapter 6A to Determination

(b) Subject to paragraph (c), clauses 6A.7.1, 6A.7.2 and 6A.7.3 apply to the Determination from the commencement date.

(c) In applying clause 6A.7.1 to the Determination, a reference in the clause to:

(1) “revenue determination” is taken to be a reference to the Determination;

(2) “regulatory control period” is taken to be a reference to the current regulatory control period;

(3) “contingent project” has the meaning referred to in paragraph (a); and

(4) “X Factor” has the same meaning as in the Determination.

Treatment of contingent projects

(d) Where the trigger event identified in respect of a contingent project occurs prior to 1 July 2009, the AER must, in accordance with the Determination:

(1) determine:

(i) the total capital expenditure which the AER considers is reasonably required for the purpose of undertaking the contingent project including any amount for forecast capital expenditure already included in the Determination in respect of the triggered contingent project;

(ii) the forecast capital and incremental operating expenditure for that contingent project (in addition to any amount for forecast capital expenditure already included in the Determination in respect of the triggered contingent project) for each remaining regulatory year of the current regulatory control period, which the AER considers is reasonably required for the purpose of undertaking the contingent project in accordance with Appendix A of the Determination;

(iii) the likely commencement and completion dates for the contingent project;

(iv) the incremental revenue which is likely to be earned by EnergyAustralia in each remaining regulatory year of the current
regulatory control period as a result of the contingent project being undertaken; and

(v) the maximum allowed revenue for each regulatory year in the remainder of the current regulatory control period by adding the incremental revenue for that regulatory year;

(2) calculate the estimate referred to in subparagraph (1)(iv) in accordance with the Determination, including:

(i) on the basis of the rate of return for EnergyAustralia for the current regulatory control period; and

(ii) consistently with the manner in which depreciation is calculated under the Determination; and

(3) vary the Determination to apply for the remainder of the current regulatory control period in accordance with paragraph (e).

(e) The AER may only vary the Determination to the extent necessary:

(1) to adjust the forecast capital expenditure for the current regulatory control period to accommodate the amount of additional capital expenditure determined under paragraph (d)(1)(ii); and

(2) to adjust the forecast operating expenditure for the current regulatory control period to accommodate the amount of additional operating expenditure determined under paragraph (d)(1)(ii); and

(3) to reflect the effect of any resultant increase in forecast capital expenditure and incremental operating expenditure on the maximum allowed revenue for each regulatory year in the remainder of the current regulatory control period.

(f) The intended date for commencing the contingent project must be during the current regulatory control period.

(g) For the first regulatory control period after the current regulatory control period, the forecast of capital expenditure for EnergyAustralia for that first regulatory control period must be determined by applying the provisions of clause 6A.6.7 in respect of the capital expenditure for a contingent project, with such modifications as are necessary to properly apply clause 6A.6.7.

11.6.20 Basslink transitional provisions

Definitions

(a) In this clause 11.6.20:
Basslink has the meaning provided in the *Electricity Supply Industry Act 1995* of Tasmania, and means the interconnection between the electricity grids of the States of Tasmania and Victoria by means of:

1. a high voltage, direct current, submarine cable across Bass Strait;
2. converter stations in those States;
3. direct current connecting lines to those converter stations;
4. alternating current transmission connections to the transmission networks of those States; and
5. related infrastructure.

Previous regulatory approach means the methodologies, objectives and principles for determination of a regulatory asset base applied in the previous regulatory determinations.

Previous regulatory determinations means the decision (including the reasons for decision) made under clause 2.5.2(c) of the National Electricity Code or clause 2.5.2(c) of the Rules (as the case may be):

1. by the ACCC, entitled the “Murraylink Transmission Company Application for Conversion and Maximum Allowable Revenue” dated 1 October 2003; and
2. by the AER, entitled “Directlink Joint Ventures’ Application for Conversion and Revenue Cap” dated 3 March 2006.

Application

(b) Where, after the commencement date, a service provided by means of, or in connection with, the Basslink transmission system ceases to be classified as a market network service:

1. paragraph (c) applies to that service to the exclusion of clause 2.5.2(c); and
2. paragraphs (d),(e),(f) and (g) apply to that service to the exclusion of clause S6A.2.1(e)(1) and (2).

(c) If, after the commencement date, a network service provided by means of, or in connection with, the Basslink transmission system ceases to be classified as a market network service, it may at the discretion of the AER be determined to be a prescribed transmission service, in which case the relevant total revenue cap may be adjusted in accordance with Chapter 6A and this clause 11.6.20 to include to an appropriate extent the relevant network elements which provide those network services.
(d) Where services are determined to be prescribed transmission services as referred to in paragraph (c), the value of the regulatory asset base, as at the beginning of the first regulatory year of the first regulatory control period for which those prescribed transmission services are to be regulated under a revenue determination, is the amount that is determined by the AER in accordance with paragraphs (e), (f) and (g).

(e) Subject to paragraph (f), the AER must determine the value of the regulatory asset base for the Basslink transmission system for the purposes of paragraph (d) by applying the previous regulatory approach to the circumstances of that transmission system.

(f) In the event of an inconsistency between the previous regulatory approach adopted in each of the previous regulatory determinations, the approach adopted in a decision of the AER regarding the Directlink transmission system prevails over the approach adopted in the decision of the ACCC regarding the Murraylink transmission system to the extent of the inconsistency.

(g) Without limiting paragraph (e), the AER must, when exercising any discretion in relation to the application of paragraph (e) above:

(1) have regard to the prudent and efficient value of the assets that are used by the relevant Transmission Network Service Provider to provide those prescribed transmission services (but only to the extent that those assets are used to provide such services); and

(2) for this purpose, determine that value having regard to the matters referred to in clause S6A.2.2.

11.6.21 SPI Powernet savings and transitional provision

Definitions

(a) In this clause 11.6.21:

**easements tax change event** means a change in the amount of land tax that is payable by SPI PowerNet in respect of the easements which are used for the purposes of SPI PowerNet’s transmission network where that change results in SPI PowerNet incurring higher or lower costs in providing prescribed transmission services than it would have incurred but for that event. For these purposes the change in the amount of land tax that is payable by SPI PowerNet must be calculated by applying the relevant land tax rate to the difference between:

(1) the value of the easements which is used for the purposes of assessing the land tax that is payable; and
(2) the value of the easements which is assumed for the purposes of the
revenue determination for the regulatory control period,

and an easements tax change event does not include an event described in
paragraphs (a), (b) or (c) of the definition of tax change event.

Regulated owner and SPI PowerNet both have the meaning provided in
clause 9.3.1(2) of the Rules.

Transition to new Chapter 6A: existing prescribed transmission services

(b) Notwithstanding clause 11.5.11, references to prescribed transmission
services in the new Chapter 6A include a service provided by an asset used
in connection with, or committed to be constructed for use in connection
with, a transmission system as at 9 February 2006, where that asset is the
subject of an agreement between SPI PowerNet and any of:

(1) VENCorp;

(2) a Distributor;

(3) a Regulated owner;

(4) a Generator; or

(5) a Market Network Service Provider,

and:

(6) the agreement provides or contemplates that following an interim
period the relevant asset will become subject to regulation under a
revenue determination applicable to SPI PowerNet; and

(7) in the case of an agreement with a Generator or a Market Network
Service Provider, the service the subject of the agreement is for
connection assets provided on a non-contestable basis.

Method of adjustment of value of regulatory asset base

(c) For the avoidance of doubt, in adjusting the previous value of the regulatory
asset base for SPI PowerNet’s transmission system as required by clause
S6A.2.1(f), the previous value of the regulatory asset base must be increased
by the amount of capital expenditure specified in, or that forms the basis of,
agreements pursuant to which SPI PowerNet constructed assets during the
previous regulatory control period used to provide prescribed transmission
services, adjusted for outturn inflation and depreciation in accordance with
the terms of those agreements.
(d) For the purposes of a revenue determination for SPI PowerNet (including but not limited to, a 2008 determination as defined in clause 11.6.18(a)), a pass through event includes an easements tax change event.

11.6.22 Interim arrangements pricing-related information

(a) Clause 6.2.5(a1) as in force immediately before the commencement date continues to apply during the current regulatory control period.

