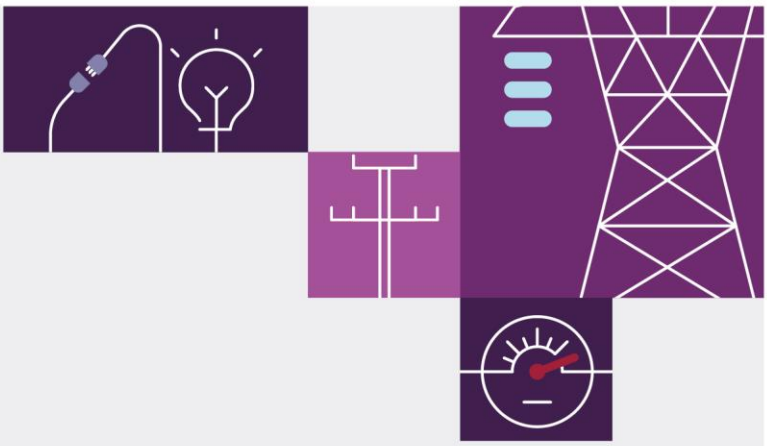
Review of Power System Reclassification Events – 1 November 2021 to 30 April 2022

September 2022

A report for the National Electricity Market



Important notice

Purpose

AEMO has prepared this report on its power system reclassification decisions in the National Electricity Market for the period 1 November 2021 to 30 April 2022 in accordance with clause 4.2.3A(i) of the National Electricity Rules.

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1 Introduction

This report sets out AEMO's reasons for decisions to reclassify *non-credible contingency events* as *credible contingency events* under clause 4.2.3A(g) of the National Electricity Rules (NER).

AEMO is required by clause 4.2.3A(i) of the NER to report on reclassification decisions every six months. This report covers the period from 1 November 2021 to 30 April 2022 (reporting period). The report includes:

1. An explanation of how AEMO applied the criteria established in accordance with clause 4.2.3B for each of these decisions.
2. AEMO's analysis of reclassification trends during the reporting period, and its appraisal of the appropriateness of the relevant criteria applied in the case of each reclassification decision.

This document uses terms defined in the NER, with the same meanings.

References to times in this report, unless otherwise specified, are to Australian Eastern Standard Time (AEST).

2 Overview

There was a total of 563 reclassification events in this reporting period, compared to 706 reclassification events during the previous summer reporting period (1 November 2020 to 30 April 2021). The total number of reclassification events was lower compared to last summer period but similar to the historical summer period average (average of 566 reclassification events in summer since 2013).

All reclassifications in this reporting period were appropriately determined in accordance with the reclassification criteria in AEMO's Power System Security Guidelines SO_OP_3715[1], for bushfires, lightning, severe weather, or other reasons.

During the reporting period 1 November 2021 to 30 April 2022 AEMO took action to maintain power system security during seven abnormal conditions, including two *protected events*.

AEMO notified *Market Participants*, via Market Notices (MNs)[2], of the reasons for reclassifying each of these *non-credible contingency events*.

[1] AEMO, Power System Security Guidelines. Power system operating procedures are available at http://aemo.com.au/Electricity/National–Electricity–Market–NEM/Security–and–reliability/Power–system–operation.

[2] Market Notices are issued through the Market Management System. They are updated in real time by AEMO to notify market participants of events that have an impact on the market. Market Notices are also published on AEMO's website at https://www.aemo.com.au/Electricity/National–Electricity–Market–NEM/Market–notices–and–events.

3 AEMO's role

In general terms, the *power system* is operated such that it will remain in a *satisfactory operating state*[3] following the loss of a single major *transmission* or *generation* element. These events are defined as *credible contingency events*[4] and include:

- Unexpected loss of a single transmission line, transformer, or reactive plant.
- Unexpected loss of a single generating unit.

AEMO considers the occurrence of these events to be reasonably possible.

A *non-credible contingency event* is a *contingency event* other than a *credible contingency event*. Examples include:

- Three phase electrical faults.
- The trip of any busbar in the transmission network.
- The trip of more than one transmission element.
- The trip of transmission plant in a manner not considered likely (for example, a transmission line that trips at one end only).
- The trip of multiple generating units.

AEMO is not required to operate the *power system* with the capability to remain in a *satisfactory operating state* following *non-credible contingency events* (other than any *protected events*), as the likelihood of their occurrence is low.

