

# MARKET PROCEDURE: CAPACITY CREDIT ALLOCATION

PREPARED BY: AEMO | Western Australia | WA Market Operations  
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Approved for distribution and use by:

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## VERSION RELEASE HISTORY

Version	Effective Date	Summary of Changes
1.0	1 June 2008	Commencement
2.0	30 November 2015	Changes resulting from the transfer of functions from the IMO to AEMO
3.0	1 May 2019	Transitional provisions resulting from Procedure Change Proposal AEPC_2019_03 related to the rule change proposal RC_2017_06: Reduction of the prudential exposure in the Reserve Capacity Mechanism and updates to reflect AEMO’s new Market Procedure template

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## 1. INTRODUCTION

### 1.1. Purpose and scope

- 1.1.1. This is the Market Procedure for Capacity Credit Allocation (Procedure) made under clause 9.4.3 of the Wholesale Electricity Market Rules (WEM Rules).
- 1.1.2. This Procedure has effect only for the purposes set out in the WEM Rules and the WEM Rules prevail over these Procedures to the extent of any inconsistency.
- 1.1.3. The purpose of this Procedure is to:
  - (a) to describe the steps that a Market Participant wishing to transfer Capacity Credits is required to complete to make a submission to allocate those Capacity Credits;
  - (b) to describe the information that is required to be provided to AEMO to make a Capacity Credit allocation submission; and
  - (c) to outline the circumstances in which AEMO will accept Capacity Credit Allocation Submissions.
- 1.1.4. This Procedure applies to AEMO and Market Participants holding Capacity Credits.
- 1.1.5. In this Procedure where obligations are conferred on a Rule Participant, that Rule Participant must comply with the relevant obligations in accordance with clauses 2.9.7, 2.9.7A, 2.9.7B, 2.9.7C and 2.9.8 of the WEM Rules, as applicable.
- 1.1.6. Reference to particular WEM Rules within the Procedure in bold and square brackets **[clause XX]** are included for convenience only and are not part of this Procedure.

### 1.2. Definitions and interpretation

Terms defined in the WEM Rules have the same meanings in this Procedure unless otherwise specified in this clause.

The words, phrases and abbreviations in the table below have the meanings set out opposite them in the table when used in this Procedure.

Term	Definition
<b>Post-Amended Procedure</b>	Version 4.0 of the Market Procedure: Capacity Credit Allocation (published as Appendix 6 of the Procedure Change Report for AEPC_2019_03) as in force immediately after 8:00 AM on the Procedure Change Commencement Day.
<b>Pre-Amended Procedure</b>	This version 3.0 of the Market Procedure: Capacity Credit Allocation (published as Appendix 4 of the Procedure Change Report for AEPC_2019_03) as in force until immediately before 8:00 AM on the Procedure Change Commencement Day.
<b>Procedure Change Commencement Day</b>	The Trading Day when the Post-Amended Procedure comes into effect, as determined by AEMO in its Procedure Change Report for AEPC_2019_03 under clause 2.10.13(g) of the WEM Rules.
<b>Procedure Change Commencement Month</b>	The Trading Month when the Post-Amended Procedure comes into effect, as determined by AEMO in its Procedure Change Report for AEPC_2019_03 under clause 2.10.13(g) of the WEM Rules.

- 1.2.1. The following principles of interpretation apply to this Procedure unless otherwise expressly indicated:
- a) references to time are references to Australian Western Standard Time;
  - b) terms that are capitalised, but not defined in this Procedure, have the meaning given in the WEM Rules;
  - c) to the extent that this Procedure is inconsistent with the WEM Rules, the WEM Rules prevail to the extent of the inconsistency;
  - d) a reference to the WEM Rules or Market Procedures includes any associated forms required or contemplated by the WEM Rules or Market Procedures; and
  - e) words expressed in the singular include the plural and vice versa.
- 1.2.2. Before the Procedure Change Commencement Day, notwithstanding that the Pre-Amended Procedure continues to apply, each Rule Participant:
- (a) must comply with its obligations under the Post-Amended Procedure (as if it were in force) with respect to the Procedure Change Commencement Month and subsequent Trading Months; and
  - (b) may do anything that it is permitted to do under the Post-Amended Procedure (as if it were in force) with respect to the Procedure Change Commencement Month and subsequent Trading Months.
- 1.2.3. A Rule Participant is not required to comply with an obligation under the Pre-Amended Procedure with respect to the Procedure Change Commencement Month or a subsequent Trading Month if (and to the extent that):
- (a) the Rule Participant complies with an equivalent obligation under the Post-Amended Procedure (as if it were in force) with respect to the relevant Trading Month; or
  - (b) there is no equivalent obligation under the Post-Amended Procedure with respect to the relevant Trading Month.