(b) The information guidelines may, in addition to the matter referred to in clause 6A.17.2(e), require the inclusion in the certified annual statements of:

(1) information on the amount of each instance, during the relevant reporting period, of any reduction in the prices payable by a Transmission Customer for prescribed transmission services provided by the Transmission Network Service Provider;

(2) information on each instance, during the relevant reporting period, of a reduction in the prices payable by a Transmission Customer for prescribed transmission use of system services or prescribed common transmission services (or both) that were recovered from other Transmission Customers for prescribed transmission use of system services or prescribed common transmission services; and

(3) information to substantiate any claim by the Transmission Network Service Provider that the information provided to the AER with respect to reductions in the prices payable by a Transmission Customer for the relevant prescribed transmission services under subparagraphs (2) or (3) is confidential information.

Part F Reform of Regulatory Test Principles (2006 amendments)

11.7 Rules consequent on making of the National Electricity Amendment (Reform of the Regulatory Test Principles) Rule 2006 No.19

11.7.1 Definitions

For the purposes of this rule 11.7:

Amending Rule means the National Electricity Amendment (Reform of the Regulatory Test Principles) Rule 2006 No.19.

commencement date means the date on which the Amending Rule commences operation.
current application means any action taken or process commenced under the Rules, which relies on or is referenced to, the regulatory test, and is not completed as at the commencement date.

ew clause 5.6.5A means clause 5.6.5A of the Rules as in force immediately after the commencement of the Amending Rule.

old clause 5.6.5A means clause 5.6.5A of the Rules as in force immediately before the commencement of the Amending Rule.

transitional application means any action taken or process commenced under the Rules, which relies on or is referenced to, the regulatory test and is not completed on 31 December 2007, or the date on which amendments (if any) to the regulatory test commence, whichever is the earlier.

11.7.2 Amending Rule does not affect old clause 5.6.5A

(a) On the commencement date, the regulatory test promulgated by the AER in accordance with the old clause 5.6.5A and in effect immediately before the commencement date, continues in effect and is taken to be consistent with the new clause 5.6.5A until 31 December 2007.

(b) Old clause 5.6.5A, and the regulatory test promulgated under that clause 5.6.5A, continues to apply to and in respect of, any current application and any transitional application.

Part G Pricing of Prescribed Transmission Services (2006 amendments)

11.8 Rules consequent on making the National Electricity Amendment (Pricing of Prescribed Transmission Services) Rule 2006

11.8.1 Definitions

Subject to this rule 11.8, in this rule 11.8:

agreed interim requirements means interim requirements that are equivalent to the requirements of the pricing methodology guidelines referred to in rule 6A.25 and have been developed in consultation with the relevant providers for the purposes of a proposed 2008 pricing methodology.

ElectraNet means ElectraNet Pty Ltd ACN 094 482 416 trading as ElectraNet.

existing assets means transmission system assets in existence as at 24 August 2006.
previous regulatory determinations means the decision (including the reasons for decision) made under clause 2.5.2(c) of the National Electricity Code or clause 2.5.2(c) of the Rules (as the case may be):

(1) by the ACCC, entitled the “Murraylink Transmission Company Application for Conversion and Maximum Allowable Revenue” dated 1 October 2003; and

(2) by the AER, entitled “Directlink Joint Ventures’ Application for Conversion and Revenue Cap” dated 3 March 2006.

Pricing Rule commencement date means the date on which the National Electricity Amendment (Pricing of Prescribed Transmission Services) Rule 2006 commences operation.

relevant provider means SPAusNet, ElectraNet or VENCorp.

SPAusNet means SPI PowerNet Pty Ltd ACN 079 798 173.

2008 pricing methodology means a pricing methodology to be made in 2008 for a relevant provider.

VENCorp means the Victorian Energy Networks Corporation established under the Gas Industry Act 1994(Vic) and continued under the Gas Industry Act 2001(Vic).

11.8.2 Regulated interconnectors

(a) All interconnectors that formed part of the power system in the participating jurisdictions as at 31 December 1997 continue to be taken to be regulated interconnectors.

(b) All interconnectors that ceased to be classified as a market network service by a previous regulatory determination made before 28 December 2006 are taken to be regulated interconnectors.

(c) All interconnectors that, by a decision made after 28 December 2006 under clause 2.5.2(c) of the Rules cease to be classified as a market network service are taken to be regulated interconnectors.

11.8.3 Application of new Part J of Chapter 6A to Transmission Network Service Providers

(a) Subject to this rule 11.8, a Transmission Network Service Provider is not required to submit a proposed pricing methodology to the AER under the new Part J of Chapter 6A until a date that is 13 months before the expiry of a current regulatory control period.
(b) For the purposes of this clause 11.8.3, the transitional regulatory control period referred to in rule 11.6.12 (a) for Powerlink is taken to be the current regulatory control period.

11.8.4 Reliance on agreed interim guideline for ElectraNet, SPAusNet, and VenCorp

For the purpose of making a 2008 pricing methodology, anything that must be done in accordance with the pricing methodology guidelines must instead be done in accordance with the agreed interim requirements.

11.8.5 Prudent discounts under existing agreements

(a) A Transmission Network Service Provider may continue to recover discounts arising as a result of agreements that were entered into prior to 10 October 2001 so long as the agreement remains in effect and its terms are not renegotiated.

(b) A Transmission Network Service Provider may continue to recover discounts arising as a result of agreements that were entered into prior to 28 December 2006 so long as the agreement remains in effect and its terms are not renegotiated.

(c) The AER is not required to re-approve discounts arising under paragraphs (a) or (b) that were approved prior to 28 December 2006, and any approval for the recovery of such discounts is valid so long as the agreement between the Transmission Network Service Provider and the Transmission Customer remains in effect and its terms are not renegotiated.

11.8.6 Application of prudent discounts regime under rule 6A.26

(a) Despite clause 11.6.3, a Transmission Network Service Provider may apply rule 6A.26 during a current regulatory control period (as defined in clause 11.6.1).

(b) Where a Transmission Network Service Provider applies to the AER under clause 6A.26.2 for approval to recover a proposed recovery amount in circumstances where paragraph (a) applies, the AER must make a determination in accordance with clause 6A.26.2 notwithstanding that there is no approved pricing methodology for that provider.

11.8.7 Prudent discounts pending approval of pricing methodology

(a) This clause 11.8.7 applies where:

(1) a Transmission Network Service Provider has submitted or resubmitted a proposed pricing methodology to the AER under clause 6A.10.1, 6A.11.2 or 6A.12.3;
(2) the AER has not made a final decision approving or amending that methodology under rule 6A.13; and

(3) a Transmission Customer requests the provider to charge lower prices for prescribed TUOS services or prescribed common transmission services than the prices determined in accordance with the provider’s pricing methodology as referred to in clause 6A.26.1(d).

(b) Despite clause 6A.26.1, a Transmission Network Service Provider may agree to charge lower prices for prescribed TUOS services or prescribed common transmission services than the prices determined as referred to in clause 6A.26.1(d) in accordance with:

(1) in the case where the AER has made a draft decision in which it proposes to approve a proposed pricing methodology, - that proposed pricing methodology; or

(2) if subparagraph (1) does not apply, the pricing methodology most recently approved for that Transmission Network Service Provider prior to the proposed pricing methodology referred to in subparagraph (a)(1); or

(3) if there is no a previously approved pricing methodology for that Transmission Network Service Provider, - the previous method used by the Transmission Network Service Provider to establish prices, however determined must be used in place of an approved pricing methodology.

(c) Where a Transmission Network Service Provider applies to the AER under clause 6A.26.2 for approval to recover a proposed recovery amount in circumstances where paragraphs (a) and (b) apply, the AER must make a determination in accordance with clause 6A.26.2 notwithstanding that the reduced charges were agreed before a pricing methodology was approved.

(d) The subsequent approval by the AER of a pricing methodology for a Transmission Network Service Provider does not require the provider to adjust, reverse or recompense any amounts to Transmission Customers in connection with charges for services established pursuant to this clause 11.8.7.
Part H Reallocations (2007 amendments)

11.9 Rules consequent on the making of the National Electricity Amendment (Reallocations) Rule 2007

11.9.1 Definitions

For the purposes of this rule 11.9:

Amending Rule means the National Electricity Amendment (Reallocations) Rule 2007.

commencement date means the day on which the Amending Rule commences operation.

existing reallocation means a reallocation in place immediately before the commencement date.

new reallocation means a reallocation undertaken in accordance with the Rules after the date of publication of the reallocation procedures under clause 3.15.11A(d).

transitional reallocation means a reallocation in place immediately after the commencement date but prior to the date of publication of the reallocation procedures by NEMMCO under clause 3.15.11A(d).

