#### **Extract of:**

## Section 2.34A Essential System Services Accreditation (gazetted on 24 December 2020);

# New Section 2.34B Specific Transitional Provisions – Mandatory ESS Accreditation for Specific Facilities (not yet gazetted)

#### **Explanatory Note**

This extract contains:

- 1. Amendments to section 2.34A: ESS Accreditation, to include obligations for Rule Participants and AEMO to determine RoCoF Ride-through Capability. It should be noted section 2.34A was gazetted by the Minister on 24 December 2020.
- 2. New section 2.34B containing transitional provisions for mandatory ESS accreditation for facilities that are accredited for Ancillary Service provision in the 2020 Capacity Year. These draft rules give effect to a Taskforce decision contained in the <u>Information Paper: Supplementary ESS Procurement Mechanism</u>, with the objective that there are capable and accredited ESS facilities to participate in the FCESS markets that will commence at new WEM commencement.
- 3. It is anticipated that section 2.34A and 2.34B including the further amendments in this extract will be gazetted and commenced by end-April 2021 recognising that ESS accreditation is a long-lead time activity for AEMO and Market Participants. It is also anticipated that section 2.36A: Communication and Measuring Equipment which was gazetted in December 2020, will also be commenced at the same time. This will enable the consideration of any high-speed recording/measuring equipment if needed for the purposes of ESS accreditation and measurement.
- 4. All new amendments are shown in green font.

# 2.34A. Essential System Service Accreditation

# Accreditation for Frequency Co-optimised Essential System Services

- 2.34A.1. AEMO may accredit a Facility to provide one or more of the following Frequency Co-optimised Essential System Services:
  - (a) Regulation Raise;
  - (b) Regulation Lower;
  - (c) Contingency Reserve Raise;
  - (d) Contingency Reserve Lower; and
  - (e) RoCoF Control Service.
- 2.34A.2. A Market Participant may apply to AEMO for accreditation of a Facility to provide one or more Frequency Co-optimised Essential System Services referred to in clause 2.34A.1.
- 2.34A.3. Unless the relevant information is included as part of Standing Data, an application for accreditation of a Facility made pursuant to clause 2.34A.2 to provide one or more Frequency Co-optimised Essential System Services referred to in clause 2.34A.1 must include:
  - (a) the identity of the Facility;

- (b) the maximum quantity of each applicable Frequency Co-optimised Essential System Service that the Facility intends to provide and where that value would differ under different Facility operating configurations;
- (c) the Standing Enablement Minimum and Standing Enablement Maximum for the Facility for each applicable Frequency Co-optimised Essential System Service and where those values would differ under different Facility operating configurations;
- (d) the Standing Low Breakpoint and Standing High Breakpoint for the Facility for each applicable Frequency Co-optimised Essential System Service and where those values would differ under different Facility operating configurations;
- (e) for a Facility that is an Interruptible Load, the Restoration Profile of the Interruptible Load if applicable;
- (f) for an application to provide Contingency Reserve Raise, whether the Facility will provide a Contingency Reserve Raise response in a block or continuous manner if applicable; and
- (g) any other information that may be specified in the WEM Procedure referred to in clause 2.34A.13.
- 2.34A.4. AEMO must approve or reject an application for accreditation of a Facility made pursuant to clause 2.34A.2 in accordance with the WEM Procedure referred to in clause 2.34A.13, within 20 Business Days of the later of:
  - (a) receipt of the application under clause 2.34A.2; and
  - (b) receipt of all information required to be provided under clauses 2.34A.3 and as may be specified in the WEM Procedure referred to in clause 2.34A.13, including the results of any required Facility tests and re-tests.
- 2.34A.4A. Where AEMO requires tests or re-tests for a Facility, a Market Participant must conduct the test or re-test and will be responsible for the cost of that test or re-test.
- 2.34A.4B. AEMO may only require a test or re-test where AEMO considers it reasonably necessary for AEMO to consider the accreditation of the Facility to provide one or more Frequency Co-optimised Essential System Services referred to in clause 2.34A.1.
- 2.34A.5. If AEMO rejects an application for accreditation of a Facility made pursuant to clause 2.34A.2, AEMO must provide reasons for the rejection to the Market Participant.