### 1.3. Related documents

- 1.3.1. The following Market Procedures (available on the Market Web Site<sup>1</sup>) provide background information to this Procedure:
- (a) Notices and Communications; and
  - (b) Information Confidentiality.

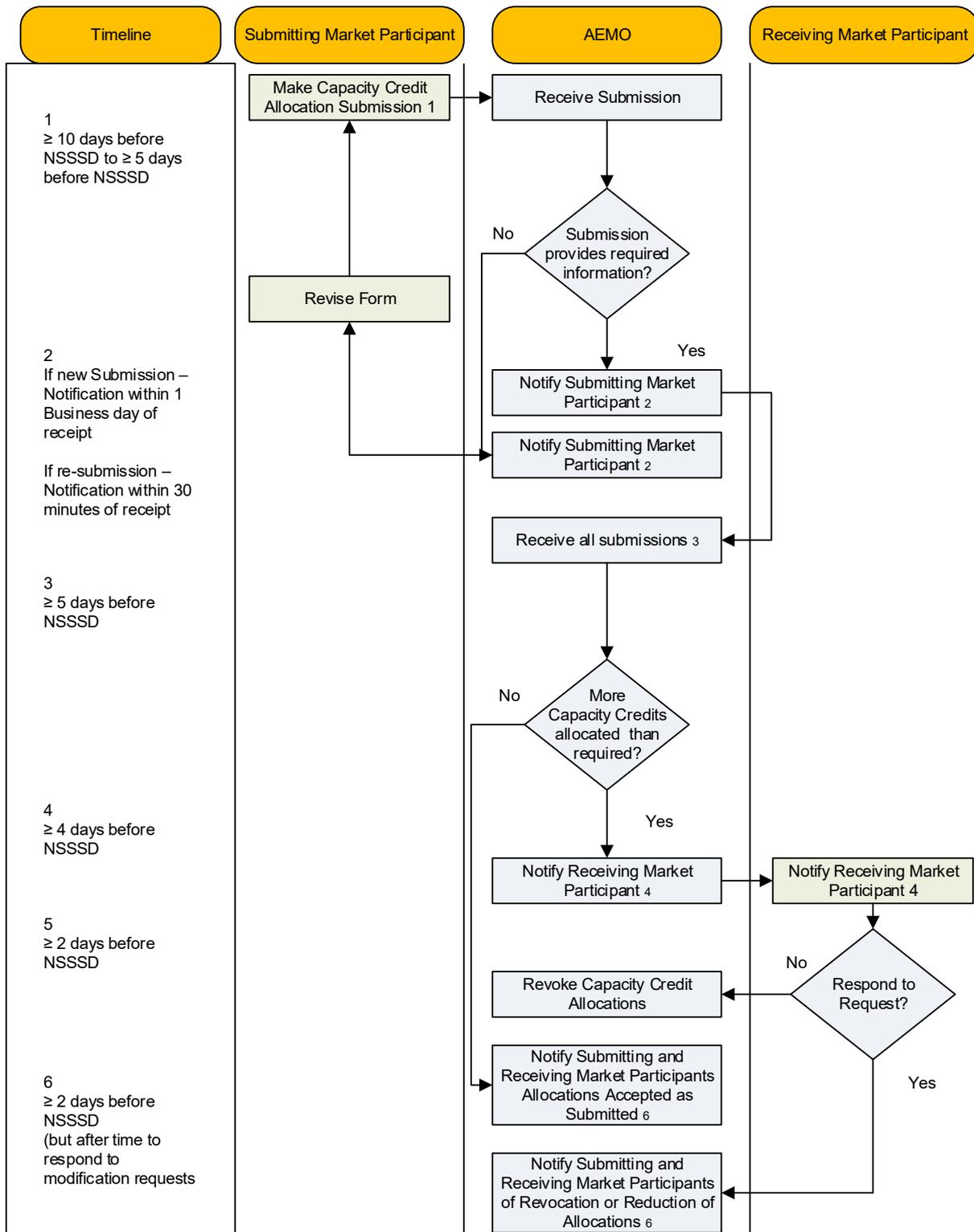
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<sup>1</sup> Available at: <http://aemo.com.au/Electricity/Wholesale-Electricity-Market-WEM/Procedures>.