11.9.2 Existing and transitional reallocations

(a) Subject to paragraph (c), an existing reallocation is to be treated as if the Amending Rule had not been made.

(b) Subject to paragraph (c), a transitional reallocation is to be treated as if the Amending Rule had not been made.

(c) A Market Participant who is a party to an existing reallocation or a transitional reallocation may elect to have the reallocation treated as a new reallocation if the participant obtains the agreement of the Market Participant who is the other party to the reallocation.
Part I Technical Standards for Wind Generation (2007 amendments)

11.10 Rules consequent on making of the National Electricity Amendment (Technical Standards for Wind Generation and other Generator Connections) Rule 2007

11.10.1 Definitions

Subject to this rule 11.10, in this rule 11.10:


commencement date means the date on which the Amending Rule commences operation.

new Chapter 5 means Chapter 5 of the Rules in force immediately after the commencement date.

old Chapter 5 means Chapter 5 of the Rules in force immediately prior to the commencement date.

11.10.2 Provision of information under S5.2.4 in registration application

(a) Any requirements in the Amending Rule that require a person who is applying to be a Registered Participant to submit information in relation to clause S5.2.4 for the purposes of clause 2.9.2 does not apply to any person who has, in accordance with clause 2.9.1:

(1) submitted an application to be registered as a Registered Participant;

(2) commenced a process for submitting further information in relation to the application referred to in subparagraph (1); or

(3) has submitted further information in relation to the application referred to in subparagraph (1),

and, at the commencement date, has not been registered by NEMMCO in accordance with clause 2.9.2 as a Registered Participant.

(b) A person registered in accordance with this clause 11.10.2:

(1) subject to subparagraph (2), is taken to be registered in accordance with the requirements of the Rules as amended by the Amending Rule; and

(2) must submit all information required under clause S5.2.4 within six months of the commencement date.
11.10.3 **Access standards made under the old Chapter 5**

(a) Any automatic access standard or negotiated access standard that applied to a generating unit or generating system under the old Chapter 5 continues to apply to that system or unit as if the Amending Rule had not been made.

(b) Unless a Generator and a Network Service Provider otherwise agree, a negotiated access standard that is the subject of a negotiating process as at the commencement date, is to be negotiated in accordance with the old Chapter 5, as if the Amending Rule had not been made.

11.10.4 **Modifications to plant by Generators**

Unless the Generator and the relevant Network Service Provider otherwise agree, a Generator who at the commencement date has proposed to modify a plant and has commenced negotiations with a Network Service Provider under the old Chapter 5 is to continue the negotiating process in accordance with the old Chapter 5 as if the Amending Rule had not been made.

11.10.5 **Technical Details to Support Application for Connection and Connection Agreement**

(a) Subject to paragraphs (b) and (c), any decision or action taken by NEMMCO for the purpose of developing and publishing an initial Generating System Design Data Sheet, an initial Generating System Setting Data Sheet and initial Generating System Model Guidelines under clause S5.5.7 prior to the commencement date has continuing effect as if the decision had been made or the action had been taken under the Amending Rule.

(b) Pending the final publication of the Generating System Design Data Sheet and the Generating System Setting Data Sheet under clause S5.5.7:

(1) schedule 5.5.1 of the Rules as in force immediately before the commencement date is taken to be the interim Generating System Design Data Sheet; and

(2) schedule 5.5.2 of the Rules as in force immediately before the commencement date is taken to be the interim Generating System Setting Data Sheet.

(c) The interim Generating System Design Data Sheet and interim Generating System Setting Data Sheet referred to in paragraph (b) continue in force until NEMMCO publishes the equivalent data sheet under S5.5.7 which must be no later than 29 February 2008.
11.10.6 Transitional arrangements for establishment of performance standards

For the purposes of the definition of performance requirement in clause 4.16.1, clauses S5.2.8 and S5.2.9 of the old Chapter 5 applies as if the Amending Rule had not been made.

11.10.7 Jurisdictional Derogations for Queensland

(a) For the purposes of clause 9.37.12, clause S5.2.5.2(c) of the old Chapter 5 applies as if the Amending Rule had not been made.

(b) For the purposes of clause 9.37.21, clause S5.2.5.13 of the old Chapter 5 applies as if the Amending Rule had not been made.

11.10A Rules consequent on the making of the National Electricity Amendment (Central Dispatch and Integration of Wind and Other Intermittent Generation) Rule 2008

11.10A.1 Definitions

In this rule 11.10A:

**Amending Rule** means the National Electricity Amendment (Central Dispatch and Integration of Wind and Other Intermittent Generation) Rule 2008.

**classified generating unit** means a *non-scheduled generating unit* or *scheduled generating unit* immediately before the registration date that could be classified as a *semi-scheduled generating unit* immediately after the registration date.

**commencement date** means the date on which Schedule 2 of the Amending Rule commences operation.

**committed project** means a project that NEMMCO considers has been fully committed by the project proponent taking into account the following factors:

(a) the project proponent's rights to land for the construction of the project;

(b) whether contracts for the supply and construction of the project’s major plant or equipment, including contract provisions for project cancellation payments, have been executed;

(c) the status of all planning and construction approvals and licences necessary for the commencement of construction of the project, including completed and approved environmental impact statements;

(d) the level of commitment to financing arrangements for the project; and
(e) whether project construction has commenced or a firm date has been set for it to commence.

**initial ECM guidelines** has the meaning given in clause 11.10A.8.

**potential semi-scheduled generating unit** means a *generating unit* that, at the time of registration of that unit under Chapter 2, could have been classified as a *semi-scheduled generating unit* in accordance with clause 2.2.7 and:

(a) is listed in “Table 4.22: Committed NEM Wind Farms” of the 2007 *statement of opportunities*; or

(b) is considered by NEMMCO to be a committed project as at 1 January 2008, and, for the avoidance of doubt, does not include a classified generating unit.

**registered generating unit** means a *generating unit* which has had its classification as a *semi-scheduled generating unit* approved by NEMMCO on or after the registration date and before the commencement date.

**registration date** means the date on which Schedule 1 of the Amending Rule commences operation.

### 11.10A.2 Registration and reclassification of classified generating units

(a) On and after the registration date, a *Non-Scheduled Generator* or *Scheduled Generator* with a classified generating unit will not be required to register as a *Semi-Scheduled Generator* and reclassify the classified generating unit as a *semi-scheduled generating unit*.

(b) For a period of 2 years after the commencement date, a *Generator* who:

1. as at the commencement date has classified generating units; and

2. subsequently reclassifies those generating units as *semi-scheduled generating units*,

is not required to pay *Participant fees* in accordance with rule 2.11.

(c) Classified generating units that are reclassified as *semi-scheduled generating units* after the registration date but prior to the commencement date are taken to be *non-scheduled generating units* or *scheduled generating units* (as the case may be) until the commencement date.

### 11.10A.3 Registered generating unit

(a) Subject to paragraph (b) and clause 11.10A.4, until the commencement date, a registered generating unit is taken to be a *non-scheduled generating unit* for the purposes of the *Rules*. 
(b) A registered generating unit must meet the technical requirements for a *semi-scheduled generating unit* in schedule 5.2.

(c) A registered generating unit that:

(1) prior to the registration date is classified as a *scheduled generating unit*; and

(2) on or after the registration date but prior to the commencement date is reclassified as a *semi-scheduled generating unit*,

is taken to continue to be a *scheduled generating unit* until the commencement date.

### 11.10A.4 Classification of potential semi-scheduled generating unit

(a) On and after the registration date, a person may apply to *NEMMCO* to classify a potential semi-scheduled generating unit as:

(1) a *scheduled generating unit* in accordance with clause 2.2.2; or

(2) a *non-scheduled generating unit* in accordance with clause 2.2.3.

(b) *NEMMCO* must treat an application received under paragraph (a) as:

(1) in the case of an application referred to paragraph (a)(1), as an application to be classified as a *scheduled generating unit*; or

(2) in the case of an application referred to in paragraph (a)(2), as an application to be classified as a *non-scheduled generating unit*.

(c) In assessing an application referred to in paragraph (a)(2), *NEMMCO* must approve the classification if *NEMMCO* is satisfied that the output of the *generating unit* is *intermittent* even where the *generating unit* does not meet the requirements of clause 2.2.3(b)(1) or (2).