AEMO must reclassify a *non-credible contingency event* as a *credible contingency event* if the likelihood of this event impacting the *power system* has become reasonably possible due to *abnormal conditions*. *Abnormal conditions* may include severe weather conditions, lightning, and bushfires[5].

[3] Refer to clause 4.2.2 of the NER.

[4] Refer to clause 4.2.3 of the NER.

[5] Refer to clause 4.2.3A (a) of the NER.

4 Reclassification criteria

AEMO has developed criteria for determining whether a *non-credible contingency event* should be reclassified as a *credible contingency event* (reclassification criteria). The reclassification criteria are specified in AEMO's Power System Security Guidelines SO_OP_3715[6]. The reclassification criteria apply to:

- Bushfires.
- Lightning.
- Severe weather (the majority of 'severe weather' reclassifications were due to weather warnings from the Bureau of Meteorology [BoM]. These warnings covered weather events like high winds or cyclone).
- Occurrence of a *non-credible contingency event*.
- Other events (this includes events that do not fall into the other categories; examples include events with the potential to impact multiple generating units, vulnerable transmission elements due to a planned outage nearby, or pollution impacting transmission line insulators).

The following section analyses how AEMO reclassified *non-credible contingency events* using the reclassification criteria for the reporting period.

[6] AEMO published a new version of Power System Security Guidelines SO_OP_3715 on 23 September 2019, which introduced two new reclassification criteria, *severe weather conditions* and *non-credible contingency event*.

5 Reclassification events, 1 November 2021 to 30 April 2022

AEMO reclassified 563 events during the reporting period, a decrease of 143 events from the same period in 2021. Table 1 summarises these events.

Refer to Appendix A1 for a complete list of events.

Table 1 **Reclassification events for period 1 November 2021 to 30 April 2022**

Criteria	Number of reclassification events	Incidence of contingency occurring during reclassification
Bushfires	0	0
Lightning	527	0
Severe weather	15	0
Other[A]	21	0
Total for period	563	0

A. This includes any reclassifications due to occurrence of n*on-credible contingency events* or other reasons.

AEMO reclassified all lightning events in accordance with the reclassification criteria specified in Section 8.4 of SO_OP_3715.

There were 36 events reclassified under 'severe weather' and 'other' criteria according to Sections 8.5, 8.6, and 8.7 of SO_OP_3715. Most of these were reclassified due to either:

- Forecast abnormal weather conditions (such as severe weather warnings due to high wind or cyclones), or
- Occurrence of a *non-credible contingency event* following which AEMO considered there was a reasonable possibility of re-occurrence.

There were no occurrences of events while they were reclassified as credible.

Figure 1 shows the number of reclassification events per region for the reporting period, and Figure 2 shows the historical trend of reclassification events by event criteria.

The total number of reclassification events in this reporting period was similar to the historical summer period average (average of 566 reclassification events since 2013).

The number of reclassified transmission elements decreased in this reporting period compared to the previous reporting period (1 November 2020 to 30 April 2021), from 44 to 36. The number of reclassified transmission elements increased compared to the last winter period (1 May 2021 to 31 October 2021), from 33 to 36.

The number of reclassifications decreased by 19% overall, from 706 in the previous winter to 563 this reporting period. Compared to the previous summer, the largest decrease was observed for reclassifications due to lightning, which decreased from 679 to 527.

Victoria experienced the largest increase in reclassifications compared to last summer period (115 to 149). The Eildon – Mt Beauty No. 1 and No. 2 220 kilovolt (kV) lines were reclassified 60 times due to lightning during the current reporting period compared to 50 times during the last summer period.

Queensland experienced the largest decrease in reclassifications compared to last summer period (391 to 230). The Tarong – Chinchilla 7183 and 7168 132 kV lines were reclassified 52 times due to lightning during the current reporting period compared to 61 times during the last summer period.

Tasmania also experienced a significant decrease in reclassifications compared to last summer period (80 to 55). The Farrell – John Butters 220 kV line and Farrell – Rosebery Tee Queenstown – Newton 110 kV lines were reclassified 11 times due to lightning during the current reporting period compared to 20 times during the last summer period.

The number of reclassifications in New South Wales and South Australia during this reporting period was similar to the previous summer period.

There were 15 instances of events reclassified due to “Severe weather” in this reporting period compared to 12 instances from the previous summer period. Reclassifications due to “Other events” increased by seven (from 13 to 21) compared to the previous summer period.

