

## Commencement Notice: Wholesale Electricity Market Rules

Amending Rules RC\_2013\_15

**These Amending Rules were made under the *Electricity Industry Act 2004* and the *Electricity Industry (Wholesale Electricity Market) Regulations 2004* on 26 August 2019.**

**These Amending Rules commence at 8:00 AM on 1 February 2020.**

The following clauses are amended (~~deleted wording~~, new wording):

2.34.4. Notwithstanding clauses 2.34.2 and 2.34.3, a Rule Participant is not required to notify AEMO of changes to Standing Data where the changes reflect a temporary change in the capacity or capability of a Registered Facility resulting from a Planned Outage, Forced Outage or Consequential Outage.

...

3.18.1. Where a reference is made to an outage of a Facility or item of equipment in ~~clauses 3.18, 3.19, 3.20 and 3.24~~ this section 3.18 and sections 3.19, 3.20 and 3.21, this includes partial and complete outages and de-ratings of the Facility or item of equipment.

3.18.1A. The obligations specified in this section 3.18 and sections 3.19 and 3.21 to request or report Outages do not apply to Market Participants in respect of an outage of a Non-Scheduled Generator if the average MW de-rating over the relevant Trading Interval is less than:

$$\min(0.1 \times \text{Nameplate\_Capacity}, 10)$$

where Nameplate Capacity is the MW quantity provided for the Non-Scheduled Generator under Appendix 1(e)(ii).

3.18.1B. For the purposes of this section 3.18 and section 3.19, capacity or capability associated with an Outage Facility is deemed to be unavailable for service in a Trading Interval if the capacity or capability could not, in response to an instruction or direction to the Market Participant or Network Operator from System Management that was consistent with:

- (a) the Outage Facility's Equipment Limits;
- (b) any relevant limits or information relating to the capacity or capability of an Outage Facility provided to System Management in accordance with the Power System Operation Procedure referred to in clause 2.28.3A(a); or
- (c) any relevant limits specified in an Ancillary Service Contract,

(as applicable), be used to provide the relevant service expected from the capacity or capability of the Outage Facility. To avoid doubt, capacity of a Non-Scheduled Generator is not deemed to be unavailable for service because of a shortfall of the intermittent energy source used by the Non-Scheduled Generator to generate electricity.

3.18.2.

- ~~(a) System Management must compile, and publish, a list of all equipment on the SWIS that is required to be subject to outage scheduling by System Management. The list must also include equipment for which System Management requires notice of partial outages or de-ratings.~~
- (a) System Management must maintain and publish on the Market Web Site a list of all equipment on the SWIS that it determines should be subject to outage scheduling in accordance with this section 3.18 and sections 3.19, 3.20 and 3.21 (“Equipment List”).
- ~~(b) System Management must review the list described in clause 3.18.2(a) from time to time and may update the list. System Management must publish any such updates.~~
- (b) System Management must, as soon as practicable after it becomes aware of an error relating to the Equipment List, or otherwise determines that a change is required to the Equipment List, update the Equipment List to address the error or reflect the change and publish the updated Equipment List on the Market Web Site.
- ~~(c) The list described in clause 3.18.2(a) Equipment List must include:~~
- ~~i. all transmission network Registered Facilities;~~
  - i. any part of a transmission system (however defined by System Management) that could limit the output of a generation system that System Management has included on the Equipment List;
  - ~~ii. all Registered Facilities holding Capacity Credits, except those to which clause 3.18.2A applies;~~
  - ii. all Scheduled Generators holding Capacity Credits;
  - iii. all Non-Scheduled Generators holding Capacity Credits with a Standing Data nameplate capacity that equals or exceeds 10 MW;
  - ~~iiA.iv. all generation systems to which clause 2.30B.2(a) relates, except those to which clause 3.18.2A applies with a nameplate capacity that equals or exceeds 10 MW;~~
  - ~~iii.v. all Registered Facilities subject to an Ancillary Services Service Contract; and~~
  - ~~iv.vi. any other equipment that System Management determines must be subject to outage scheduling to maintain Power System Security and Power System Reliability.~~
- ~~(d) The list described in clause 3.18.2(a) Equipment List may specify that a piece of equipment on the list an Equipment List Facility is subject to~~

outage scheduling by System Management only at certain times of the year.

- (e) [Blank]
- ~~(f) If a Market Participant's or Network Operator's Facility (or an item of equipment forming part of that Facility) is on the list described in clause 3.18.2(a), then the Market Participant or Network Operator, as applicable, must schedule outages for the equipment in accordance with this clause 3.18 and clauses 3.19, 3.20 and 3.21.~~
- (f) A Market Participant or a Network Operator must schedule outages for each of its Equipment List Facilities in accordance with this section 3.18 and sections 3.19, 3.20 and 3.21.
- (g) A Market Generator who provides an Ancillary Service under an Ancillary Service Contract must schedule outages in respect of both:
  - i. the capacity of the Facility to provide sent out energy; and
  - ii. for each applicable Ancillary Service Contract, the capacity or capability of the Facility to provide the contracted Ancillary Service.

#### 3.18.2A.

- ~~(a) Except where clause 3.18.2(c)(iv) applies, Registered Facilities with a Standing Data nameplate capacity of less than 10 MW and generation systems to which clause 2.30B.2(a) relates and which have a nameplate capacity of less than 10 MW are not required to schedule outages for that equipment in accordance with this clause 3.18 and clauses 3.19 and 3.20 other than as required by this clause 3.18.2A.~~
- (a) If a generation system:
  - i. is a Scheduled Generator, a Non-Scheduled Generator or a generation system to which clause 2.30B.2(a) relates; and
  - ii. is not required to be included on the Equipment List under clause 3.18.2(c),

then the relevant Market Participant is not required to schedule outages in accordance with this section 3.18 and sections 3.19 and 3.20 for that generation system ("**Self-Scheduling Outage Facility**") other than as required by this clause 3.18.2A.
- ~~(b) If clause 3.18.2A(a) applies to a Market Participant's Facility or generation system then that Market Participant must notify System Management of proposed Planned Outages of that Facility or generation system not less than 2 Business Days prior to their commencement and must specify the duration of the Planned Outage;~~
- (b) Subject to clause 3.18.2A(i), a Market Participant must notify System Management of a proposed Planned Outage of its Self-Scheduling Outage Facility if, and only if, the Market Participant intends that some or all of the capacity of its Self-Scheduling Outage Facility will be unavailable for service for a period for the purpose of Outage Facility Maintenance.