#### **Explanatory Note**

The amendments to clause 2.34A.6 below are to enable AEMO to record Standing Data in a temporary place until such time the Standing Data rules and systems are developed. The temporary recording place will be specified by AEMO in the WEM Procedure referred to in clause 2.34A.13.

- 2.34A.6. If AEMO approves an application for accreditation of a Facility made pursuant to clause 2.34A.2, it must, as soon as possible, inform the Market Participant and the Market Participant must include the following information in its Standing Data for the Facility or in such other place as specified in the WEM Procedure referred to in clause 2.34A.13, in respect of each Frequency Co-optimised Essential System Service referred to in clause 2.34A.1 that the Facility is accredited to provide:
  - (a) the Standing Enablement Minimum and Standing Enablement Maximum for each relevant Facility operating configuration;
  - (b) the Standing Low Breakpoint and Standing High Breakpoint for each relevant Facility operating configuration;
  - (c) where the Facility is accredited to provide Contingency Reserve:
    - the Facility Speed Factor (which must be based on the Facility's actual or modelled response to a local frequency excursion determined in accordance with the WEM Procedure referred to in clause 2.34A.13); and
    - ii. whether the Facility is subject to the Maximum Contingency Reserve Block Size; and
  - (d) where the Facility is accredited to provide Regulation or RoCoF Control Service, a Facility Performance Factor of one for each of these Essential System Services.
- 2.34A.7. If requested by AEMO, a Market Participant must promptly provide AEMO with any information to clarify or support the information referred to in clause 2.34A.6.

## **Explanatory Note**

Where a Market Participant requests AEMO to amend the Frequency Co-optimised Essential System Service Accreditation Parameters, AEMO may require the Facility to undergo a test that may, potentially, result in a reduction to the Facility's accredited quantity of relevant FCESS. AEMO would conduct the re-assessment taking into account the effect of any outages.

Clause 2.34A.8 is intended to be a civil penalty provision.

2.34A.8. Where, in the Market Participant's reasonable opinion, the performance of the Facility is varying significantly, or is likely to vary significantly, from Frequency Cooptimised Essential System Service Accreditation Parameters for the Facility in the future, the Market Participant must provide the information in respect of those matters to AEMO as soon as possible and request AEMO to amend the Frequency Co-optimised Essential System Service Accreditation Parameters for the Facility to reflect the actual or likely varied performance.

#### **Explanatory Note**

AEMO is unlikely to decline a request to change the Frequency Co-optimised Essential System Service Accreditation Parameters. However, AEMO may require the Facility to undergo further testing to verify whether the Facility is able to perform in accordance with the reduced Frequency Co-optimised Essential System Service Accreditation Parameters

The intent of clause 2.34A.9 is to recognise that Frequency Co-optimised Essential System Services Accreditation Parameters should not be reviewed if the Facility was on a Planned Outage. However where there is a Forced Outage, AEMO may consider reviewing the parameters based on the impact of the Forced Outage on the Facility's performance.