Figure 1 **Reclassifications per region, 1 November 2021 to 30 April 2022**

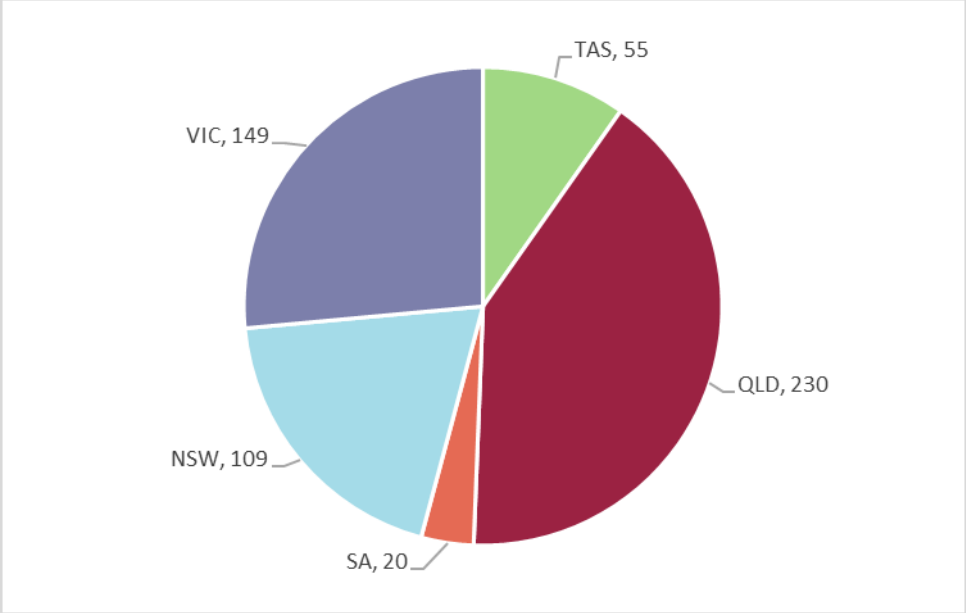
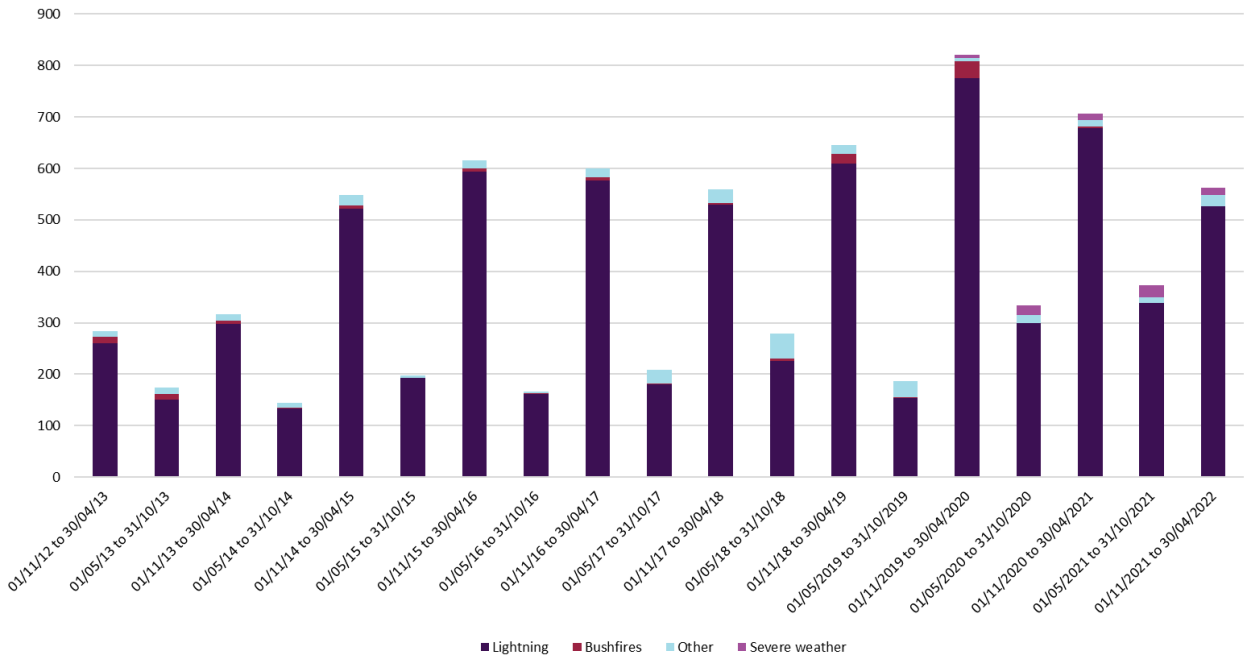