(d) If an application for classification of a potential semi-scheduled generating unit made under this clause 11.10A.4 is approved by *NEMMCO* in accordance with clause 2.2.2 or, subject to paragraph (c), clause 2.2.3, the relevant unit is taken to be a *scheduled generating unit* or *non-scheduled generating unit* (as the case may be) for the purposes of the *Rules*.

### 11.10A.5 Participant fees

Until *NEMMCO* determines a structure of *Participant fees* under rule 2.11 which provides for *Semi-Scheduled Generators*, references to *Scheduled Generators* in *NEMMCO*’s “Structure of Participant Fees under rule 2.11 of the National Electricity Rules” publication dated 24 March 2006, will be taken to include *Semi-Scheduled Generators.*
11.10A.6 Timetable

(a) \( NEMMCO \) must amend the timetable in accordance with clause 3.4.3(b) to take into account the Amending Rule with those amendments to take effect from the commencement date.

(b) All actions taken by \( NEMMCO \) prior to the commencement date in anticipation of the commencement date to amend the timetable as required under paragraph (a) are taken to satisfy the equivalent action required under clause 3.4.3(b).

11.10A.7 Procedure for contribution factors for ancillary service transactions

(a) \( NEMMCO \) must amend the procedure prepared by \( NEMMCO \) under clause 3.15.6A(k) in accordance with clause 3.15.6A(m) to take into account the Amending Rule with those amendments to take effect from the commencement date.

(b) All actions taken by \( NEMMCO \) prior to the commencement date in anticipation of the commencement date to amend the procedure prepared by \( NEMMCO \) under clause 3.15.6A(k) as required under paragraph (a) are taken to satisfy the equivalent action under clause 3.15.6A(m).

11.10A.8 Guidelines for energy conversion model information

(a) Subject to paragraph (b), for the purposes of clause 2.2.7(d) \( NEMMCO \) must publish guidelines by no later than the registration date setting out the information to be contained in energy conversion models (the initial ECM guidelines).

(b) The initial ECM guidelines do not need to be prepared in consultation with Semi-Scheduled Generators. \( NEMMCO \) must replace the initial ECM guidelines as soon as reasonably practicable with guidelines described in clause 2.2.7(d) which have been prepared in consultation with Semi-Scheduled Generators and such other person that \( NEMMCO \), acting reasonably, considers appropriate.

Part L Abolition of Snowy Region (2007 amendments)

11.13 Rules consequent on making the National Electricity Amendment (Abolition of Snowy Region) Rule 2007

11.13.1 Definitions

In this rule 11.13:
**Amending Rule 2007** means the National Electricity Amendment (Abolition of Snowy Region) Rule 2007.

**current Regions Publication** means the document published by NEMMCO entitled “List of Regional Boundaries and Marginal Loss Factors for the 2007/08 Financial Year”.


**implementation period** means the period specified in clause 11.13.4.

**implementation plan** means the plan referred to in clause 11.13.5.

**implementation function** means a function referred to in clause 11.13.6.

**Loss Factors Publication** means the document published by NEMMCO from time to time under clauses 3.6.1(f) and 3.6.2(f1) which sets out marginal loss factors.

**modified regions** means the regions identified as the New South Wales region and the Victoria region in the current Regions Publication, modified as a result of the abolition of the Snowy region under the Amending Rule 2007 taking effect.

**new regions** means the unmodified regions and the modified regions.

**New South Wales region**, **Snowy region** and **Victoria region** each have the same meaning as in clause 3.5.6.

**old regions** means the regions identified in the current Regions Publication.

**Rule commencement date** means the date on which the Amending Rule 2007 commences operation.

**unmodified regions** means the regions known as the Queensland region, the South Australia region and the Tasmania region as identified in the current Regions Publication, the boundaries of which are not affected by the abolition of the Snowy region under the Amending Rule 2007.

### 11.13.2 Purpose of rule 11.13

The purpose of this rule 11.13 is to enable the efficient and effective implementation of a change of region boundaries as a result of the abolition of the Snowy region during the implementation period, prior to the start of the new regions, and to support a smooth transition from the old regions to the new regions.
11.13.3 Application of rule 11.13

This rule 11.13 applies despite any other provision of the Rules (including any guideline or procedure made under the Rules), and to the extent of any inconsistency, this rule 11.13 prevails during the implementation period.

11.13.4 Implementation period

(a) The implementation period starts on the Rule commencement date and ends on 15 July 2008.

(b) Any decision made or action taken by NEMMCO for the purpose of implementing the abolition of the Snowy region between the Draft Determination date and the Rule commencement date, has continuing effect as if the decision had been made or the action had been taken under the Rules as amended by the Amending Rule 2007.

11.13.5 Publishing of implementation plan by NEMMCO

(a) NEMMCO must develop and publish by 15 September 2007 an implementation plan that identifies the key implementation steps to be taken during the implementation period, including the proposed exercise by NEMMCO of the implementation functions.

(b) NEMMCO may, during the implementation period, amend the implementation plan as necessary, and must publish the amended plan.

11.13.6 NEMMCO implementation functions

(a) Subject to this rule 11.13, NEMMCO has, during the implementation period, the following functions and powers (‘the implementation functions’):

   (1) the power to make a decision or take any action (including the power to refrain from making a decision or taking action) that is necessary or consequential to the implementation of the Amending Rule 2007; and

   (2) the other functions and powers specified under this rule 11.13.

(b) The exercise of the implementation functions by NEMMCO must be referable to and consistent with the implementation plan as published.

11.13.7 Software modifications to implement abolition of Snowy region

Despite clause 3.17.1 and subject to this clause 11.13.7, NEMMCO:

(1) may, as an implementation function, alter, reconfigure, reprogram or otherwise modify or enhance any computer software required for the operation of the market; and
(2) must, to the extent practicable, adhere to the procedures for change management under the document entitled “NEM Systems IT Procedure Manual: Change Management” and NEMMCO may make the changes under paragraph (1) without authorisation by the AER even if NEMMCO does not fully adhere to that document.

11.13.8 Allocation of transmission connection points as a result of abolition of Snowy region

Each transmission network connection point previously assigned to the Snowy region as at the Rule commencement date is allocated to the New South Wales region and the Victoria region as follows:

**Loads**

<table>
<thead>
<tr>
<th>Location</th>
<th>Voltage kV</th>
<th>TNI code</th>
<th>Region</th>
</tr>
</thead>
<tbody>
<tr>
<td>Khancoban</td>
<td>330</td>
<td>NKHN</td>
<td>Victoria</td>
</tr>
</tbody>
</table>

**Generation**

<table>
<thead>
<tr>
<th>Location</th>
<th>Voltage kV</th>
<th>Connection point ID</th>
<th>TNI code</th>
<th>Region</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jindabyne pump at Guthega</td>
<td>132</td>
<td>NGJP</td>
<td>NGJP</td>
<td>Victoria</td>
</tr>
<tr>
<td>Guthega</td>
<td>132</td>
<td>NGUT</td>
<td>NGUT</td>
<td>NSW</td>
</tr>
<tr>
<td>Guthega Ancillary Services 2</td>
<td>132</td>
<td>NGUT2</td>
<td>NGUT</td>
<td>NSW</td>
</tr>
<tr>
<td>Guthega</td>
<td>132</td>
<td>NGUT8</td>
<td>NGUT</td>
<td>NSW</td>
</tr>
<tr>
<td>Lower Tumut</td>
<td>330</td>
<td>NLTS</td>
<td>NLTS</td>
<td>NSW</td>
</tr>
<tr>
<td>Lower Tumut Ancillary Services 2 (pumps)</td>
<td>330</td>
<td>NLTS3</td>
<td>NLTS</td>
<td>NSW</td>
</tr>
<tr>
<td>Lower Tumut Ancillary Services 3</td>
<td>330</td>
<td>NLTS5</td>
<td>NLTS</td>
<td>NSW</td>
</tr>
<tr>
<td>Lower Tumut</td>
<td>330</td>
<td>NLTS8</td>
<td>NLTS</td>
<td>NSW</td>
</tr>
<tr>
<td>Murray Ancillary Services 1</td>
<td>330</td>
<td>NMUR11</td>
<td>NMUR</td>
<td>Victoria</td>
</tr>
<tr>
<td>Murray Ancillary Services 2</td>
<td>330</td>
<td>NMUR13</td>
<td>NMUR</td>
<td>Victoria</td>
</tr>
<tr>
<td>Murray Ancillary Services 3</td>
<td>330</td>
<td>NMUR5</td>
<td>NMUR</td>
<td>Victoria</td>
</tr>
<tr>
<td>Murray Ancillary Services 4</td>
<td>330</td>
<td>NMUR7</td>
<td>NMUR</td>
<td>Victoria</td>
</tr>
<tr>
<td>Murray</td>
<td>330</td>
<td>NMUR8</td>
<td>NMUR</td>
<td>Victoria</td>
</tr>
</tbody>
</table>
### Location of region boundaries