- ~~(c) Where System Management is advised of a proposed Planned Outage in accordance with clause 3.18.2A(b) then System Management must record that outage as an approved Planned Outage.~~
- (c) The notice under clause 3.18.2A(b) must be given:
- i. for an outage exceeding 24 hours in duration, no later than 10:00 AM on the day prior to the Scheduling Day for the Trading Day in which the proposed Planned Outage is due to commence; and
  - ii. for an outage of up to 24 hours in duration, no later than 30 minutes before Balancing Gate Closure for the Trading Interval in which the proposed Planned Outage is due to commence.
- (d) The notice under clause 3.18.2A(b) must include the information specified in clause 3.18.6.
- (e) System Management is deemed to have approved each proposed Planned Outage for a Self-Scheduling Outage Facility that is notified under clauses 3.18.2A(b) or 3.18.2A(g) and in accordance with clauses 3.18.2A(c) and 3.18.2A(d). The deemed approval takes effect when System Management receives the notice.
- (f) Where a Market Participant no longer intends that the relevant capacity of its Self-Scheduling Outage Facility will be unavailable for service for the purpose of Outage Facility Maintenance it must inform System Management and withdraw the notice of the proposed Planned Outage as soon as practicable.
- (g) Subject to clause 3.18.2A(h), if a Market Participant becomes aware of any changes to the information provided to System Management in a notice of a proposed Planned Outage for a Self-Scheduling Outage Facility, then the Market Participant must, as soon as practicable, submit a revised notice to System Management for the Self-Scheduling Outage Facility that complies with the requirements of a notice of a proposed Planned Outage for a Self-Scheduling Outage Facility in this clause 3.18.2A.
- (h) A Market Participant must not submit a revised notice of a proposed Planned Outage to System Management for a Self-Scheduling Outage Facility that proposes:
- i. a new start time for the proposed Planned Outage that is earlier than the previous proposed start time;
  - ii. a new end time for the proposed Planned Outage that is later than the previous proposed end time; or
  - iii. an increase in the quantity of de-rating.
- (i) Subject to clause 3.19.2G, a Market Participant must not notify System Management of a proposed Planned Outage of its Self-Scheduling Outage Facility in accordance with clause 3.18.2A(b) if the Market Participant is aware, or ought to be aware in the circumstances that, if the proposed Planned Outage did not proceed, any of the relevant capacity would be

unavailable for service for any part of the proposed outage period for any reason other than that a deadline for completion of Mandatory Routine Maintenance would pass before the end of the proposed outage period.

3.18.3.

- (a) If a Market Participant's or Network Operator's Facility (or an item of equipment forming part of a Facility or an item of equipment which is a generation system to which clause 2.30B.2(a) relates) is on the ~~list described in clause 3.18.2(a)~~ Equipment List, then the Market Participant or Network Operator may request that the Economic Regulation Authority reassess the inclusion of the Facility or item of equipment on the ~~list~~ Equipment List in accordance with this clause 3.18.3.
- (b) Following a request by a Market Participant or Network Operator under clause 3.18.3(a), the Economic Regulation Authority must consult with System Management and the Market Participant or Network Operator concerning whether the ~~Facility or item of equipment~~ Equipment List Facility should remain on the ~~list~~ Equipment List.
- (c) The Economic Regulation Authority may give a direction to System Management that ~~a Facility or item of equipment~~ an Equipment List Facility should not remain on the ~~list~~ Equipment List where it finds that:
  - i. System Management has not followed the Market Rules or the Power System Operation Procedure specified in clause 3.18.21 in ~~compiling~~ determining the ~~list~~ under clause 3.18.2 Equipment List; and
  - ii. if the Market Rules and the Power System Operation Procedure specified in clause 3.18.21 had been followed, then the ~~Facility or item of equipment~~ Equipment List Facility would not have been on the ~~list~~ Equipment List.
- (d) ~~Where~~ if the Economic Regulation Authority gives a direction to System Management that ~~the Facility or item of equipment does not need to remain on the list,~~ under clause 3.18.3(c), then System Management must, as soon as practicable, remove the Facility or item relevant Equipment List Facility from the ~~list~~ Equipment List and publish the updated Equipment List on the Market Web Site.

~~3.18.4. System Management must maintain an outage schedule, containing information on all Scheduled Outages.~~

3.18.4. System Management must maintain an outage schedule that contains details of each Outage Plan:

- (a) that System Management has accepted under clause 3.18.13; or
- (b) that the Economic Regulation Authority has directed System Management under clause 3.18.15(f) to include in the outage schedule.

3.18.4A. A proposal submitted to System Management in accordance with this ~~clause~~ section 3.18 by a Market Participant or Network Operator in which permission is

sought from System Management for the scheduling of the removal from service (or derating) of an item of equipment some or all of the capacity or capability of an Equipment List Facility to be unavailable for service for a period is a proposed outage plan (“**Outage Plan**”).

3.18.5. Market Participants:

- (a) must, subject to clause 3.18.5A, submit to System Management details of a proposed Outage Plan at least one year but not more than three years in advance of the proposed outage, where:
  - i. the outage relates to ~~a Facility or item of equipment~~ an Equipment List Facility in respect of which a Market Participant holds Capacity Credits at any time during the proposed outage;
  - ii. ~~the Facility or item of equipment~~ Equipment List Facility has a nameplate capacity greater than 10 MW; and
  - iii. the proposed outage has a duration of more than one week; and
- (b) otherwise may submit an Outage Plan to System Management not more than three years and not less than two days in advance of the proposed outage.

...

3.18.5C. Where a Network outage is likely to unduly impact the operation of one or more Market Participant Registered Facilities, System Management may require that, in developing their Outage Plans, the relevant Network Operator and affected Market Participants coordinate the timing of their outages so as to minimise the impact of the Network outage on the operation of the Market Participant Registered Facilities.

~~3.18.5D. Notwithstanding the requirements in chapter 10, in exercising the obligation set out in clause 3.18.5C, System Management may make such information in the outage schedule maintained in accordance with clause 3.18.4 available to a Network Operator to coordinate outage timing.~~

3.18.5D. Subject to clauses 3.18.5E and 3.19.2G, a Market Participant or Network Operator must not submit an Outage Plan to System Management if it is aware or ought to be aware in the circumstances that, if System Management rejected the Outage Plan, any of the capacity or capability to which the Outage Plan applies would be unavailable for service for any part of the relevant outage period.