Figure 2 **Historical reclassification events, 2012-13 to 2022**



Note: Figure 2 does not include 'severe weather' for the reclassification periods prior to 1 November 2019 as it was previously included in the 'other' category. 'Severe weather' became a new category and was only included from the report covering 1 November 2019 to 30 April 2020.

Appendix A3 lists all the reclassified elements and the number of times they were reclassified during the period 1 November 2021 to 30 April 2022.

6 Non-credible contingency events, 1 November 2021 to 30 April 2022

During the reporting period, 22 *non-credible contingency events* occurred. By the end of this reporting period, AEMO had reclassified 13 of these events as *credible contingency events*, after assessing there was a risk of the event reoccurring.

Note that the following reclassification event cancelled within this reporting period was initially reclassified before the period and is therefore not listed in Appendix A1:

- Trip of Numurkah Solar Farm and any 220 kV transmission line between Dederang and Bendigo Terminal Stations, cancelled on 29 April 2022.

Appendix A4 lists all *non-credible contingency events* that occurred during the reporting period and AEMO's assessment of whether to reclassify each event as credible. The rows highlighted in teal in Appendix A4 explain the *contingency events* corresponding to the reclassifications highlighted in teal in Appendix A1.

Reclassifications of *non-credible contingency events* that occurred in this reporting period and remain reclassified at the time of publishing this report are:

- Trip of Kiamal Solar Farm – Red Cliffs 220 kV line and Buronga No. 2 and No. 3 synchronous condensers reclassified on 1 March 2022 and updated on 19 August 2022.
- Trip of Gladstone Power Station Units 3 and 4, reclassified on 2 April 2022.
- Trip of Knights Rd – Kermandie Tee Huon River 110 kV line and 110 kV CB A152 at Kingston, reclassified on 17 April 2022.

The transmission elements that were reclassified prior to the reporting period and remained reclassified at the end of the reporting period are not included in this report.

The following *non-credible contingency events* were considered reviewable operating incidents which were also reclassified as credible after occurrence.

6.1 Trip of Heywood – Alcoa Portland No. 2 500 kV line at Alcoa Portland end only in Victoria

At 0722 hrs on 21 December 2021, Circuit Breaker (CB) 5100 tripped at Alcoa Portland 500 kV substation, disconnecting the Heywood (HYTS) – Alcoa Portland (APD) 500 kV No. 2 line at the APD end only. At 0755 hrs on 21 December 2021, CB 5100 at APD 500 kV substation was returned to service.

The cause of this non-credible contingency was not known to AEMO at the time of the event. As such, AEMO considered that a re-occurrence of the opening of HYTS – APD No. 2 500 kV line at APD end only was reasonably possible and reclassified it as a *credible contingency event* on 21 December 2021.

AEMO issued Market Notice (MN) 93318 at 0804 hrs on 21 December 2021 to advise that this incident had been reclassified as a *credible contingency event* until further notice.

Post-incident investigation determined that:

1. The trip of HYTS – APD No. 2 500 kV line at the APD 500 kV substation end only was caused by a toggling blue phase remote trip signal which caused CB 5100 to trip.
2. Testing of the relay by the manufacturer could not replicate the error.
3. AusNet completed insulation testing of all associated cabling and has replaced the affected Test Isolate Switch (TIS) and Y protection relay at APD substation.

Following replacement of the faulty relay and advice from AusNet that this event is unlikely to reoccur, AEMO cancelled reclassification of this incident as a *credible contingency event* on 8 September 2022.

The published incident report[7] provides more details related to this event.

6.2 Trip of Rowville Terminal Station – Yallourn Power Station No. 8 220 kV line at Rowville end only in Victoria

At 2055 hrs on 30 December 2021, the Rowville Terminal Station (ROTS) – Yallourn Power Station (YPS) No. 8 220 kV line tripped at the ROTS end only. At 2056 hrs on 30 December 2021, AusNet closed the open CBs at ROTS. At 2057 hrs, the ROTS-YPS No. 8 line tripped at both ends and remained out of service.