The location of the region boundary between the New South Wales region and the Victoria region as a result of the abolition of the Snowy region is as follows:

1. at Red Cliffs Terminal Station on the 0X1 Red Cliffs to Buronga 220 Transmission Line;
2. at Wodonga Terminal Station on the 060 Wodonga to Jindera 330 Transmission Line;
3. at Murray Switching Station on the 066 Murray to Lower Tumut 330 Transmission Line;
4. at Murray Switching Station on the 065 Murray to Upper Tumut 330 Transmission Line;
5. at the Guthega 132kV Switchyard 132kV Bus No 2-3 bus Section Disconnector 4128.

### 2008/09 Regions Publication and Loss Factors Publication

(a) NEMMCO must, as an implementation function, review and publish by 1 April 2008:

1. the 2008/09 Regions Publication; and
2. the 2008/09 Loss Factors Publication,

making any changes necessary in accordance with the Amending Rule 2007, including but not limited to the allocation of transmission network.
connection points under clause 11.13.8 and the location of region boundaries under clause 11.13.9.

(b) In relation to the publications referred to in paragraph (a) (or subsequent annual Regions Publications or Loss Factors Publications), nothing prevents NEMMCO:

(1) amending those publications to implement:

   (i) the Amending Rule 2007 or future region boundary changes under the Rules;

   (ii) future physical changes to the transmission network; or

   (iii) changes in the configuration of connection points requested by Registered Participants for the purposes of participation in the NEM; or

(2) publishing the annual Regions Publication and the Loss Factors Publication in a single document.

11.13.11 Reserve margin calculations

NEMMCO may, as an implementation function, determine estimates of the minimum reserve levels to be applied to the modified regions provided that the process used to determine the estimates is published.

11.13.12 Re-calculation of network constraints and transmission loss factors

(a) A Transmission Network Service Provider must, to the extent practicable, provide to NEMMCO on request information for or with respect to the re-calculation of network constraints and transmission loss factors including but not limited to:

   (1) advice on the re-calculation of network limits, including stability limits; and

   (2) information relating to the determination of network losses and loss factors.

(b) Where a Transmission Network Service Provider advises NEMMCO that it is not practicable to provide information relating to the re-calculation of network limits or losses within the time period specified in the request, NEMMCO may:

   (1) request the Transmission Network Service Provider to provide the information to NEMMCO as it becomes available to the provider;
(2) determine *inter-regional loss factors* on the basis of estimates;

(3) apportion losses for the purpose of *settlements residue payments* using estimates; or

(4) re-formulate existing *network constraints* to apply to the new *regions* using estimates.

(c) *NEMMCO* must *publish* the process used for determining estimates under paragraph (b).

### 11.13.13 Transition of settlements residue auction arrangements

(a) Terms used in this clause 11.13.13 that are used in the *auction rules* have the same meaning as in those rules.

(b) Despite anything in rule 3.18, *NEMMCO*:

(1) may, as an implementation function:

(i) amend the *auction rules*;

(ii) remove or modify Unit Categories affected by the abolition of the *Snowy region* and the consequential modification of the *New South Wales region* and the *Victoria region*;

(iii) re-set *auction expense fees* as required to align with any new Unit Categories;

(iv) conduct *auctions* in relation to new Unit Categories; and

(v) take any other action in relation to *auctions* that is necessary or consequential on the abolition of the *Snowy region*; and

(2) must consult with the *Settlements Residue Committee* in amending the *auction rules* under paragraph (1) and is only required to comply with the *Rules consultation procedures* to the extent practicable in the circumstances of the implementation of the abolition of the *Snowy region*.

### 11.13.14 Continuity of regions

Subject to this rule 11.13 and clause 3.5.6, on and from 00:00 hours *EST* on 1 July 2008:

(1) the unmodified *regions* continue and are taken to be *regions* for all purposes under the *Rules*; and
(2) the New South Wales region and the Victoria region as modified by the Amending Rule 2007 continue and are taken to be regions specified under clause 3.5.1 for all purposes under the Rules.

Part M Economic Regulation of Distribution Services (2007 amendments)

Division 1 General Provisions

11.14.1 Application of this Division

This Division has no application in relation to Victoria.

11.14.2 Definitions


current Chapter 6 means Chapter 6 of these Rules as currently in force.

former Chapter 6 means Chapter 6 of these Rules as in force before the substitution of the current Chapter 6 by the amending rules.

jurisdictional pricing determination for a participating jurisdiction means a determination regulating distribution service pricing made by the Jurisdictional Regulator for the participating jurisdiction and in force immediately before the date of the relevant amendment.

new regulatory provisions means the provisions of current Chapter 6 or (if applicable) of later Divisions of this Part providing for the economic regulation of distribution services after the transitional regulatory period comes to an end.

old regulatory regime for a participating jurisdiction includes:

(a) the jurisdictional pricing determination for the participating jurisdiction; and

(b) the laws (including the former Chapter 6) governing the making, monitoring, administration and enforcement of the jurisdictional pricing determination;

(c) any other determination, guideline, code or document (whatever its description) of a kind contemplated by the former Chapter 6 that was made for the participating jurisdiction by the relevant Jurisdictional Regulator and was in force immediately before the date of the relevant amendment;
(d) any other obligation imposed by or under the former Chapter 6;

(e) any power or function of the Jurisdictional Regulator under the former Chapter 6.

**new regulatory regime** means the system for the economic regulation of distribution services contemplated by the new regulatory provisions.

**relevant amendment** means the substitution of the current Chapter 6 for the former Chapter 6 by the amending rules.

**transitional regulatory period** for a participating jurisdiction means the regulatory control period for which the jurisdictional pricing determination for the relevant participating jurisdiction was made.

### 11.14.3 Preservation of old regulatory regime

(a) Subject to this Part, a Distribution Network Service Provider who was providing distribution services in a participating jurisdiction at the date of the relevant amendment

(1) remains subject to the old regulatory regime for the duration of the transitional regulatory period; and

(2) does not become subject to the new regulatory regime until the end of the transitional regulatory period.

**Examples:**

1. Reporting, monitoring and other compliance requirements continue under the old regulatory regime until the end of the transitional regulatory period and (subject to this Part) are unaffected by the new regulatory provisions.

2. Price regulation continues under the old regulatory regime until the end of the transitional regulatory period and is unaffected by the new regulatory provisions.

3. Prudential, billing and settlement issues are governed by rules 6.7 and 6.8 of former Chapter 6 and any applicable regulatory instruments (rather than Parts J and K of current Chapter 6).

4. Access disputes are dealt with under the old regulatory regime (and cannot be notified under Part L of current Chapter 6).

(b) However:
(1) the new regulatory provisions govern the making of a distribution determination for the Distribution Network Service Provider at the end of the transitional regulatory period; and

(2) in that respect the new regulatory provisions apply to a Distribution Network Service Provider who is still subject to the old regulatory regime as if the jurisdictional pricing determination were a distribution determination approaching the end of its regulatory control period.

11.14.4 Transfer of regulatory responsibility

(a) The Minister for a participating jurisdiction may, during the course of the transitional regulatory period, transfer responsibility for the economic regulation of distribution services in the relevant jurisdiction from the Jurisdictional Regulator to the AER.

(b) A Minister for a participating jurisdiction makes (or is taken to make) a transfer of regulatory responsibility under this clause:

1. by giving notice of the transfer to the Jurisdictional Regulator and the AER; or

2. if powers exist apart from this clause under the law of the participating jurisdiction to transfer regulatory responsibility from the Jurisdictional Regulator to the AER – by exercising those powers.