3.18.5E. A Market Participant or Network Operator is not required to comply with clause 3.18.5D in respect of an Outage Plan provided that:

- (a) the purpose of the proposed outage is to conduct Mandatory Routine Maintenance;
- (b) the applicable deadline for the proposed Mandatory Routine Maintenance falls within the proposed outage period;



- (c) the Market Participant or Network Operator is aware that if the Mandatory Routine Maintenance is not undertaken before or during the proposed outage period then some or all of the capacity or capability to which the Outage Plan applies will be unavailable for service for part of the proposed outage period because the applicable deadline for the Mandatory Routine Maintenance will have passed;
- (d) the Market Participant or Network Operator is not aware of any other reason why, if System Management rejected the Outage Plan, any of the capacity or capability to which the Outage Plan applies would be unavailable for service for any part of the proposed outage period; and
- (e) the Market Participant or Network Operator includes in the Outage Plan that the Outage Plan is submitted under this clause 3.18.5E.

3.18.6. The information submitted in an Outage Plan, a notice of a proposed Planned Outage of a Self-Scheduling Outage Facility submitted in accordance with clause 3.18.2A, or a request for approval of Opportunistic Maintenance must include:

- (a) the identity of the ~~Facility or item of equipment~~ Outage Facility that will be unavailable;
- (b) the quantity of any de-rating where, if the Outage Facility is a generating system, this quantity is in accordance with clause 3.21.5;
- (c) the reason for the outage;
- (d) the proposed start and end times of the outage;
- (e) an assessment of risks that might extend the outage;
- (f) details of the time it would take the ~~Facility or item of equipment~~ Outage Facility to return to service, if required;
- (g) contingency plans for the early return to service of the ~~Facility or item of equipment~~ Outage Facility ("**Outage Contingency Plans**"); and
- (h) if the Outage Plan is submitted by a Network Operator, if a Network Operator submits either an Outage Plan or a request for approval of Opportunistic Maintenance, a confirmation that the Network Operator has used its best endeavours to inform any Market Generator with a Scheduled Generator or Non-Scheduled Generator impacted by the unavailability of the relevant ~~item of equipment~~ Outage Facility of the proposed outage.

3.18.6A. A Market Participant or Network Operator must not submit an Outage Plan if it is aware or ought to have been aware in the circumstances that it would not be able to complete the proposed Outage Facility Maintenance and make the relevant capacity or capability available for service by the end of the proposed outage period.

3.18.7. Outage Plans submitted by a Market Participant or Network Operator must represent the good faith intention of the Market Participant or Network Operator ~~to remove from service, or de-rate, the relevant Facility or item of equipment, for maintenance~~ that the relevant capacity or capability of its Equipment List Facility

will be unavailable for service for the duration of the outage period described in clause 3.18.6(d) for the purpose of Outage Facility Maintenance.

...

- 3.18.8. Where a Market Participant or Network Operator no longer plans to remove from service, or de-rate, the relevant Facility or item of equipment, for maintenance intends that the relevant capacity or capability of its Equipment List Facility will be unavailable for service for the purpose of Outage Facility Maintenance it must inform System Management and withdraw the relevant Outage Plan as soon as practicable.
- 3.18.9. Where a Market Participant or Network Operator intends to remove from service, or de-rate, the relevant Facility or item of equipment, for maintenance at a different time than indicated in an Outage Plan, it must submit a revised Outage Plan to System Management as soon as practicable. Subject to clause 3.18.9A, if a Market Participant or Network Operator becomes aware of any changes to the information provided to System Management in an Outage Plan, then the Market Participant or Network Operator must as soon as practicable submit a revised Outage Plan to System Management for the relevant Equipment List Facility that complies with the requirements of an Outage Plan in this section 3.18.
- 3.18.9A. A Market Participant or Network Operator must not submit a revised Outage Plan to System Management that proposes:
- (a) a new start time for the proposed outage that is earlier than the previous proposed start time;
  - (b) a new end time for the proposed outage that is later than the previous proposed end time; or
  - (c) an increase in the quantity of de-rating.
- 3.18.9B. Subject to clauses 3.18.10C and 3.19.2G, if a Market Participant or Network Operator becomes aware, or ought to have become aware in the circumstances, that, if System Management rejected an Outage Plan for its Equipment List Facility, any of the capacity or capability to which the Outage Plan applies would be unavailable for service for any part of the proposed outage period, then the Market Participant or Network Operator must either:
- (a) as soon as practicable, submit a revised Outage Plan to System Management for the Equipment List Facility that amends the proposed outage period or reduces the quantity of de-rating (or both) to meet the requirements of clause 3.18.5D; or
  - (b) as soon as practicable:
    - i. notify System Management; and
    - ii. if System Management has not yet scheduled the Outage Plan for the Equipment List Facility in its outage schedule, withdraw the Outage Plan.



3.18.10. Subject to clauses 3.18.10A and 3.18.10B, System Management must use a risk assessment process using the criteria set out in clause 3.18.11 to evaluate Outage Plans:

- (a) when an Outage Plan is received or revised; and
- (b) on an ongoing basis as part of the Medium Term PASA and Short Term PASA studies.

3.18.10A. Subject to clauses 3.18.10C and 3.19.2G, System Management must not schedule a new Outage Plan in its outage schedule if it is aware, or ought to be aware based on information that it has and any readily available confirmatory information, that, if it rejected the Outage Plan, any of the capacity or capability to which the Outage Plan applies would be unavailable for service for any part of the proposed outage period.

3.18.10B.If, at the time System Management begins its evaluation of a new Outage Plan:

(a) the relevant capacity or capability is subject to a Planned Outage for which System Management has received a notification under clauses 3.18.9B(b)(i) or 3.19.2F(b)(i);

(b) the relevant capacity or capability is subject to a Planned Outage for which System Management is aware that it should have received a notification under clauses 3.18.9B(b)(i) or 3.19.2F(b)(i) from the Market Participant or Network Operator; or

(c) the relevant capacity or capability is subject to a Forced Outage,

then System Management must delay its evaluation of the Outage Plan until:

(d) the relevant capacity or capability is returned to service; or

(e) System Management receives evidence to its satisfaction from the Market Participant or Network Operator that the relevant capacity or capability would be capable of being made available for service before the start of the proposed outage period in the Outage Plan.