At 0000 hrs on 31 December 2021, AusNet advised AEMO that the circuit trip was due to a malfunction of the Set X protection due to a faulty communications card at ROTS. At 0152 hrs on 31 December 2021, the ROTS-YPS No. 8 220 kV line was returned to service. AusNet confirmed to AEMO that the communications card at ROTS had been replaced and the event was unlikely to re-occur. Based on this information, AEMO did not reclassify the incident as a *credible contingency event*.

At 2042 hrs on 06 January 2022, a single ended trip of the ROTS-YPS No. 8 220 kV line re-occurred, tripping at the ROTS end only. At 2044 hrs on 6 January 2022, AusNet closed the open CBs at ROTS putting the ROTS-YPS No. 8 220 kV line back on load.

Subsequently, after the second incident, during AusNet's incident investigation, it was identified that AusNet site staff had replaced a communication card on site as a precaution only, but the investigation into the root cause was still ongoing. Once this information was received by AEMO, AEMO considered that a re-occurrence of these incidents was reasonably possible. Therefore, AEMO reclassified this incident as a credible contingency from 1030 hrs on 21 February 2022.

Post-incident investigation confirmed that both incidents were caused by maloperation of distance protection. In both incidents, this was due to communication disturbances, which led to a loss of synchronism between protection relays at both ends on the line. However, in both incidents this asynchronism caused only the relay at ROTS end to trip. AusNet has modified the distance protection settings in the affected L90 relays on the ROTS-YPS 220 kV lines to desensitise the distance protection for similar communication disturbances. These protection setting changes include increasing current supervision for distance protection and addition of an interlock current differential trip with disturbance detector.

[7] At https://www.aemo.com.au/-/media/files/electricity/nem/market_notices_and_events/power_system_incident_reports/2021/trip-of-heywood-alcoa-portland-500-kv-line.pdf?la=en.

Given these changes, at 1030 on 3 June 2022, AusNet advised AEMO that the re-occurrence of the trip was not reasonably possible based on changes made to the protection settings as described above. AEMO responded and cancelled the reclassification of this event as a credible contingency.

The published incident report[8] provides more details related to this event.

6.3 Trip of Red Cliffs – Kiamal 220 kV line and Kiamal synchronous condenser in Victoria and Buronga No. 2 and No. 3 synchronous condensers in New South Wales

During the period 11 November 2020 to 30 March 2022, Buronga No. 1, No. 2 and No. 3 synchronous condensers in the New South Wales region tripped on multiple occasions. Out of all the incidents, reclassifications were required and issued only for one incident, which occurred at 0423 hrs on 1 March 2022. The incident involved trip and auto-reclose of Red Cliffs – Kiamal (RCTS-KMTS) 220 kV line due to lightning. As a result of this incident, Kiamal synchronous condenser in Victoria and Buronga No. 2 and No. 3 synchronous condensers in New South Wales also tripped. The tripping of the Buronga No. 2 and No. 3 synchronous condensers caused an inter-trip to be sent to Darlington Point Solar Farm, which was not generating at the time.

The tripping of the RCTS-KMTS 220 kV line initiated the operation of the Murraylink Automatic Very Fast Run Back Scheme, since Murraylink was transferring 140 MW in the direction of South Australia.

The Generator Fast Trip Scheme 2 was also triggered and operated as designed to trip both Murra Warra wind farms (generating in total, approximately 90 MW, prior to this event).

The cause of the 1 March 2022 *non-credible contingency event* was not known and AEMO was not satisfied at the time that this event was unlikely to re-occur. Therefore, AEMO reclassified this event as a *credible contingency event* from 0840 hrs on 1 March 2022 until further notice.

Initially, it was unclear whether the tripping of the Kiamal synchronous condenser and the Buronga No. 2 and No. 3 synchronous condensers were separate events. Therefore, only the RCTS-KMTS 220 kV line and the Kiamal synchronous condenser were reclassified from 0830 hrs on 1 March 2022.

After consulting with TransGrid, AEMO included the Buronga No. 2 and No. 3 synchronous condensers in the reclassification from 1536 hrs on 1 March 2022 until further notice. The reclassification is ongoing until Octopus Investments confirms to AEMO the outcome of the site investigation and that the incident is unlikely to re-occur.

The synchronous condenser at KMTS tripped due to the failure of synchronous condenser internal CB. At the time of the trip, the Kiamal Solar Farm was not generating.