(c) If the Minister makes a transfer of regulatory responsibility under this clause:

1. the AER is subrogated to the position of the Jurisdictional Regulator; and

2. the AER may therefore exercise powers and functions of the Jurisdictional Regulator (including legislative powers and functions) under the old regulatory regime; and

Note:

The AER may also use its powers (e.g. for information gathering) under the Law.

(3) references to the Jurisdictional Regulator in a determination or other instrument (including a legislative instrument) related to the old regulatory regime will be read as references to the AER.
11.14.5 Special requirements with regard to ring fencing

(a) The requirements of the old regulatory regime with regard to ring fencing (rule 6.12 of former Chapter 6 and related guidelines) apply to a Distribution Network Service Provider until the AER assumes regulatory responsibility at the end of the transitional regulatory period or on the earlier transfer of regulatory responsibility to the AER.

(b) On the AER's assumption of regulatory responsibility, a Distribution Network Service Provider:

(1) ceases to be subject to the requirements of the old regulatory regime with regard to ring fencing; and

(2) becomes subject to the ring fencing requirements of the new regulatory regime; but

(3) guidelines in force for a participating jurisdiction immediately before the AER's assumption of regulatory responsibility (transitional guidelines) continue in force for that jurisdiction subject to amendment, revocation or replacement by guidelines made under the new regulatory regime.

(c) The transitional guidelines:

(1) are taken to be guidelines made by the AER under the new regulatory regime; and

(2) are to be construed as if references to a Jurisdictional Regulator were references to the AER.

(d) A waiver granted, or additional ring fencing requirement imposed, by a Jurisdictional Regulator under the transitional guidelines continues in force under the transitional guidelines subject to variation or revocation by the AER.

11.14.6 Additional requirements with regard to cost allocation

(a) Even though a Distribution Network Service Provider remains subject to the old regulatory regime, the provider is also subject, as from the date of the relevant amendment, to the requirements of Part F of the current Chapter 6 (Cost Allocation).

(b) This clause applies only for the purposes of the next distribution determination for the Distribution Network Service Provider.
11.14.7 Construction of documents

To facilitate the transition from the old regulatory regime to the new regulatory regime, references in determinations and other documents to provisions of former Chapter 6 are to be read (where the context admits) to corresponding provisions of the current Chapter 6.

Division 2 Special provisions applying to New South Wales and the Australian Capital Territory for the Regulatory Control Period 2009-2014

11.15 Special provisions applying to New South Wales and the Australian Capital Territory

11.15.1 Regulatory control period 2009-2014 for NSW and ACT

There is to be a regulatory control period of 5 years for the NSW and ACT Distribution Network Service Providers commencing on 1 July 2009, which is referred to in this Division 2 as the regulatory control period 2009-2014.

11.15.2 Application of Chapter 6 to NSW and ACT for regulatory control period 2009-2014

(a) Chapter 6 of the Rules applies in relation to the NSW and ACT Distribution Network Service Providers in respect of the regulatory control period 2009-2014 as if that Chapter were amended so as to be in the form set out in Appendix 1 to the Rules.

(b) However, anything required to be done by or in relation to the NSW and ACT Distribution Network Service Providers during the regulatory control period 2009-2014 for the purposes of the regulatory control period commencing on 1 July 2014 is to be done in accordance with general Chapter 6, but (where appropriate) taking into account anything done under transitional Chapter 6.

(c) Accordingly general Chapter 6 does not apply in relation to the NSW and ACT Distribution Network Service Providers in respect of the regulatory control period 2009-2014 except:

(1) as provided by paragraphs (a) and (b); and

(2) to the extent that a provision of transitional Chapter 6 expressly applies a provision of general Chapter 6 or expressly provides that an act, matter or thing has to be done in accordance with a provision of or a procedure in general Chapter 6.
(d) For the avoidance of doubt, this rule 11.15 and transitional Chapter 6 do not apply to Distribution Network Service Providers not referred to in paragraph (c).

(e) References in the Rules (other than Chapter 6 and this rule 11.15) to Chapter 6 or a provision of Chapter 6 are references to transitional Chapter 6 or a provision of transitional Chapter 6 so far as the references relate to the regulatory control period 2009-2014 for the NSW and ACT Distribution Network Service Providers.

(f) In this rule 11.15:

“general Chapter 6” means Chapter 6 as in force apart from this rule 11.15.

“transitional Chapter 6” means Chapter 6 in the form set out in Appendix 1 to the Rules.

Division 3 Transitional arrangements for first distribution determination for Queensland Distribution Network Service Providers

11.16 Transitional arrangements for first distribution determination for Queensland Distribution Network Service Providers

11.16.1 Definitions

In this Division 3:

2005 determination means the Final Determination: Regulation of Electricity Distribution of the Queensland Competition Authority dated April 2005.

EDSD Review means the review by the Independent Panel appointed by the Queensland Government into Electricity Distribution and Service Delivery for the 21st Century which was established in March 2004 and reported in July 2004.

ENERGEX means Energex Limited A.C.N 078 849 055 and any successor business.


Queensland Competition Authority means the authority established by section 7 of the Queensland Competition Authority Act 1997 (Qld).

regulatory control period means the regulatory control period beginning 1 July 2010.
11.16.2 Application of Part to Queensland 2010 distribution determinations

The requirements of this Division 3 apply for the purposes of making a distribution determination for ENERGEX and Ergon Energy for the regulatory control period and modify the application of Chapter 6 of the Rules to the extent set out in this Division 3.

11.16.3 Treatment of the regulatory asset base

(a) Nothing in Chapter 6 of the Rules requires ENERGEX or Ergon Energy to amend the approach allowed in the 2005 determination in relation to the treatment of standard control services and other services in the regulatory asset base for the regulatory control period.

(b) The AER must accept the approach proposed by ENERGEX and Ergon Energy for the regulatory control period if it is consistent with the approach in the 2005 determination.

(c) The AER must provide for any necessary adjustments or mechanisms in the distribution determination for the regulatory control period to prevent any cross-subsidies between standard control services and other distribution services.

Note:

The regulatory asset bases for Ergon Energy and ENERGEX are likely to include assets used to provide services which are not standard control services and accordingly the expected revenue for each year will need to be adjusted to avoid double recovery of those costs.

11.16.4 Efficiency Benefit Sharing Scheme

(a) An efficiency benefit sharing scheme for ENERGEX and Ergon Energy for the regulatory control period must not cover efficiency gains and losses relating to capital expenditure.

(b) For the purposes of clause 6.5.8(c) the AER must also have regard to the continuing obligations on ENERGEX and Ergon Energy throughout the regulatory control period to implement the recommendations from the EDSD Review adopted by the Queensland Government.

11.16.5 Service Target Performance Incentive Scheme

In formulating a service target performance incentive scheme to apply to ENERGEX and Ergon Energy for the regulatory control period, the AER, in addition to the requirements in clause 6.6.2(b), must also:
(1) take into account the continuing obligations on ENERGEX and Ergon Energy throughout the regulatory control period to implement the recommendations from the EDSD Review adopted by the Queensland Government;

(2) take into account the impact of severe weather events on service performance; and

(3) consider whether the scheme should be applied by way of a paper trial or whether a lower powered incentive is appropriate.

11.16.6 Framework and approach

(a) If either ENERGEX or Ergon Energy submits a proposal to the AER as to the classification of services and control mechanism for the regulatory control period on or before 31 March 2008, the AER must publish its framework and approach paper under clause 6.8.1 in relation to those issues within five months of receiving the proposal from ENERGEX or Ergon Energy (as the case may be).

(b) This clause does not affect the timing or the processes of the AER in preparing and publishing its framework and approach paper on the remaining issues in clause 6.8.1 for ENERGEX or Ergon Energy if they submit a proposal under paragraph (a).

11.16.7 Regulatory Proposal

(a) For the purposes of submitting a regulatory proposal under clause 6.8.2 for the regulatory control period, ENERGEX and Ergon Energy may, for the purposes of calculating indicative prices referred to in clause 6.8.2(c)(4) and including X factors for the purposes of clause 6.5.9, treat the proposed statement of regulatory intent published under clause 6.16(b)(1) as if it were the applicable statement of regulatory intent.

(b) If the statement of regulatory intent differs materially from the proposed statement of regulatory intent, ENERGEX or Ergon Energy may revise its calculation of indicative prices and proposed X factors in its regulatory proposal on or before 1 July 2009.

(c) The AER must publish any revised information submitted by ENERGEX or Ergon Energy under this clause.