## 2. OVERVIEW OF CAPACITY CREDIT ALLOCATION

- 2.1.1. Market Customers are required to either hold sufficient Capacity Credits or make payment for any shortfall through the settlement process.
- 2.1.2. Clause 9.4.1 of the WEM Rules allows a Market Participant holding Capacity Credits to make a single Capacity Credit Allocation Submission applicable for a full trading month.
- 2.1.3. The earliest date and time, and the latest date and time, in which a Capacity Credit Allocation Submission may be made for a calendar month, is published by AEMO as part of its Settlement Cycle Timeline. The timeline also provides for the time and date by which AEMO must contact Market Participants to request modifications, the time and date for the Market Participant to respond to the request for modifications, and the time and date for AEMO to notify Market Participants of the accepted allocations.
- 2.1.4. This timeline is published on AEMO website ([www.aemo.com.au](http://www.aemo.com.au)) at least one calendar month prior to the commencement of each financial year, in accordance with clause 9.16.2 of the WEM Rules. For the first financial year of energy market operation, AEMO must publish the timeline one month prior to energy market commencement.
- 2.1.5. Figure 1 provides a summary of the interaction between the Procedure steps to be followed by each Market Participant and AEMO. For the purpose of Figure 1:
  - (a) NSSSD refers to the Non-STEM Settlement Statement Date, in accordance with clause 9.16.2(c) of the WEM Rules; and
  - (b) a reference to days means Business Days.

Figure 1 Process overview



### 3. MAKING A CAPACITY CREDIT ALLOCATION SUBMISSION

- 3.1.1. A Capacity Credit Allocation Submission is completed using the Wholesale Electricity Market System ("WEMS").
- 3.1.2. A Capacity Credit Allocation is made through the WEMS by completing the required fields on the Reserve Capacity Credits Allocation Display. Through the Reserve Capacity Credits Allocation Display, Submitting Market Participants are able to query, submit and cancel data submissions. For a more detailed description of the steps for completing a Capacity Credit Allocation on the WEMS, Submitting Market Participants should refer to the Market Participant Interface Software User Guide ("User Guide") available on the AEMO website ([www.aemo.com.au](http://www.aemo.com.au)).
- 3.1.3. A Submitting Market Participant should ensure that all fields for the Reserve Capacity Credits Allocation are completed, as clause 9.4.3 of the WEM Rules requires a Capacity Credit Allocation Submission to include all the information specified in clause 9.5.1 of the WEM Rules and outlined in section 6 of this Procedure.
- 3.1.4. A Submitting Market Participant should be aware that, when submitting a Capacity Credit Allocation, it acknowledges that:
- (c) it is acting with the permission of all affected Market Participants; and
  - (d) AEMO has the right to reverse any Capacity Credit Allocations if any affected Market Participant, other than the Submitting Market Participant, objects to the allocation prior to the deadline for disputes in relation to Non-STEM Settlement Statements. **[clause 9.4.4]**
- 3.1.5. A Submitting Market Participant should receive an electronic confirmation after making a Capacity Credit Allocation Submission.
- 3.1.6. Capacity Credit Allocation Submissions can be cancelled and/or resubmitted prior to the deadline outlined in step 3.1.7.
- 3.1.7. All Capacity Credit Allocation Submissions must be made by the deadline set out in the Settlement Cycle Timeline published on AEMO website ([www.aemo.com.au](http://www.aemo.com.au)), in accordance with clause 9.16.2(b)(ii) of the WEM Rules. A Submitting Market Participant should ensure that this is done at least two Business Days prior to the deadline, to ensure that any requirement to resubmit or to remedy defects in the submission can be met prior to the deadline.
- 3.1.8. If a Submitting Market Participant has not received confirmation of their Capacity Credit Allocation Submission within one Business Day, the applicant must arrange with AEMO to resubmit the Capacity Credit Allocation, by mutually agreed means. The resubmitted Capacity Credit Allocation must be provided by the submission deadline set out in the Settlement Cycle Timeline published on AEMO website ([www.aemo.com.au](http://www.aemo.com.au)), in accordance with clause 9.16.2(b)(ii) of the WEM Rules. **[clause 9.4.6]**
- 3.1.9. If a Submitting Market Participant is notified that its submission is rejected, the Submitting Market Participant must arrange with AEMO to provide a valid Capacity Credit Allocation Submission, by mutually agreed means. The valid Capacity Credit Allocation must be made by the submission deadline set out in the Settlement Cycle Timeline published on AEMO website ([www.aemo.com.au](http://www.aemo.com.au)), in accordance with clause 9.16.2(b)(ii) of the WEM Rules. **[clause 9.4.6]**