- 2.34A.9. Clause 2.34A.8 does not apply to the extent that the performance of the Facility is impacted by an Outage.
- 2.34A.10. Where a request to amend the Frequency Co-optimised Essential System Service Accreditation Parameters for a Facility pursuant to clause 2.34A.8:
  - (a) is made at least 12 months after AEMO's most recent assessment of the Frequency Co-optimised Essential System Service Accreditation Parameters for the Facility, AEMO must consider the information and assess whether the Frequency Co-optimised Essential System Service Accreditation Parameters should be amended; or
  - (b) is made less than 12 months after AEMO's most recent assessment of the Frequency Co-optimised Essential System Service Accreditation Parameters for the Facility, AEMO may decline the request or may consider the information and assess whether the Frequency Co-optimised Essential System Service Accreditation Parameters should be amended.
- 2.34A.11. If AEMO becomes aware, either pursuant to clause 2.34A.10 or through its own monitoring activities, that the performance of a Facility has varied, is varying, or is likely to vary, significantly from the Frequency Co-optimised Essential System Service Accreditation Parameters for the Facility, AEMO may reassess the Frequency Co-optimised Essential System Service Accreditation Parameters, and notify the Market Participant of its decision to either:
  - (a) amend the Frequency Co-optimised Essential System Service Accreditation Parameters, the amendments it will make and the date that the amendments will take effect from; or
  - (b) not amend the Frequency Co-optimised Essential System Service Accreditation Parameters,

and the reasons for its decision.

2.34A.12. Where AEMO amends the Frequency Co-optimised Essential System Service Accreditation Parameters pursuant to clause 2.34A.11, the Market Participant must, within 5 Business Days of receiving notification from AEMO in accordance with clause 2.34A.11, update its Standing Data for the Facility or in such other place as specified in the WEM Procedure referred to in clause 2.34A.13, to reflect the amended Frequency Co-optimised Essential System Service Accreditation Parameters.

#### **Explanatory Note**

New clauses 2.34A.12A – 2.34A.12H set out obligations for Market Participants and Network Operators to undertake a process with AEMO to determine the RoCoF Ride-Through Capability for their Facility.

The RoCoF Ride-Through Capability of a Facility is recorded in its Standing Data (see Appendix 1(n) of the WEM Amending Rules).

# **Determining RoCoF Ride-Through Capability**

- 2.34A.12A. A Market Participant may apply to AEMO for accreditation of the RoCoF Ride-Through Capability of each of its Facilities in accordance with the WEM Procedure specified in clause 2.34A.13.
- 2.34A.12B.A Network Operator must apply to AEMO for accreditation of the RoCoF Ride-Through Capability of each of its transmission systems or distribution systems.
- 2.34A.12C. AEMO must determine, or re-determine, as applicable, the RoCoF Ride-Through
  Capability for a Facility pursuant to an application made under clauses 2.34A.12A,
  2.34A.12B or 2.34A.12E or in accordance with clause 2.34A.12F, in accordance
  with the WEM Procedure specified in clause 2.34A.13.
- 2.34A.12D. As part of determining, or re-determining, as applicable, the RoCoF RideThrough Capability for a Facility pursuant to an application made under clauses
  2.34A.12A, 2.34A.12B or 2.34A.12E or in accordance with clause 2.34A.12F,
  AEMO may request the relevant Market Participant or Network Operator to
  provide further information, including engineering studies or reports, to
  demonstrate the RoCoF Ride-Through Capability of the Facility, and the relevant
  Market Participant or Network Operator must comply with the request by the time
  specified in the request.
- 2.34A.12E. Where, in the Market Participant's or Network Operator's reasonable opinion, the RoCoF Ride-Through Capability of its Facility has varied, is varying, or is likely to vary, significantly from the value the Facility was accredited for under clause 2.34A.12C, the Market Participant or Network Operator must apply to AEMO to re-determine the RoCoF Ride-Through Capability accredited to the Facility.
- 2.34A.12F. Where AEMO observes that the RoCoF Ride-Through Capability of a Facility has varied, is varying, or is likely to vary, significantly from the value the Facility was accredited for under clause 2.34A.12C, AEMO must:
  - (a) notify the relevant Market Participant or Network Operator; and
  - (b) re-determine the RoCoF Ride-Through Capability accredited to the relevant Facility in accordance with 2.34A.12C.