On 19 August 2022, AEMO was advised by Total Eren that the failure occurred due to a leaking vacuum interrupter that was either caused by the lightning strike or was pre-existing and made worse by the strike. The failed CB was replaced on 29 April 2022. Total Eren and the manufacturer have advised that there is no reason to suspect this same issue is present on remaining CBs. As a result, AEMO removed Kiamal synchronous condenser from the standing reclassification on 19 August 2022.

[8] At https://www.aemo.com.au/-/media/files/electricity/nem/market_notices_and_events/power_system_incident_reports/2021/trip-of-rowville-terminal-station---yallourn-power-station-no8-220-kv-line.pdf?la=en.

ESCO Pacific confirmed that a faulty logic in the Programmable Logic Controller (PLC) control program caused the majority of the Buronga No. 1 synchronous condenser trips. The original equipment manufacturer is currently implementing the code corrections and will conduct further testing following the code correction work.

Octopus Investments confirmed that the maloperation of stator differential protection and vibration protection caused the majority of the Buronga No. 2 and No. 3 synchronous condenser trips. Octopus Investments has identified that the stator differential protection of the Buronga No. 2 and No. 3 synchronous condensers is sensitive to external events, which can cause it to operate erroneously. Octopus Investments has also confirmed that the Buronga No. 2 and No. 3 synchronous condensers have tripped multiple times on vibration protection due to Electromagnetic Interference (EMI) from lightning. Octopus Investments and TransGrid are currently trying to confirm the root cause of these issues.

The reclassification of the RCTS-KMTS 220 kV line and Buronga No. 2 and No. 3 synchronous condensers will remain in place until Octopus Investments confirms to AEMO the findings of the detailed investigation and confirms that any associated repair works have been completed on the Buronga No.2 and No.3 synchronous condensers.

6.4 Trip of Hazelwood – Cranbourne No. 4 500 kV line at Hazelwood end only in Victoria

At 2343 hrs on 2 March 2022, a pole discrepancy alarm and trip were received for the Cranbourne No. 4 Line/Loy Yang Power Station No. 3 Line (CBTS4/LYPS3) 500 kV CB at Hazelwood (HWTS). The CBTS4/LYPS3 500 kV CB tripped, offloading the HWTS-CBTS No. 4 500 kV line.

At 2350 hrs on 2 March 2022 the CBTS4/LYPS3 500 kV CB at HWTS was manually closed and held to return the HWTS-CBTS No. 4 500 kV line back into service.

The cause of this non-credible contingency was not known to AEMO at the time of the event. As such, AEMO considered the re-occurrence of the HWTS-CBTS No. 4 500 kV line trip at HWTS end was reasonably possible and reclassified the event as a credible contingency.

The cause of the trip of Hazelwood – Cranbourne No. 4 500 kV line at Hazelwood end only was identified as the faulty contact inputs on the relay that indicated the closed status of the CB.

On 7 March 2022, AusNet advised AEMO that the faulty input module of the Circuit Breaker Management (CBM) relay had been replaced and confirmed that the event was no longer reasonably possible. AEMO then cancelled the reclassification of this event as a credible contingency.

The published incident report[9] provides more details related to this event.

[9] At https://www.aemo.com.au/-/media/files/electricity/nem/market_notices_and_events/power_system_incident_reports/2022/the-trip-of-hazelwood-cranbourne-no-4-500-kv-line.pdf?la=en.

7 Reclassification constraints

When AEMO reclassifies an event, it seeks to operate the *power system* so it stays in a *satisfactory operating state* should the (now) *credible contingency event* occur. AEMO typically invokes constraint equations to manage the *power system* accordingly while an event is reclassified.

Appendix A5 lists the binding constraint equations during reclassification events over the reporting period.

There were five reclassified events that resulted in binding constraint equations. This means that in the 558 other instances, the reclassification constraints did not affect dispatch outcomes.

8 Abnormal conditions and protected events

This section includes analysis of abnormal conditions in the NEM during the reporting period for which AEMO took action to maintain power system security to manage increased risks of a *non-credible contingency event* occurring, but where there was no reclassification because the widespread nature of the conditions made it impractical to identify specific transmission or generation elements at risk. Such widespread abnormal conditions typically arise during extreme weather events, such as severe weather causing damaging or destructive winds, tropical cyclones and widespread bushfires. Following a change to the NER in 2022[10], AEMO is currently consulting via the Power System Security Working Group on incorporating the management of these types of abnormal conditions into the reclassification criteria.