3.18.10C. If a Market Participant or Network Operator submits an Outage Plan under clause 3.18.5E then:

(a) System Management must not refuse to schedule the Outage Plan in its outage schedule under clause 3.18.10A because the Mandatory Routine Maintenance will not be completed before the applicable deadline for that Mandatory Routine Maintenance; and

(b) the Market Participant or Network Operator is not required to take action under clause 3.18.9B because the Mandatory Routine Maintenance will not be completed before the applicable deadline for that Mandatory Routine Maintenance.

3.18.11. System Management must apply the following criteria when evaluating Outage Plans:

- (a) the capacity of the total generation and Demand Side Management Facilities remaining in service must be greater than the second deviation load forecast published in accordance with clause 3.16.9(a)(iii) or clause 3.17.9(a)(iii), as applicable;
- (aA) the total capacity of the generation Facilities remaining in service, and System Management's reasonable forecast of the total available Demand Side Management, must satisfy the Ready Reserve Standard described in clause 3.18.11A;
- (b) the transmission system and distribution system capacity or capability remaining in service must be capable of allowing the dispatch of the capacity referred to in clause 3.18.11(a);
- (c) the Facilities remaining in service must be capable of meeting the applicable Ancillary Service Requirements;
- (d) the Facilities remaining in service must allow System Management to ensure the power system is operated within the Technical Envelope; and
- (e) notwithstanding the criteria set out in clause 3.18.11(a) to (d), System Management may allow an outage to proceed if it considers that preventing the outage would pose a greater threat to Power System Security or Power System Reliability over the long term than allowing the outage.

...

3.18.14. System Management must use the following criteria when making a decision referred to in clause 3.18.13(d)(ii), in descending order of priority:

- (a) System Management must give priority to the criteria in clause 3.18.11;
- (b) System Management must give priority to Outage Plans that have previously been scheduled in System Management's outage schedule, in the order in which they were entered into the schedule. ~~For the purposes of this clause an Outage Plan which has been entered into the outage schedule and has subsequently been revised in accordance with clause 3.18.9 is considered to have been entered into the schedule on the date the most recent revision of the Outage Plan was submitted under that clause;~~
- (c) System Management must have regard to the technical reasons for the requested ~~maintenance~~ Outage Facility Maintenance, the technical implications for the relevant equipment if the ~~maintenance~~ Outage Facility Maintenance is not carried out and a reasonable duration for ~~maintenance~~ Outage Facility Maintenance carried out for those reasons; and
- (d) System Management must give priority to Outage Plans that would be more difficult to reschedule, including considering the amount of capacity or capability that would be taken out of service and the duration of the outage.

3.18.15. Where System Management informs a Market Participant or Network Operator that an Outage Plan has not been scheduled or has been removed from System Management's outage schedule under clause 3.18.13(d)(ii), the Market Participant

or Network Operator may apply to the Economic Regulation Authority to reassess the decision in accordance with the following procedures:

- (a) A Market Participant or Network Operator can only apply for the Economic Regulation Authority to reassess a decision on the grounds that System Management has not followed the Market Rules or the Power System Operation Procedure specified in clause 3.18.21;
- (b) The Market Participant or Network Operator must submit a written application to the Economic Regulation Authority, and forward a copy to System Management, stating the reasons why it considers that System Management's decision under clause 3.18.13(d)(ii) should be reassessed and providing any supporting evidence:
  - i. within ten Business Days of being informed of System Management's decision; and
  - ii. no later than five Business Days prior to the date when the outage would have commenced.
- (c) Until the Economic Regulation Authority completes its reassessment, System Management's decision continues to have effect and System Management and the Market Participant or Network Operator must continue to plan their operations on this basis.
- (d) System Management must submit records relating to System Management's outage schedule around the date of the relevant outage to the Economic Regulation Authority within two Business Days of being informed of the Market Participant's or Network Operator's application under ~~paragraph (b)~~ clause 3.18.15(b).
- (e) The Economic Regulation Authority must consult with System Management and the Market Participant or Network Operator concerning the Outage Plan, and must make a complete reassessment by the earlier of:
  - i. ten Business Days of receiving the application under ~~paragraph (b)~~ clause 3.18.15(b); or
  - ii. two Business Days prior to the date when the outage would have commenced.
- (f) The Economic Regulation Authority may give a direction to System Management that the Outage Plan should be scheduled in System Management's outage schedule where it finds that:
  - i. System Management has not followed the Market Rules or the Power System Operation Procedure specified in clause 3.18.21; and
  - ii. if the Market Rules and the Power System Operation Procedure specified in clause 3.18.21 had been followed, then the Outage Plan would have been scheduled; and
- (g) Where the Economic Regulation Authority gives a direction to System Management that the Outage Plan should be scheduled in System

Management's outage schedule, System Management must schedule it into the outage schedule in accordance with the direction.

3.18.16. Where System Management informs a Market Participant or Network Operator that an Outage Plan is unacceptable, and the Economic Regulation Authority does not give System Management a direction under clause 3.18.15(f), then System Management and the Market Participant or Network Operator must use their best endeavours to agree an alternative time for the relevant outage, and System Management must schedule the alternative time in its outage schedule.

3.18.17. System Management must keep records of all of its outage evaluations and decisions made in accordance with this ~~clause~~ section 3.18, together with the reasons for each outage evaluation and decision.

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3.18.20. If the Economic Regulation Authority recommends any changes in the report in clause 3.18.19, the Economic Regulation Authority must either submit a Rule Change Proposal in accordance with clause 2.5.1 or initiate a Procedure Change Process in accordance with ~~clause~~ section 2.10, as the case may be.

...

~~3.19.1. No later than two days prior to the date of commencement of any outage (“**Scheduled Outage**”) in System Management’s outage schedule, the Market Participant or Network Operator involved must request that System Management approve the Scheduled Outage proceeding, specifying the Trading Day and Trading Intervals during which the Scheduled Outage will occur.~~

3.19.1. No later than 10:00 AM on the day prior to the Scheduling Day for the Trading Day in which a Scheduled Outage is due to commence, the relevant Market Participant or Network Operator must request that System Management approve the Scheduled Outage to proceed.