- 2.34A.12G. Where AEMO determines the RoCoF Ride-Through Capability accredited to a Facility pursuant to clause 2.34A.12C, or as a result of a re-determination pursuant to clauses 2.34A.12E or 2.34A.12F, the relevant Market Participant or Network Operator must, within five Business Days of receiving notification of the re-accreditation from AEMO, update its Standing Data for its Facility or in such other place as specified in the WEM Procedure referred to in clause 2.34A.13, to reflect the amended RoCoF Ride-Through Capability for the Facility.
- 2.34A.12H. Notwithstanding clauses 2.34A.12A, 2.34A.12B, 2.34A.12E or 2.34A.12F, AEMO may, in its sole discretion, deem the RoCoF Ride-Through Capability of any Facility to be equal to the RoCoF Safe Limit.

## <u>Cost-recovery for RoCoF Control Service based on a Facility's RoCoF Ride-Through Capability</u>

- 2.34A.12I. AEMO must determine a RoCoF Ride-Through Cost Recovery Limit. In determining the RoCoF Ride-Through Cost Recovery Limit, AEMO must:
  - (a) not set the value higher than the RoCoF Upper Limit;
  - (b) set the limit to a precision of 0.1 Hz over 500 milliseconds; and
  - (c) subject to clause 2.34A.12I(a), set the limit above the RoCoF Safe Limit by at least 0.25 Hz over 500 milliseconds.

## **Explanatory Note**

Where the RoCoF Ride-Through Capability of a Facility (i.e. a generator or a load or a storage resource or of a transmission system or distribution system) is determined by AEMO to be equal to or lower than the RoCoF Ride-Through Cost Recovery Limit, the relevant Market Participant in respect to that Facility, or the relevant Network Operator in respect to that transmission or distribution system, will be required to pay for the costs of the RoCoF Control Service through market settlement.

2.34A.12J. Where the RoCoF Ride-Through Capability accredited to a Facility under clause 2.34A.12C, or deemed to be accredited to a Facility under clause 2.34A.12H, is equal to or lower than the RoCoF Ride-Through Cost Recovery Limit, the Facility is deemed to be a RoCoF Causer for the purposes of Appendix 2B.

#### **WEM Procedure**

- 2.34A.13. AEMO must document in a WEM Procedure the processes to be followed by AEMO, and Market Participants and Network Operators in respect of the accreditation of a Facility under this section 2.34A or section [2.34B]. to provide a Frequency Co-optimised Essential System Service. The WEM Procedure must include:
  - in respect to the provision of a Frequency Co-Optimised Essential System Service:

     i. the format of information which Market Participants must submit;
     (b) ii. the performance parameters and requirements which must be satisfied in order for a Facility to be accredited to provide a

- particular Frequency Co-optimised Essential System Service (for example, minimum quantity, maximum response time, control facilities, measurement facilities);
- (c) <u>iii.</u> the manner and form of control system or communication arrangements required for the provision, and monitoring, of each Frequency Co-optimised Essential System Service;
- (d) <u>iv.</u> the Maximum Contingency Reserve Block Size and the method used to determine the Maximum Contingency Reserve Block Size;
- (e) v. the format and nature of data to be provided as evidence of performance after each Contingency Event;
- (f) vi. how AEMO will monitor and verify Facility performance against the Frequency Co-optimised Essential System Service Accreditation Parameters for the Facility including modelling and testing requirements;
- g) vii. how AEMO will determine a Facility Speed Factor for the Facility (so that it is possible for a Market Participant to estimate the Facility Speed Factor likely to be applied to its Facility);
- (h) viii. the process for a Market Participant to seek to amend the Frequency Co-optimised Essential System Service Accreditation Parameters for a Facility;
- (i) ix. the process AEMO will follow in considering whether to amend the Frequency Co-optimised Essential System Service Accreditation Parameters for a Facility, including examples of changes to Facility performance that would lead to an adjustment of the Frequency Co-optimised Essential System Service Accreditation Parameters;
- (j) <u>x.</u> the processes to be followed by AEMO and Market Participants for any tests and re-tests of a Facility for the accreditation of a Facility to provide a Frequency Co-optimised Essential System Service;
- (k) <u>xi.</u> timeframes for notification requirements and provision of information including updating any Standing Data <u>or such other</u> <u>place as determined by AEMO</u>; and
- (1) xii. any other processes or requirements relating to the accreditation of a Facility to provide a Frequency Co-optimised Essential System Service that AEMO considers are reasonably required to enable it to perform its functions under this section 2.34A; and
- (b) in respect to RoCoF Ride-Through Capability:
  - i. the type and form of information which Market Participants and Network Operators must provide to AEMO;