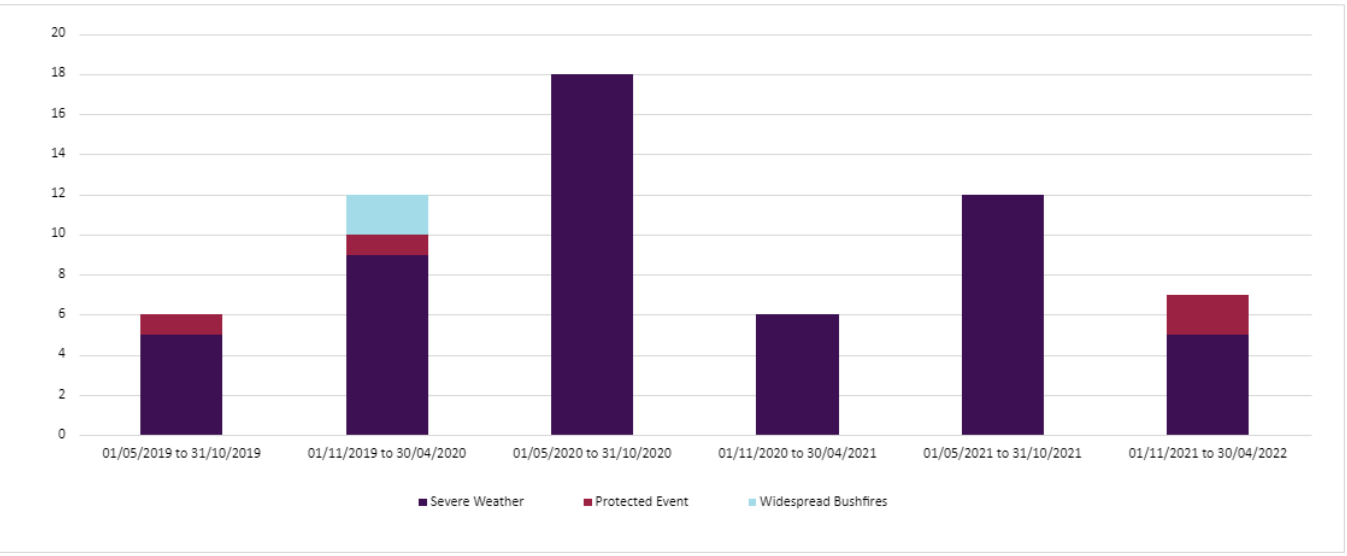
This section also provides information on *protected event* occurrences. Since June 2019 there has been a *protected event* in SA, defined as: "the loss of multiple transmission elements causing generation disconnection in the South Australia region during forecast destructive wind conditions".

In the reporting period, AEMO took action to maintain power system security during seven abnormal conditions, including two *protected events* as shown in Appendix A2. Of these, three were in Victoria and four in SA, including the *protected events*. Since June 2019, AEMO has taken action to manage a *protected event* on four occasions.

Figure 3 shows the historical trend of abnormal conditions and *protected events* where AEMO took actions to maintain *power system security* since June 2019.

Appendix A6 lists the binding constraint equations during abnormal conditions and *protected events* over the reporting period.

Figure 3 **Abnormal conditions / protected events where AEMO took action, six monthly trend, 2019 to 2022**



[10] *National Electricity Amendment (Enhancing operational resilience in relation to indistinct events) Rule 2022 No. 1)*. Available on the AEMC website at: https://www.aemc.gov.au/rule-changes/enhancing-operational-resilience-relation-indistinct-events

9 Conclusion

AEMO concludes that, during the reporting period 1 November 2021 to 30 April 2022:

1. AEMO's reclassification decisions were appropriate and consistent with the reclassification criteria.
2. AEMO notified Market Participants of the reasons for reclassifying *non-credible contingency events*.
3. The total number of reclassification events in the NEM was significantly lower compared to the last summer period and similar to the historical summer period average.

A1. Reclassification events, 1 November 2021 to 30 April 2022

- **INDJI** – Indji Watch (INDJI) is a system that monitors live information feeds on hazards such as bushfires and displays their positions relative to the locations of transmission assets and is used to provide detection and location of cloud to ground lightning strikes across the National Electricity Market (NEM) transmission system.
- **BOM** – AEMO receives advice from the Bureau of Meteorology (BOM) when severe weather is forecast in regions that may impact the NEM transmission system.