3.19.2. Subject to clause 3.19.2B, Market Participants and Network Operators may request that System Management approve an outage of a Facility or item of equipment an Equipment List Facility that is not a Scheduled Outage (“**Opportunistic Maintenance**”) to be carried out during a Trading Day;

~~(a) at any time between 10:00 AM on the day prior to the Scheduling Day and 10:00 AM on the Scheduling Day for that Trading Day, where the request relates to an outage to occur at any time and for any duration during the following Trading Day; or~~

(a) at any time between:

i. 10:00 AM on the day prior to the Scheduling Day for the Trading Day in which the requested outage is due to commence; and

ii. 30 minutes before Balancing Gate Closure for the Trading Interval in which the requested outage is due to commence, and

- (b) ~~at any time on the Trading Day not later than 1 hour prior to the commencement of the Trading Interval during which the requested outage is due to commence, where:~~
- ~~i. the requested outage must be is to allow minor maintenance Outage Facility Maintenance to be performed;~~
  - ~~ii. the outage must not require any changes in scheduled energy or ancillary services; and~~
  - ~~iii. the outage may be for any duration and must end before the end of the Trading Day;~~
  - ~~ii. the duration of the requested outage does not exceed 24 hours;~~
  - ~~iii. the outage period is separated by at least 24 hours from any other Opportunistic Maintenance outage period for the Equipment List Facility; and~~
  - ~~iv. the request includes the information specified in clause 3.18.6.~~

~~where the request must include all of the information specified in clause 3.18.6, and must specify the Trading Intervals during which the Opportunistic Maintenance will occur.~~

3.19.2A. If:

- ~~(a) a Market Participant or Network Operator intends that some or all of an Equipment List Facility's capacity or capability will be unavailable for service for a period for the purpose of Outage Facility Maintenance; and~~
- ~~(b) the Market Participant or Network Operator is not prohibited from submitting an Outage Plan under clause 3.18.5D or a request for approval of Opportunistic Maintenance under clause 3.19.2B (as applicable) for the proposed outage.~~

~~then the Market Participant or Network Operator must request approval for a Scheduled Outage or Opportunistic Maintenance from System Management in accordance with section 3.18 and this section 3.19.~~

3.19.2B. Subject to clause 3.19.2G, a Market Participant or Network Operator must not request approval of Opportunistic Maintenance under clause 3.19.2 if the Market Participant or Network Operator is aware or ought to be aware in the circumstances that, if System Management rejected the request, any of the capacity or capability to which the request applies would be unavailable for service for any part of the relevant outage period.

3.19.2C. Where a Market Participant or Network Operator no longer intends to proceed with Opportunistic Maintenance that was requested under this section 3.19, it must inform System Management and withdraw the request as soon as practicable.

3.19.2D. Subject to clause 3.19.2E, if a Market Participant or Network Operator becomes aware of any changes to the information provided to System Management in a request for approval of Opportunistic Maintenance, then the Market Participant or Network Operator must submit a revised request to System Management for the

relevant Equipment List Facility as soon as practicable in accordance with the requirements of a request for approval of Opportunistic Maintenance in this section 3.19.

3.19.2E. A Market Participant or Network Operator must not submit a revised request for approval of Opportunistic Maintenance that proposes:

- (a) a new start time for the Opportunistic Maintenance that is earlier than the previous proposed start time;
- (b) a new end time for the Opportunistic Maintenance that is later than the previous proposed end time; or
- (c) an increase in the quantity of de-rating.

3.19.2F. Subject to clause 3.19.2G, if a Market Participant or Network Operator becomes aware, or ought to have become aware in the circumstances, that, if System Management rejected a request for approval of Opportunistic Maintenance for its Equipment List Facility, any of the capacity or capability to which the request applies would be unavailable for service for any part of the proposed outage period, then the Market Participant or Network Operator must either:

- (a) as soon as practicable, submit a revised request to System Management for the Equipment List Facility that amends the proposed outage period or reduces the quantity of de-rating (or both) to meet the requirements of clause 3.19.2B; or
- (b) as soon as practicable:
  - i. notify System Management; and
  - ii. withdraw the request for approval of Opportunistic Maintenance if System Management has not yet approved it.

3.19.2G. Clauses 3.18.2A(i), 3.18.5D, 3.18.9B, 3.18.10A, 3.19.2B, 3.19.2F and 3.19.3B do not apply where:

- (a) the proposed Planned Outage will immediately follow a Planned Outage of the relevant capacity or capability, and System Management has not received a notification under clauses 3.18.9B(b)(i) or 3.19.2F(b)(i) in respect of the earlier Planned Outage; or
- (b) System Management or the Market Participant or Network Operator (as applicable):
  - i. is aware that the relevant capacity or capability would be subject to a Consequential Outage if the proposed Planned Outage did not proceed; and
  - ii. is not aware of any other reason why any part of the relevant capacity or capability would be unavailable for service for any part of the relevant outage period if the proposed Planned Outage did not proceed.

3.19.2H. If, at the time a Market Generator submits a request for approval of Opportunistic Maintenance for a Scheduled Generator:

- (a) the Facility is not synchronised; and
- (b) the proposed start time for the maintenance work that is the subject of the request is before the time when the Facility could be synchronised in accordance with its relevant Equipment Limits,

then the Market Generator may exclude from the start of the proposed outage period in its request any Trading Intervals during which the Facility could not be synchronised in accordance with its Equipment Limits, provided that the Market Generator:

- (c) does not start the maintenance work that is the subject of the request until the request is approved by System Management; and
- (d) immediately withdraws the request if System Management has not approved the request prior to the Trading Interval in which the maintenance work that is the subject of the request is intended to commence.

3.19.3. Subject to clauses 3.19.3A, 3.19.3B and 3.19.3C, System Management must assess the request for approval of a Scheduled Outage or Opportunistic Maintenance, based on the information available to System Management at the time of the assessment, and applying the criteria set out in clause 3.19.6.

3.19.3A. In assessing whether to grant a request for Opportunistic Maintenance, System Management:

- (a) must not grant permission for Opportunistic Maintenance to begin prior to the first Trading Interval for which Opportunistic Maintenance is requested; and
- (b) ~~[Blank] must not approve Opportunistic Maintenance for a Facility or item of equipment on two consecutive Trading Days;~~
- (c) ~~[Blank] may decline to approve Opportunistic Maintenance for a Facility or item of equipment where it considers that the request has been made principally to avoid exposure to Capacity Cost Refunds as described in clause 4.26 rather than to perform maintenance; and~~
- (d) may decline to approve Opportunistic Maintenance for a facility where it considers that inadequate time is available before the proposed commencement time of the outage to adequately assess the impact of that outage.