## 4. RECEIVING CAPACITY CREDITS

- 4.1.1. A Receiving Market Participant is required to make a Capacity Credit Confirmation Allocation Submission through the Reserve Capacity Credits Confirm Allocation Display on the WEMS. For a more detailed description of the steps for completing a Capacity Credit Confirmation Allocation Submission on the WEMS, Receiving Market Participants should refer to the Market Participant Interface Software User Guide ("User Guide") available on AEMO website ([www.aemo.com.au](http://www.aemo.com.au)).
- 4.1.2. Where a Receiving Market Participant's total allocation of Capacity Credits exceeds its Individual Reserve Capacity Requirement, the Receiving Market Participant must detail in the Capacity Credit Confirmation Allocation which Capacity Credits are to be reduced.
- 4.1.3. The Capacity Credit Confirmation Allocation Submission must be made by the deadline set out in the Settlement Cycle Timeline published on AEMO website ([www.aemo.com.au](http://www.aemo.com.au)), in accordance with clause 9.16.2(b)(iv) of the WEM Rules. **[clause 9.4.11]** Failure to do this will result in the revocation of all Capacity Credit Allocation Submissions to the extent that they allocate Capacity Credits to the Receiving Market Participant. **[clause 9.4.12]**

## 5. PROCESSING A CAPACITY CREDIT ALLOCATION SUBMISSION

- 5.1.1. **Receipt of Submission Form** – AEMO will review Capacity Credit Allocation Submissions through the WEMS to ensure:
- (a) the Submitting Market Participant has provided all the required information, specified in Clause 9.5.1 and outlined in section 6 of this Procedure; and
  - (b) the Submission is consistent with the requirements of section 9.5 of the WEM Rules:
    - (i) The total number of capacity credits allocated in Set 1 (see step 6.1.3) must not exceed the total quantity of Capacity Credits covered by Special Price Arrangements (see clause 4.29.3(d)(iii) of the WEM Rules) less the quantity of Capacity Credits acquired by AEMO covered by a Special Price Arrangement (see clause 4.29.3(d)(ii) of the WEM Rules).

The only Capacity Credits covered by Special Price Arrangement that may be traded bilaterally are the total number of Capacity Credits that are covered by Special Price Arrangements resulting from auctions in previous Reserve Capacity Cycles.
    - (ii) The total number of capacity credits allocated in Set 2 (see step 6.1.3) does not exceed the quantity of Capacity Credits allowed to be traded bilaterally in Clause 4.14.9 that are not covered by Special Price Arrangements (see clause 4.29.3(d)(iv) of the WEM Rules). **[clause 9.5.3]**
- 5.1.2. **Rejection of Submission Form** - If a Capacity Credit Allocation Submission is not consistent with requirements of clause 9.5 of the WEM Rules AEMO, through WEMS, will reject it and provide reasons for rejecting the submission as appropriate. **[clauses 9.4.8 and 9.4.5]**
- 5.1.3. **Notification to Submitting Market Participant** - AEMO is required to notify the Submitting Market Participant, in accordance with the following:
- (a) New Submissions - Within one Business Day of receipt of the Capacity Credit Allocation AEMO will notify, through the WEMS, a Submitting Market Participant:

- (i) that the Capacity Credit Allocation has been received; and
    - (ii) whether the Capacity Credit Allocation has been rejected, including the reasons for any rejection (as appropriate). **[clause 9.4.5]**
  - (b) Re-Submissions - Within 30 minutes of receipt of a Capacity Credit Allocation Submission, AEMO must, by telephone, notify a Submitting Market Participant:
    - (i) that the Capacity Credit Allocation has been received; and
    - (ii) whether the Capacity Credit Allocation has been rejected, including the reasons for any rejection (as appropriate). **[clause 9.4.7]**
- 5.1.4. **Assessment of Capacity Credit Allocations** - On receipt of all Capacity Credit Allocation Submissions AEMO, through WEMS, will identify each Market Participant that has more Capacity Credits allocated to it than is required to cover its Individual Reserve Capacity Requirement. The Individual Reserve Capacity Requirement for each Market Participant is determined in accordance with clause 4.28.7 of the WEM Rules and, if applicable, revised in accordance with clause 4.28.11 of the WEM Rules.
- 5.1.5. **Nominating Modifications** – In making a Capacity Credit Confirmation Allocation Submission through the WEMS, a Receiving Market Participants is notified if it has more Capacity Credits allocated to it than required to cover its Individual Reserve Capacity Requirement. A Receiving Market Participant will be required to detail in its Capacity Credit Confirmation Allocation which Capacity Credits are to be reduced. The Receiving Market Participant will be notified by the deadline set out in the Settlement Cycle Timeline published on AEMO website ([www.aemo.com.au](http://www.aemo.com.au)), in accordance with clause 9.16.2(b)(iii) of the WEM Rules. **[clause 9.4.10]**
- 5.1.6. **Acceptance of Capacity Credit Allocations** – Where AEMO has accepted the Capacity Credit Allocations, as submitted by the Submitting Market Participant, AEMO will notify each Submitting and Receiving Market Participant, through the WEMS, that the allocations have been accepted as submitted. The notification will be given by the deadline outlined in the Settlement Cycle Timeline published on AEMO website ([www.aemo.com.au](http://www.aemo.com.au)), in accordance with clause 9.16.2(b)(v) of the WEM Rules.
- 5.1.7. **Reduction of Capacity Credit Allocations** – Where AEMO has notified a Receiving Market Participant that its total allocation of Capacity Credits exceeds its Individual Reserve Capacity Requirement, and the Receiving Market Participant has detailed in its Capacity Credit Confirmation Allocation which Capacity Credits are to be reduced, AEMO will provide the following information through the WEMS:
- (a) the reduction in Capacity Credit allocations made in accordance with its Capacity Credit Confirmation Allocation;
  - (b) the revocation of any Capacity Credit allocations due to AEMO not receiving details of which Capacity Credits are to be reduced. **[clause 9.4.13]**