11.16.8 Side constraints

For the regulatory control period, nothing in clause 6.18.6 should preclude the implementation of any price paths approved by the Queensland Competition Authority (including any necessary adjustment of those price paths in light of the expected revenue for the first regulatory year of the regulatory control period).
11.16.9 Cost pass throughs

(a) If an event or circumstance occurs before 1 July 2010 which would constitute a pass through under the 2005 determination and no application for a pass through has been made in relation to that event or circumstance, ENERGEX or Ergon Energy may apply to the AER within a year of the event or circumstance occurring to accommodate the impact of the event in the regulatory control period.

(b) The AER must allow a pass through of such amounts if the event or circumstance would have constituted a pass through under the 2005 determination as if the amounts were approved pass through amounts under clause 6.6.1.

11.16.10 Capital Contributions Policy

(a) ENERGEX and Ergon Energy must comply with a capital contributions policy published under this clause 11.16.10 for the regulatory control period.

(b) By 1 July 2009, ENERGEX and Ergon Energy must publish on their website a capital contributions policy based upon the requirements relating to capital contributions in their Network Pricing Principles Statements approved by the Queensland Competition Authority immediately in force prior to 1 July 2009.

(c) The AER may by written notice, before 1 January 2010, direct ENERGEX or Ergon Energy to revise and republish their capital contributions policy within 15 business days of the notice only if the published policy does not give effect to the requirements relating to capital contributions in their Network Pricing Principles Statement.

(d) After 1 January 2010, ENERGEX or Ergon Energy may apply to the AER to amend their published capital contributions policy and the AER may, after such consultation as it considers appropriate, approve or not approve that amendment.

Division 4 – Transitional provisions of specific application to Victoria

11.17.1 Definitions

In this Division:

AMI Order in Council means the Order in Council made by the Governor of Victoria under section 15A and section 46D of the Electricity Industry Act 2000 (Vic) and published in the Victoria Government Gazette on 28 August 2007 (and includes that Order in Council as amended from time to time).
**ESC cost allocation guidelines** means *Electricity Industry Guideline No.3, Regulatory Information Requirements* made by the ESC and dated 14 December 2006 (and includes those guidelines as amended from time to time).

**ESC distribution pricing determination** means the Victorian distribution pricing determination as defined in section 3(1) of the *National Electricity (Victoria) Act 2005*.

**Victorian Distribution Network Service Provider** means a *Distribution Network Service Provider* for a *distribution network* situated wholly or partly in Victoria.

### 11.17.2 Calculation of estimated cost of corporate income tax

(a) This clause applies to the calculation of the estimated cost of corporate income tax for the purposes of distribution determinations that are to take effect on 1 January 2011 for Victorian Distribution Network Service Providers.

(b) For calculating the estimated cost of corporate income tax, the *AER* must adopt:

1. the taxation values of assets carried over from the ESC distribution pricing determination; and
2. the classification of assets, and the method of classification, adopted for the ESC distribution pricing determination; and
3. the same method of depreciation as was adopted by the ESC for the ESC distribution pricing determination.

(c) The *AER* may, however, depart from methods of asset classification or depreciation mentioned in paragraph (b)(2) or (3) to the extent required by changes in the taxation laws or rulings given by the Australian Taxation office.

(d) A *post-tax revenue model* must be consistent with this clause.

### 11.17.3 Decisions made in the absence of a statement of regulatory intent

(a) This clause applies if a Victorian Distribution Network Service Provider submits a *building block proposal* before the *AER* issues a *statement of regulatory intent*.

(b) In deciding questions to which the considerations stated in clause 6.5.4(e) are relevant, the *AER* must have regard to those considerations.
11.17.4 Cost allocation guidelines

(a) In formulating the Cost Allocation Guidelines under clause 6.15.3, the AER must include guidelines specifically applicable to Victorian Distribution Network Service Providers (the guidelines of specific application to Victoria).

(b) The guidelines of specific application to Victoria:

   (1) must be formulated with regard to the ESC cost allocation guidelines; and

   (2) must be designed to ensure, to the maximum practicable extent, consistency between cost allocation as required by the ESC distribution pricing determination and cost allocation in later regulatory control periods.

11.17.5 Modification of requirements related to cost allocation method

(a) Clause 6.15.4(a) applies to a Victorian Distribution Network Service Provider as if, instead of requiring submission of the provider's proposed Cost Allocation Method within 12 months after the commencement of Chapter 6, it required submission of the proposed Cost Allocation Method together with the first building block proposal to be submitted by the provider after the commencement of Chapter 6.

(b) The references in clauses 6.5.6(b)(2) and 6.5.7(b)(2) to the Cost Allocation Method are, if paragraph (a) is applicable, to be read as references to the proposed Cost Allocation Method submitted with the building block proposal.

(c) The AER must include in its framework and approach paper prepared for a Victorian Distribution Network Service Provider, in relation to the first building block proposal to be submitted by the provider after the commencement of Chapter 6, a statement of its likely approach to cost allocation based on the guidelines then in force.

(d) The AER:

   (1) must, in deciding under clause 6.15.4(c) whether to approve a Cost Allocation Method submitted by a Victorian Distribution Network Service Provider, have regard to previous cost allocation in accordance with the ESC distribution pricing determination; and

   (2) must not approve the Cost Allocation Method unless it allows effective comparison of historical and forecast cost allocation between the period to which the ESC distribution pricing determination applies and later regulatory control periods; and
(3) may, subject to the relevant Cost Allocation Guidelines, refuse to approve the Cost Allocation Method if it differs from the method previously used by the Victorian Distribution Network Service Provider.

11.17.6 AMI Order in Council

(a) Metering services that are regulated under the AMI Order in Council are not, while so regulated, subject to regulation under a distribution determination but, on cessation of regulation under the AMI Order in Council, are liable to regulation under a distribution determination.

(b) However, for a relevant regulatory control period, services to which exit fees under clause 7, or restoration fees under clause 8, of the AMI Order in Council applied are to be classified as alternative control services and are to be regulated by the AER on the same basis as applied under the AMI Order in Council.

(c) For paragraph (b), a relevant regulatory control period is a regulatory control period commencing on or after 1 January 2016 and before 1 January 2021.

(d) Until there is a transfer of regulatory responsibility from the ESC to the AER under a law of Victoria, clause 7.3.6(f) in its application to Victoria will be read as if it permitted the recovery of the costs to which it refers in accordance with a determination made either by the AER or by the ESC.

(e) This clause expires on 1 January 2021.

Part N Registration of Foreign Based Persons and Corporations as Trader Class Participants (2007 amendments)

11.18 Rules consequential on the making of the National Electricity Amendment (Registration of Foreign Based Persons and Corporations as Trader Class Participants) Rule 2007

11.18.1 Definitions

For the purposes of this rule 11.18:

Amending Rule means the National Electricity Amendment (Registration of Foreign Based Persons and Corporations as Trader Class Participants) Rule 2007.

commencement date means the day on which the Amending Rule commences operation.
11.18.2 Auction rules

(a) *NEMMCO* must amend the *auction rules* by 1 September 2008 in accordance with clause 3.18.3 to incorporate the amendments to the *Rules* made by the Amending Rule.

(b) Any action taken by *NEMMCO* prior to the commencement date, in anticipation of the commencement date, to amend the *auction rules* for the purpose of the Amending Rule is taken to satisfy the equivalent action under clause 3.18.3.

### Part O Process for Region Change (2007 amendments)

11.19 Rules consequent on making of the National Electricity Amendment (Process for Region Change) Rule 2007

11.19.1 Definitions


*commencement date* means the day on which the Amending Rule commences operation.

*old clause 3.5.5* means clause 3.5.5 of the *Rules* as in force immediately before the commencement date.

11.19.2 Regions Publication

The Regions Publication published by *NEMMCO* immediately before the commencement date in accordance with old clause 3.5.5 and clause 11.13.10 is taken to be the *Regions Publication published* by *NEMMCO* in accordance with clause 2A.1.3.

### Part P Integration of NEM Metrology Requirements

11.20 Rules consequential on the making of the National Electricity Amendment (Integration of NEM Metrology Requirements) Rule 2008

11.20.1 Definitions

For the purposes of this rule 11.20:

*Amending Rule* means the National Electricity Amendment (Integration of NEM Metrology Requirements) Rule 2008.
commencement date means the day on which the Amending Rule commences operation.

first-tier jurisdictional requirements publication means the publication published by NEMMCO in accordance with clause 11.20.6.