3.19.3B. Subject to clause 3.19.2G, System Management must not approve an Opportunistic Maintenance request for an Equipment List Facility if it is aware, or ought to be aware based on information that it has and any readily available confirmatory information, that, if it rejected the request, any of the capacity or capability to which the request applies would be unavailable for service for any part of the proposed outage period.



3.19.3C. If, at the time a Market Participant or Network Operator submits a request for approval of Opportunistic Maintenance under clause 3.19.2:

- (a) the relevant capacity or capability is subject to a Planned Outage for which System Management has received a notification under clauses 3.18.9B(b)(i) or 3.19.2F(b)(i);
- (b) the relevant capacity or capability is subject to a Planned Outage for which System Management is aware that it should have received a notification under clauses 3.18.9B(b)(i) or 3.19.2F(b)(i) from the Market Participant or Network Operator; or
- (c) the relevant capacity or capability is subject to a Forced Outage, then System Management must delay its assessment of the request until:
- (d) the relevant capacity or capability becomes available for service; or
- (e) System Management receives evidence to its satisfaction from the Market Participant or Network Operator that the relevant capacity or capability would be capable of being made available for service before the start of the proposed Opportunistic Maintenance.

3.19.4. System Management must either approve or reject ~~the~~ a request for approval of a Scheduled Outage or Opportunistic Maintenance, subject to clause 3.19.3C, and inform the Market Participant or Network Operator of its decision as soon as practicable.

3.19.4A. If System Management does not provide a Market Participant or Network Operator with its decision on a request for approval of a Scheduled Outage or Opportunistic Maintenance:

- (a) for Scheduled Outages, by 2:00 PM on the day prior to the Scheduling Day for the Trading Day in which the Scheduled Outage is proposed to commence; or
- (b) for Opportunistic Maintenance, by 30 minutes before Balancing Gate Closure for the Trading Interval during which the Opportunistic Maintenance is proposed to commence,

then the request for approval of the Scheduled Outage or Opportunistic Maintenance is deemed to be rejected.

...

3.19.6. System Management must use the following criteria when considering approval of Scheduled Outages or Opportunistic Maintenance:

- (a) the capacity of the generation Facilities remaining in service, and System Management's reasonable forecast of the total available Demand Side Management, must be greater than the load forecast for the relevant time period;
- (b) the Facilities remaining in service must be capable of meeting the Ancillary Service Requirements;

- (c) the Facilities remaining in service must allow System Management to ensure the power system is operated within the Technical Envelope;
- (d) where a group of outages when considered together, do not meet the criteria set out in clause 3.19.6(a) to (c), then System Management should give priority:
  - i. to outages ~~Scheduled~~ scheduled in System Management's outage schedule more than one month ahead; then
  - ii. to previously Scheduled Outages that have been deferred in accordance with clauses 3.19.4 or 3.19.5, but were originally scheduled in System Management's outage schedule more than one month ahead; then
  - iii. to outages scheduled in System Management's outage schedule less than one month ahead; then
  - iv. to previously Scheduled Outages that have been deferred in accordance with clause 3.19.4 or 3.19.5, but were originally scheduled in System Management's outage schedule less than one month ahead; then
  - v. to Opportunistic Maintenance; and
- (e) notwithstanding the criteria set out in clause 3.19.6(a) to (d), System Management may allow a Scheduled Outage to proceed if it considers that rejecting it would pose a greater threat to Power System Security or Power System Reliability than accepting it.

...

~~3.19.11. An outage, including Opportunistic Maintenance, that is approved by System Management under clause 3.19.4 is a Planned Outage.~~

3.19.11. An outage, including a Scheduled Outage or Opportunistic Maintenance, is a Planned Outage if it is:

- (a) approved by System Management under clause 3.19.4; or
- (b) deemed to be approved by System Management under clause 3.18.2A(e).

3.19.12.

- (a) Where System Management informs a Market Participant or Network Operator that an Outage Plan previously scheduled in System Management's outage schedule is rejected within 48 hours of the time when the outage would have commenced in accordance with the Outage Plan, the Market Participant or Network Operator may apply to AEMO for compensation.
- (aA) Compensation will only be paid where details of the relevant Outage Plan have been submitted to System Management at least one year in advance of the time when the outage would have commenced.

- (b) Compensation will only be paid for the additional maintenance costs directly incurred by a Market Participant or Network Operator in the deferment or cancellation of the relevant outage.
- (c) Compensation will not be paid for Opportunistic Maintenance.
- (d) The Market Participant or Network Operator must submit a written request for compensation to AEMO within three months of System Management's decision, including invoices and other documents demonstrating the costs referred to in ~~paragraph (b)~~ clause 3.19.12(b).
- (e) AEMO must determine the amount of compensation within one month of the submission of the application for compensation, and must notify the Market Participant or Network Operator of the amount determined and the reasons for its determination.

...

3.19.13. System Management must keep records of all of its outage evaluations and decisions made in accordance with this ~~clause~~ section 3.19, together with the reasons for each outage evaluation and decision.

...

3.20.1. Where the SWIS is in an Emergency Operating State, or ~~High-Risk~~ a High Risk Operating State, System Management may direct a Market Participant or Network Operator ~~that a Facility or item of equipment be returned~~ to return an Outage Facility to service from a Planned Outages in accordance with the relevant Outage Contingency Plan, or take other measures contained in the relevant Outage Contingency Plan.

...

3.21A.14. A Commissioning Test under an approved Commissioning Test Plan for an Outage Facility may cover periods in which some or all of the capacity or capability of the Outage Facility is subject to a Planned Outage or Forced Outage. ~~[Blank]~~

...