- ii. the matters AEMO must take into account in determining whether to deem a Facility's RoCoF Ride-Through Capability as being equal to the RoCoF Safe Limit under clause 2.34A.12H;
- iii. the processes to be followed by Market Participants and Network

  Operators that wish to apply for the RoCoF Ride-Through Capability
  accredited to its Facility to be re-determined by AEMO;
- iv. the processes to be followed by AEMO in considering whether to re-determine the RoCoF Ride-Through Capability accredited to a Facility, which may include examples of changes to a Facility's performance that would lead to an adjustment of the RoCoF Ride-Through Capability accredited to the Facility;
- v. the processes to be followed by AEMO, Market Participants and
  Network Operators for any tests and re-tests of a Facility for the
  accreditation, or re-accreditation, of RoCoF Ride-Through
  Capability for a Facility; and
- vi. the timeframes for notification requirements and provision of information, including updating any Standing Data or such other place as determined by AEMO; and
- (c) the processes to be followed by AEMO in determining the RoCoF Ride-Through Cost Recovery Limit.

#### **Publication**

- 2.34A.14 AEMO must publish, and keep up to date, the following information on the WEM Website for each Facility accredited to provide a Frequency Co-optimised Essential System Service:
  - (a) the identity of the Facility;
  - (b) the maximum quantity of each Frequency Co-optimised Essential System

    Service intended to be provided by the Facility and how that value would vary under different Facility operating configurations;
  - (c) where applicable, the Facility Speed Factor for the Facility, and
  - (d) where applicable, the RoCoF Ride-Through Capability.

## **Explanatory note**

The purpose of new section 2.34B is to outline transitional arrangements to give effect to the Taskforce decision in the <u>Information Paper: Supplementary ESS Procurement Mechanism</u> that all Registered Facilities which are capable of participating in Ancillary Services in the 2020 Capacity Year (i.e., 1 October 2020 to 30 September 2021) must be accredited to provide the equivalent FCESS from the start of the new WEM in October 2022. These include:

- 1. Market Participants certified to provide LFAS;
- 2. Market Participants or Ancillary Service Providers certified to provide Spinning Reserve or Load Rejection Reserve; and

3. Synergy whose Facilities within the Balancing Portfolio are capable of providing LFAS, Spinning Reserve or Load Rejection Reserve or the new RoCoF Control Service.

Other Market Participants may seek to accredit their capable Facilities to provide one or more FCESS in accordance with section 2.34A.

# 2.34B Specific Transitional Provisions – Mandatory Essential System Services Accreditation for Specific Facilities

- 2.34B.1 A Market Participant, other than Synergy, that owns, operates or controls an LFAS

  Facility at any time from 1 October 2020 to 30 September 2021, must, unless the

  Market Participant no longer owns, operates or controls the relevant LFAS Facility,
  at least 12 months prior to the New WEM Commencement Day:
  - (a) apply to AEMO for accreditation of its LFAS Facility to provide Regulation Raise and Regulation Lower; and
  - (b) conduct any tests or provide any information that AEMO reasonably requires to accredit the LFAS Facility for Regulation Raise and Regulation Lower;

in accordance with the processes set out in the WEM Procedure specified in clause 2.34A.13.