Minimalist Transitioning Approach has the same meaning as in the Queensland Electricity Industry Code.

new clause 7.3.1 means clause 7.3.1 of the Rules immediately after the commencement date.

Victorian first-tier load means a load in Victoria where the electricity flowing through the connection point is equal to, or greater than, 160 MWh per annum.

11.20.2 Metering installations for non-market generating units immediately prior to 30 June 2008

(a) A metering installation for a non-market generating unit that was installed immediately prior to 30 June 2008 and complied with the applicable jurisdictional requirements for that installation on 30 June 2008 is taken to satisfy the requirements for metering installations for non-market generating units in new clause 7.3.1.

(b) Where a metering installation for a non-market generating unit did not comply with the requirements referred to in paragraph (a), that installation must be repaired or replaced in accordance with the requirements of new clause 7.3.1.

(c) The applicable jurisdictional requirements for metering installations for non-market generating units referred to in paragraph (a) must be referred to in the first-tier jurisdictional requirements publication.

11.20.3 First-tier load metering installations

(a) Subject to clause 11.20.5, a first-tier load metering installation as at 30 June 2008 that complied with the applicable jurisdictional requirements for that installation as at that date is taken to comply with the Rules provided the metering installation continues to comply with the applicable jurisdictional requirements as at 30 June 2008.

(b) A first-tier load metering installation that does not satisfy the requirements of paragraph (a) must be repaired or replaced in accordance with the Rules.

(c) The applicable jurisdictional requirements referred to in paragraph (a) for first-tier load metering installations must be referred to in the first-tier jurisdictional requirements publication.
11.20.4 First-tier load metering installations in Victoria

(a) Subject to paragraph (b) and despite the Rules, a Market Participant who is responsible for a Victorian first-tier load with a type 5 or type 6 metering installation immediately before the commencement date is taken to be the responsible person for that metering installation.

(b) A Market Participant who is taken to be the responsible person for the metering installation referred to in paragraph (a) must ensure the metering installation meets the applicable jurisdictional requirements for that installation as referred to in the first-tier jurisdictional requirements publication in accordance with clause 11.20.3(c).

11.20.5 Minimalist Transitioning Approach in Queensland

For the duration of the Minimalist Transitioning Approach, clauses 7.2.3(i)(2), 7.2.5(b)(2), 7.2.5(d)(6) and 7.3.1(f) of the Rules do not apply in respect of a metering installation which:

(a) is the responsibility of a Market Participant or responsible person who is operating under the Minimalist Transitioning Approach in Queensland; and

(b) in accordance with the Market Settlement and Transfer Solution Procedures:

(1) has a NMI classification of SMALL; and

(2) the Local Network Service Provider has not received a valid request from a Market Customer for the NMI to be registered with NEMMCO.

11.20.6 First-tier jurisdictional requirements publication

(a) NEMMCO must, in consultation with the participating jurisdictions, publish a document (‘first-tier jurisdictional requirements publication’) that lists the documents that contain the applicable jurisdictional requirements referred to in clauses 11.20.2, 11.20.3 and 11.20.4.

(b) NEMMCO must publish the first-tier jurisdictional requirements publication by 30 June 2008.

11.20.7 Metrology procedure

(a) NEMMCO must make the required amendments to the metrology procedure as a result of the Amending Rule by 31 July 2008.

(b) All actions taken by NEMMCO prior to the commencement date to amend the metrology procedure in accordance with paragraph (a) are deemed to be valid as at the commencement date to the extent that those actions were
taken in accordance with the relevant requirements of rule 7.14 (as though the Amending Rule was in force at the time that the action was taken).

(c) The metrology procedure published in accordance with rule 7.14 immediately before the commencement date continues to apply as if the Amending Rule had not been made and until NEMMCO publishes the amended the metrology procedure in accordance with paragraph (a).

11.21 Rules consequential on the making of the National Electricity Amendment (NEM Reliability Settings: Information Safety Net and Directions) Rule 2008 No. 6

11.21.1 Definitions

In this rule 11.21:

Amending Rule means the National Electricity Amendment (NEM Reliability Settings: Information Safety Net and Directions) Rule 2008 No. 6.

Commencement date means the date the Amending Rule commences operation.

11.21.2 EAAP guidelines

All actions taken by NEMMCO prior to the commencement date in anticipation of the commencement date for the purposes of preparing and publishing the first EAAP guidelines as required by clause 3.7C(p) are taken to satisfy the equivalent actions required for EAAP guidelines under rule 3.7C.

11.21.3 NEMMCO procedures for exercising RERT

(a) All actions taken by NEMMCO prior to the commencement date in anticipation of the commencement date for the purposes of developing and publishing the procedures for the exercise of the RERT as required by clause 3.20.7(e) are taken to satisfy the equivalent actions required for the procedures under clause 3.20.7.

(b) NEMMCO may develop, publish, and may amend from time to time, interim procedures for the exercise of the RERT under rule 3.20 at any time before it publishes the first procedures for that purpose as required by clause 3.20.7(e). For these purposes:

(1) NEMMCO is not required to develop, publish or amend those interim procedures in accordance with the Rules consultation procedures;

(2) those interim procedures must take into account the RERT principles and RERT guidelines or, if there are no RERT guidelines in existence at that time, the draft guidelines referred to in clause 11.21.4(b);
(3) those interim procedures must include measures as referred to in clause 3.20.7(e);

(4) those interim procedures will cease to apply when NEMMCO publishes the first procedures for the exercise of the RERT as required by clause 3.20.7(g); and

(5) for so long as those interim procedures apply, references in rule 3.20 to the procedures referred to in clause 3.20.7(e) are taken to include references to those interim procedures.

11.21.4 RERT guidelines

(a) All actions taken by the Reliability Panel prior to the commencement date in anticipation of the commencement date for the purposes of developing and publishing the first RERT guidelines as required by clause 3.20.8(c) are taken to satisfy the equivalent actions required for RERT guidelines under clause 3.20.8.

(b) If it exercises the RERT under rule 3.20 prior to the publication of the first RERT guidelines as required by clause 3.20.8(c), NEMMCO must take into account the draft guidelines set out in Appendix C.3 to the document entitled 'Comprehensive Reliability Review: Second Interim Report' issued by the Reliability Panel and dated August 2007.

11.21.5 Timetable

(a) NEMMCO must amend the timetable in accordance with clause 3.4.3(b) to take into account the Amending Rule and those amendments are to take effect from the commencement date.

(b) All actions taken by NEMMCO prior to the commencement date in anticipation of the commencement date to amend the timetable as required by paragraph (a) are taken to satisfy the equivalent action required under clause 3.4.3(b).

11.21.6 Power system security and reliability standards

(a) The Reliability Panel must amend the power system security and reliability standards in accordance with clause 8.8.3 to take into account the Amending Rule and those amendments are to take effect from the commencement date.

(b) All actions taken by the Reliability Panel prior to the commencement date in anticipation of the commencement date to amend the power system security and reliability standards as required by paragraph (a) are taken to satisfy the equivalent action required under clause 8.8.3.
11.21.7 Report on statement of opportunities

All actions taken by NEMMCO prior to the commencement date in anticipation of the commencement date for the purposes of preparing and providing a report to the Reliability Panel as required by clause 3.13.3(u) are taken to satisfy the equivalent actions required for preparing and providing a report under clause 3.13.3(u).

11.21.8 Methodology for dispatch prices and ancillary services prices

Minor or administrative amendments made by NEMMCO to the methodology for determining dispatch prices and ancillary service prices developed in accordance with clause 3.9.3(e) prior to the commencement date are taken to have been made under clause 3.9.3(g).

Part R Compensation Arrangements under Administered Pricing

11.23 Rules consequential on the making of National Electricity Amendment (Compensation Arrangements under Administered Pricing) Rule 2008

11.23.1 Definitions

In this rule 11.23:

Amending Rule means the National Electricity Amendment (Compensation Arrangements under Administered Pricing) Rule 2008.

commencement date means the date the Amending Rule commences operation.

11.23.2 Compensation Guidelines

All actions taken by the AEMC prior to the commencement date in anticipation of the commencement date for the purposes of developing and publishing the first compensation guidelines as required by clause 3.14.6(e) are taken to satisfy the equivalent actions required for compensation guidelines under clause 3.14.6(f).