7.1.1. System Management must maintain and, in accordance with section 7.6, use the following data set when issuing Dispatch Instructions to Demand Side Programmes, when issuing Dispatch Instructions to Balancing Facilities dispatched Out of Merit, and when providing Operating Instructions:

- (a) Standing Data for Registered Facilities determined in accordance with section 2.34;
- (b) Loss Factors determined in accordance with section 2.27;
- (c) expected Scheduled Generator and Non-Scheduled Generator capacities by Trading Interval determined in accordance with clauses 3.17.5, 3.17.6 and 3.17.8;

- (d) ~~transmission~~ network configuration and capacity by Trading Interval determined in accordance with clauses 3.17.5, 3.17.6 and 3.17.8;
- (e) forecasts of load and non-scheduled generation by Trading Interval determined in accordance with section 7.2;
- (f) Ancillary Service Requirements for each Trading Interval determined in accordance with clause 7.2.4;
- (g) ~~schedules of approved Planned Outages for generating works and transmission equipment~~ by Trading Interval determined in accordance with section 3.19;
- (h) ~~transmission~~ Forced Outages and Consequential Outages by Trading Interval received from Network Operators in accordance with section 3.21;
- (i) Scheduled Generator, Non-Scheduled Generator and Interruptible Load Forced Outages and Consequential Outages by Trading Interval received from Market Participants in accordance with section 3.21;
- (j) [Blank]
- (k) the Non-Balancing Dispatch Merit Order;
- (l) Supplementary Capacity Contract data, if any; and
- (m) Network Control Service Contract data, if any, received from a Network Operator in accordance with clauses 5.3A.3 and 5.3A.4.

...

7A.2.4C. A Balancing Submission for the Balancing Portfolio must specify the following details for each Trading Interval covered in the Balancing Submission:

- (a) a ranking of Balancing Price-Quantity Pairs covering available capacity in the Balancing Portfolio; and
- (b) a declaration of the MW quantity of capacity of Scheduled Generators in the Balancing Portfolio that will be unavailable for dispatch ~~(excluding any unavailable capacity to the extent that it relates to a temporary limitation in the intermittent energy source used by a Non-Scheduled Generator in the Balancing Portfolio to generate electrical energy).~~

...

7A.2.6. A subsequent Balancing Submission made under clauses 7A.2.2, 7A.2.9(d), 7A.2.9(e), ~~or~~ 7A.2.9(f), 7A.2.9B, 7A.2.9C, 7A.2.10 or 7A.3.5 in respect of the same Balancing Facility covering the same Trading Interval as an earlier Balancing Submission, overrides the earlier Balancing Submission for, and has effect in relation to, that Trading Interval.

...

7A.2.8A. A Market Participant (other than Synergy in respect of the Balancing Portfolio) must, for each of its Balancing Facilities, and for each Trading Interval in the

Balancing Horizon, use its best endeavours to ensure that, at all times, any of the Facility's capacity that is:

- (a) subject to an approved Planned Outage; or
- (b) subject to an outstanding request for approval of Opportunistic Maintenance.

is declared as unavailable in the Balancing Submission for the Facility and the Trading Interval, unless the Balancing Facility is expected to generate in accordance with an approved Commissioning Test in that Trading Interval.

7A.2.9. Synergy, in relation to the Balancing Portfolio:

- (a) must, subject to clauses 7A.2.9(d) to 7A.2.9(f), ensure that for each Trading Interval in the Balancing Horizon the most recently submitted Balancing Submission in respect of that Trading Interval accurately reflects:
  - i. all information reasonably available to Synergy, including Balancing Forecasts published by AEMO and the latest information available to Synergy in relation to any Forced Outage for a Facility in the Balancing Portfolio;
  - ii. subject to clause 7A.2.9A(b), Synergy's reasonable expectation of the capability of its Balancing Portfolio to be dispatched in the Balancing Market for that Trading Interval; and
  - iii. the price at which Synergy intends to have the Balancing Portfolio participate in the Balancing Market;
- (b) must indicate in a manner and form prescribed by AEMO:
  - i. which of the Balancing Price-Quantity Pairs that it has priced at the Minimum STEM Price are for Facilities that are to provide LFAS;
  - ii. which Facilities are likely to provide LFAS; and
  - iii. for each completed Trading Interval, which Facilities actually provided the LFAS in the Trading Interval;
- (c) must:
  - i. ensure that quantities in the Balancing Price-Quantity Pairs in its Balancing Submissions that are required for the provision of Ancillary Services, other than LFAS, are priced at the Price Caps;
  - ii. advise AEMO in a manner and form prescribed by AEMO, the Facilities which are likely to provide the quantities specified in clause 7A.2.9(c)(i); and
  - iii. for each completed Trading Interval, advise AEMO which Facilities actually provided the Ancillary Services referred to in clause 7A.2.9(c)(i) in the Trading Interval;
- (d) may submit a new, updated Balancing Submission in relation to any Trading Interval in the Balancing Horizon for which Balancing Gate Closure is more than two hours in the future:

- i. by submitting its updated Balancing Submission to AEMO immediately before 1:00 PM; or
  - ii. otherwise by submitting its updated Balancing Submission to AEMO within one hour after LFAS Gate Closure;
- (e) may submit a new, updated Balancing Submission in relation to any Trading Interval in the Balancing Horizon for which Balancing Gate Closure is more than two hours in the future if a Facility in the Balancing Portfolio has experienced a Forced Outage since the last Balancing Submission; ~~and~~
- (f) may after the time specified in clause 7A.2.9(d), submit a new, updated Balancing Submission to reflect the impact of a Forced Outage which Synergy expects will cause a Facility to run on Liquid Fuel, where the Facility would not have run on Liquid Fuel but for the Forced Outage, in order to meet Synergy's Balancing Market obligations in relation to the Balancing Portfolio under this Chapter 7A.; and
- (g) must, as soon as it becomes aware that:
- i. either:
    - 1. a Facility in the Balancing Portfolio has experienced a Forced Outage; or
    - 2. System Management has approved a request for Opportunistic Maintenance for a Facility in the Balancing Portfolio; and
  - ii. the outage will reduce the available capacity of the Balancing Portfolio in a Trading Interval in the Balancing Horizon from the quantity reported as available in the current Balancing Submission for that Trading Interval; and
  - iii. there is a credible risk that representation of the relevant capacity as available in the Balancing Submission might, in the circumstances:
    - 1. affect any expected EOI Quantity provided to another Market Participant for the Trading Interval under clause 7A.3.1(c); or
    - 2. cause System Management to dispatch Balancing Facilities Out of Merit under clauses 7.6.1C(b) or 7.6.1C(c),
- submit a new, updated Balancing Submission for the Trading Interval to:
- iv. make any relevant Scheduled Generator capacity subject to the outage unavailable; and
  - v. unless otherwise permitted under clauses 7A.2.9(d) to 7A.2.9(f), remove or reduce the quantity of the highest price Balancing Price-Quantity Pair or Balancing Price-Quantity Pairs (excluding any Balancing Price-Quantity Pairs that are required to be offered at the Price Caps under clause 7A.2.9(c)) to remove the capacity subject to the outage from its Balancing Price-Quantity Pairs.