- 2.34B.2. A Market Participant or Ancillary Service Provider, other than Synergy, that is contracted to provide Spinning Reserve or Load Rejection Reserve under an Ancillary Service Contract at any time from 1 October 2020 to 30 October 2021, must, at least 12 months prior to the New WEM Commencement Day:
  - (a) apply to AEMO for accreditation of its Facility to provide Contingency Reserve Raise or Contingency Reserve Lower, as applicable; and
  - (b) conduct any tests or provide any information that AEMO reasonably requires to accredit the Facility for Contingency Reserve Raise or Contingency Reserve Lower, as applicable;

in accordance with the processes set out in the WEM Procedure specified in clause 2.34A.13.

2.34B.3. At any time prior to New WEM Commencement Day, a Market Participant, other than Synergy, may request AEMO to accredit its Facility for RoCoF Control Service in accordance with section 2.34A and the WEM Procedure specified in clause 2.34A.13.

# **Specific obligations for Synergy**

- 2.34B.4. For each Facility in the Balancing Portfolio that is capable of providing LFAS, Spinning Reserve, Load Rejection Reserve or RoCoF Control Service, Synergy must, at least 12 months prior to the New WEM Commencement Day:
  - (a) apply to AEMO for accreditation of each such Facility to provide Regulation

    Raise, Regulation Lower, Contingency Reserve Raise, Contingency

    Reserve Lower or RoCoF Control Service, as applicable; and

- (b) conduct any tests or provide any information that AEMO reasonably requires to accredit each such Facility for Regulation Raise, Regulation Lower, Contingency Reserve Raise, Contingency Reserve Lower or RoCoF Control Service, as applicable;
- in accordance with the processes outlined by AEMO in the WEM Procedure specified under clause 2.34A.13.
- 2.34B.5. Synergy must consult with AEMO to determine which Facilities in the Balancing Portfolio are to be considered as capable of providing Regulation Raise, Regulation Lower, Contingency Reserve Raise, Contingency Reserve Lower or RoCoF Control Service for the purposes of clause 2.34B.4.

## **AEMO's obligations**

- 2.34B.6. AEMO must process and determine applications made under this section 2.34B for accreditation of a Facility for any Frequency Co-optimised Essential System Services in accordance with the WEM Procedure specified in clause 2.34A.13.
- 2.34B.7. AEMO may prioritise applications for accreditation of a Facility for any Frequency

  Co-optimised Essential System Services made under this section 2.34B over any
  applications for accreditation made under section 2.34A.
- 2.34B.8. Notwithstanding any other provisions in this section [2.34B] or section 2.34A,

  AEMO may, but is not required to, process or determine any applications made under this section [2.34B] or section 2.34A for accreditation of RoCoF Ride
  Through Capability for a Load, before 12 months after New WEM Commencement Day.

## Obligation to offer in FCESS markets

- 2.34B.9. For each Dispatch Interval in the six month period following the New WEM

  Commencement Day, a Market Participant must, in respect of each of its

  Facilities accredited for a Frequency Co-optimised Essential System Service pursuant to an application made under this section 2.34B:
  - (a) submit offers in its Real-Time Market Submissions for each Frequency Cooptimised Essential System Service the Facility is accredited for; and
  - (b) ensure the quantity offered for each Frequency Co-optimised Essential

    System Service is not less than the maximum quantity the Facility is

    accredited for, for that Frequency Co-optimised Essential System Service,

    subject to any Outage affecting the Facility.

#### Application of this section [2.34B]

2.34B.10. This section [2.34B] applies for the initial accreditation by AEMO of the Facilities specified in clauses 2.34B.1, 2.34B.2, 2.34B.3 and 2.34B.4 for a Frequency Co-

- optimised Essential System Service or other specified service. Without limiting section 2.34A, section 2.34A is to apply for:
- (a) the accreditation of all Facilities for a Frequency Co-optimised Essential

  System Service other than the Facilities specified in clauses 2.34B.1,

  2.34B.2, 2.34B.3 and 2.34B.4; and
- (b) any subsequent re-accreditation of a Facility initially accredited for a Frequency Co-optimised Essential System Service or other specified service under this section [2.34B].