This must be done by the deadline outlined in the Settlement Cycle Timeline published on AEMO website ([www.aemo.com.au](http://www.aemo.com.au)), in accordance with clause 9.16.2(b)(v) of the WEM Rules.

**6. INFORMATION TO BE INCLUDED IN THE CAPACITY CREDIT ALLOCATION SUBMISSION**

The following information is required to be included in a Capacity Credit Allocation Submission. [clause 9.5.1]

- 6.1.1. Identity of the Submitting Market Participant – Must be the holder of Capacity Credit
- 6.1.2. Identity of each Market Participant to which Capacity Credits to be Allocated – May include the Submitting Market Participant
- 6.1.3. Number of Capacity Credits to be allocated to each Market Participant – This is broken down into two sets.
  - (a) Set 1, in accordance with clause 9.5.1(c)(i) of the WEM Rules – Capacity Credits covered by Special Price Arrangements but allowed to be traded bilaterally. The total number of Capacity Credits for the purpose of this set is the total quantity of Capacity Credits covered by Special Price Arrangements less the quantity of Capacity Credits acquired by AEMO covered by a Special Price Arrangement that are not allowed to be traded bilaterally.
  - (b) Set 2, in accordance with clause 9.5.1(c)(ii) of the WEM Rules – Capacity Credits allowed to be traded bilaterally that are not covered by Special Price Arrangements.

Figure 2 provides an illustration of how a Submitting Market Participant could determine the number of Capacity Credits to be allocated to Receiving Market Participants over various trading intervals within a trading month.

**Figure 2 Capacity Credit Allocation Illustration**

Note – For ease of reference it is assumed that:

- (a) There are 20 trading intervals in the relevant trading month.
- (b) The Submitting Market Participant has 15 Capacity Credits to allocate.
- (c) No differentiation has been made between Set 1 and Set 2 Capacity Credits.

TRADING MONTH X					
TRADING INTERVAL	MARKET PARTICIPANTS				TOTAL
	A	B	C	D	
1	10	5	0	0	15
2	10	5	0	0	15
3	10	5	0	0	15
4	10	5	0	0	15
5	10	5	0	0	15
6	5	5	2	3	15
7	5	5	2	3	15
8	5	5	2	3	15
9	5	5	2	3	15
10	5	5	2	3	15
11	5	5	2	3	15
12	5	5	2	3	15

TRADING MONTH X					
TRADING INTERVAL	MARKET PARTICIPANTS				TOTAL
	A	B	C	D	
13	5	5	2	3	15
14	5	5	2	3	15
15	5	5	2	3	15
16	0	5	0	10	15
17	0	5	0	10	15
18	0	5	0	10	15
19	0	5	0	10	15
20	0	5	0	10	15
<b>SUB-TOTAL</b>	<b>100</b>	<b>100</b>	<b>20</b>	<b>80</b>	<b>300</b>
Divide by No. of Intervals	20	20	20	20	15
<b>TOTAL CAPACITY CREDITS ALLOCATED</b>	<b>5</b>	<b>5</b>	<b>1</b>	<b>4</b>	<b>15</b>

For the purpose of a Capacity Credit Allocation Submission, only the Total Capacity Credits per Market Participant are recorded.

## 7. PARTIAL CAPACITY CREDITS

- 7.1.1. A Capacity Credit Allocation Submission may allocate part of a Capacity Credit provided that the number of Capacity Credits allocated is specified to a precision of 0.005 MW. **[Clause 9.5.2]**