7A.2.9A. Synergy must, to the extent it is able to update its Balancing Submissions subject to clauses 7A.2.9(d) to 7A.2.9(g) (as applicable), for each Scheduled Generator in the Balancing Portfolio, and for each Trading Interval in the Balancing Horizon, use its best endeavours to ensure that, at all times:

- (a) any of the Scheduled Generator's capacity that is subject to an approved Planned Outage is declared as unavailable in the Balancing Submission for the Balancing Portfolio and that Trading Interval, except where that Scheduled Generator is expected to generate in accordance with an approved Commissioning Test; and
- (b) any of the Scheduled Generator's capacity that is subject to an outstanding request for approval of Opportunistic Maintenance is declared as available in the Balancing Submission for the Balancing Portfolio and that Trading Interval.

7A.2.9B. If System Management rejects a previously approved Planned Outage of a Balancing Facility (or a Facility in the Balancing Portfolio) under clause 3.19.5, then the relevant Market Participant must, as soon as practicable, update its Balancing Submission for any relevant Trading Intervals in the Balancing Horizon for which:

- (a) the Market Participant can make the relevant capacity available for dispatch, taking into account any relevant Equipment Limits; and
- (b) Balancing Gate Closure has not yet occurred.

to reflect that the capacity will not be subject to a Planned Outage in those Trading Intervals.

7A.2.9C. If System Management directs a Market Participant to return a Balancing Facility or a Facility in the Balancing Portfolio from a Planned Outage in accordance with an Outage Contingency Plan under clause 3.20.1, then the Market Participant must, as soon as practicable, update its Balancing Submission for any relevant Trading Intervals in the Balancing Horizon for which Balancing Gate Closure has not yet occurred, to reflect the impact of System Management's direction on the proposed end time of the Planned Outage.

...

## **7A.2A. Accounting for Unavailable Capacity in a Balancing Submission**

7A.2A.1. Subject to clauses 7A.2A.3 and 7A.2A.4, a Market Participant (other than Synergy in respect of the Balancing Portfolio) must, as soon as practicable after each Trading Interval, for each of its Balancing Facilities that is an Outage Facility, ensure that it has notified System Management of a Forced Outage or Consequential Outage that relates to any capacity for which the Market Participant holds Capacity Credits that:

- (a) was declared unavailable in the Facility's Balancing Submission for that Trading Interval; and



(b) was not subject to an approved Planned Outage, Consequential Outage or Commissioning Test Plan in that Trading Interval,

unless the relevant capacity was declared unavailable in the Facility's Balancing Submission because the Market Participant reasonably expected that its Reserve Capacity Obligations for the Trading Interval would be reduced because the maximum site temperature for the applicable Trading Day would exceed 41 degrees Celsius.

7A.2A.2. Subject to clauses 7A.2A.3 and 7A.2A.4, Synergy must, as soon as practicable after each Trading Interval, for each Facility in the Balancing Portfolio that is an Outage Facility, ensure that it has notified System Management of a Forced Outage or Consequential Outage that relates to any capacity for which Synergy holds Capacity Credits that:

(a) was declared unavailable in the Balancing Portfolio's Balancing Submission for that Trading Interval; and

(b) was not subject to an approved Planned Outage, Consequential Outage or Commissioning Test Plan in that Trading Interval,

unless the relevant capacity was declared unavailable in the Balancing Portfolio's Balancing Submission because Synergy reasonably expected that its Reserve Capacity Obligations for the Trading Interval would be reduced because the maximum site temperature for the applicable Trading Day would exceed 41 degrees Celsius.

7A.2A.3. Clauses 7A.2A.1 and 7A.2A.2 do not apply in respect of a Trading Interval if:

(a) the relevant capacity was previously subject to an approved Planned Outage for the Trading Interval; and

(b) System Management notified the Market Participant of the rejection of the Planned Outage under clause 3.19.5:

i. less than 30 minutes before Balancing Gate Closure for the Trading Interval; or

ii. at a time when the Facility was not synchronised and could not be synchronised by the start of the Trading Interval given the Facility's relevant Equipment Limits.

7A.2A.4. Clauses 7A.2A.1 and 7A.2A.2 do not apply in respect of a Trading Interval if:

(a) the relevant capacity was previously subject to an approved Consequential Outage or Commissioning Test Plan for the Trading Interval; and

(b) System Management notified the Market Participant that the capacity was no longer subject to the Consequential Outage or Commissioning Test Plan for the Trading Interval:

i. less than 30 minutes before:

1. Balancing Gate Closure for the Trading Interval, for a Facility that is not in the Balancing Portfolio; or

2. the latest time specified in clause 7A.2.9(d) for the Trading Interval, for a Facility in the Balancing Portfolio; or
- ii. at a time when the Facility was not synchronised and could not be synchronised by the start of the Trading Interval given the Facility's relevant Equipment Limits.

...

## Glossary

**Equipment List:** Means the list maintained by System Management under clause 3.18.2(a).

**Equipment List Facility:** Means a Facility or item of equipment that is included on the Equipment List.

**Mandatory Routine Maintenance:** Means Outage Facility Maintenance of a routine nature that must be undertaken by a specific point in time, or by the time that a specific measure of usage is reached, as required by applicable legislation or in accordance with the Outage Facility's asset management plan.

**Outage Facility:** Means an Equipment List Facility or a Self-Scheduling Outage Facility.

**Outage Facility Maintenance:** Means:

- (a) an upgrade of Outage Facility equipment; or
- (b) all maintenance in respect of an Outage Facility, including but not limited to preventative maintenance, corrective maintenance, plant inspections and tests, that would reasonably be required in accordance with good electricity industry practice.

that requires some or all of the capacity or capability associated with an Outage Facility being unavailable for service.

**Scheduled Outages:** ~~Has the meaning given in clause 3.19.1.~~ Means an outage that has an Outage Plan that is included in System Management's outage schedule.

**Self-Scheduling Outage Facility:** Has the meaning given in clause 3.18.2A(a).