# Application of section 1.43 to the WEM Procedure specified in clause 2.34A.13

2.34B.11. Notwithstanding whether AEMO's obligation to develop the WEM Procedure specified in clause 2.34A.13 has commenced, AEMO must, by 1 October 2021, develop that WEM Procedure on the basis that the WEM Procedure is deemed to be a WEM Procedure contained in an Amending Rule in the Tranches 2 and 3 Amending Rules under section 1.43. To avoid doubt, section 1.43 applies to the preparation and documentation of the WEM Procedure specified in clause 2.34A.13, and will, from the commencement of clause 2.34A.13 that requires AEMO to develop or document the WEM Procedure, be deemed to be the relevant WEM Procedure required to be developed under clause 2.34A.13; in accordance with clause 1.43.6(b).

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#### **Explanatory note**

Following further analysis of the complexity of this concept by AEMO, clause 7.5.14 and the defined term in the Glossary are amended to reflect that the RoCoF Upper Limit will be determined annually as opposed to per Dispatch Interval. The RoCoF Upper limit represents the maximum rate of change of frequency expected on the SWIS if only contingency raise was used to maintain SWIS Frequency after a contingency event – that is if no Facilities provided RoCoF Control Service, and no Registered Facilities contributed to System Inertia.

- 7.5.14. AEMO must determine <u>and publish on the WEM Website</u> the RoCoF Upper Limit <u>at</u> least annually, for each Dispatch Interval, and must publish the RoCoF Upper Limit:
  - (a) where the RoCoF Upper Limit is set in advance of the Dispatch Interval, prior to the start of the Dispatch Interval; or
  - (b) where the RoCoF Upper Limit is determined by the Dispatch Algorithm, in real-time as part of the Dispatch Algorithm for the Dispatch Interval.

. . .

**RoCoF Upper Limit**: Means, for a Dispatch Interval, the maximum RoCoF expected on the SWIS if Contingency Reserve was solely used to maintain SWIS frequency after a Contingency Event.

#### **Explanatory note**

New definitions for RoCoF Ride-Through Cost Recovery Limit and RoCoF Causer are to be added to the Glossary.

RoCoF Ride-Through Cost Recovery Limit: Means the limit set by AEMO under clause 2.34A.12I that is used to determine the set of RoCoF Causers that must pay for the RoCoF Control Service under Appendix 2B.

**RoCoF Causer:** Means the set of Rule Participants identified in accordance with Appendix 2B that must pay for the RoCoF Control Service.

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#### **Explanatory note**

Appendix 2B requires minor consequential amendments to reflect the changes pursuant to the introduction of the RoCoF Ride-Through Cost Recovery Limit. The relevant clauses are now drafted to reflect that a Rule Participant will be captured in the set of "Causers" and be liable to pay if its Facility's RoCoF Ride-Through Capability is lower than the RoCoF Ride-Through Cost Recovery Limit.

## **Appendix 2B:**

...

- 2.2 For each Trading Interval t, define the set of RoCoF Causers(t), being each of:
  - (a) Network Causer(t): the subset of <u>Facilities registered to Network Operators</u>

    which are RoCoF Causers(t) being the Network Operator which does not hold an exemption under 2.34A.12J in Trading Interval t;
  - (b) Injection Causer(t): the subset of RoCoF Causers(t) being each Registered Facility Facilities which injects energy into the SWIS, which haves a non-zero Metered Schedule in Trading Interval t and which are RoCoF Causers does not hold an exemption under 2.34A.12J in Trading Interval t; and
  - (c) Offtake Causer(t): the subset of RoCoF Causers(t) being:
    - i. all Registered Facilities which comprise only Scheduled Loads; and
    - all Non-Dispatchable Loads associated with or served by a Market Participant (including Synergy's Notional Wholesale Meter where Synergy is the Market Participant),

which consume energy from the SWIS, which have non-zero Metered Schedules in Trading Interval t and which Market Participant associated with the relevant Load are RoCoF Causers has not demonstrated that the relevant Load holds an exemption under 2.34A.12J in Trading Interval t.

. . .