The reclassification events highlighted in teal in Table 3 below were reclassified after a *non-credible contingency event* occurred. Further details on the reclassifications highlighted in teal can be found in Appendix A4.

Table 2 **Reclassification events 1 November 2021 to 30 April 2022**

Start MN	Start of event	End of event	End MN	Equipment	Region	Reason	Source
92156	06/11/2021 1315 hrs	06/11/2021 2000 hrs	92183	Brinkworth – Davenport, Brinkworth – Templers West and Para – Templers West 275 kV lines	SA	Other	BOM
92157	06/11/2021 1400 hrs	06/11/2021 2000 hrs	92184	Para – Templers West and Magill – Torrens Island A 275 kV lines	SA	Other	BOM
92162	06/11/2021 1445 hrs	06/11/2021 1845 hrs	92181	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
92163	06/11/2021 1515 hrs	06/11/2021 1915 hrs	92182	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
92167	06/11/2021 1645 hrs	06/11/2021 1845 hrs	92180	Hazelwood – Rowville No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
92185	06/11/2021 2130 hrs	06/11/2021 2330 hrs	92186	Hazelwood – Rowville No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI

Start MN	Start of event	End of event	End MN	Equipment	Region	Reason	Source
92188	07/11/2021 0600 hrs	07/11/2021 1000 hrs	92189	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
92190	07/11/2021 1230 hrs	07/11/2021 1630 hrs	92203	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
92223	07/11/2021 1250 hrs	08/11/2021 1550 hrs	92245	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
92192	07/11/2021 1330 hrs	07/11/2021 1530 hrs	92202	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
92194	07/11/2021 1400 hrs	07/11/2021 1500 hrs	92197	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
92205	07/11/2021 1750 hrs	08/11/2021 0350 hrs	92217	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
92206	07/11/2021 1830 hrs	07/11/2021 2040 hrs	92209	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
92207	07/11/2021 1840 hrs	07/11/2021 2145 hrs	92211	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
92208	07/11/2021 2030 hrs	08/11/2021 0335 hrs	92216	Condabri North – Condabri Central 7400 and 7401 132 kV lines	QLD	Lightning	INDJI
92212	07/11/2021 2230 hrs	07/11/2021 2335 hrs	92214	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
92213	07/11/2021 2235 hrs	07/11/2021 2335 hrs	92215	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
92229	08/11/2021 1355 hrs	08/11/2021 1600 hrs	92246	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INDJI
92247	08/11/2021 1620 hrs	08/11/2021 1725 hrs	92250	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
92277	09/11/2021 1610 hrs	09/11/2021 2230 hrs	92286	Collinsville North – Newlands 7121 132 kV line and Collinsville North – Stoney Creek 7306 132 kV line	QLD	Lightning	INDJI
92278	09/11/2021 1720 hrs	09/11/2021 2220 hrs	92285	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
92280	09/11/2021 1750 hrs	09/11/2021 2055 hrs	92283	Condabri North – Condabri Central 7400 and 7401 132 kV lines	QLD	Lightning	INDJI
92289	10/11/2021 0530 hrs	10/11/2021 0630 hrs	92290	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI

Start MN	Start of event	End of event	End MN	Equipment	Region	Reason	Source
92291	10/11/2021 0700 hrs	10/11/2021 1500 hrs	92299	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
92300	10/11/2021 1530 hrs	10/11/2021 1930 hrs	92320	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
92307	10/11/2021 1750 hrs	10/11/2021 2055 hrs	92321	Condabri North – Condabri Central 7400 and 7401 132 kV lines	QLD	Lightning	INDJI
92319	10/11/2021 1925 hrs	11/11/2021 0125 hrs	92324	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
92322	10/11/2021 2250 hrs	11/11/2021 2230 hrs	92354	Brinkworth – Davenport, Brinkworth – Templers West and Para – Templers West 275 kV lines	SA	Other	BOM
92323	11/11/2021 0030 hrs	11/11/2021 0230 hrs	92325	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INDJI
92330	11/11/2021 1010 hrs	11/11/2021 1115 hrs	92333	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
92334	11/11/2021 1150 hrs	11/11/2021 1450 hrs	92344	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
92352	11/11/2021 2115 hrs	11/11/2021 2215 hrs	92353	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
92356	12/11/2021 1145 hrs	13/11/2021 0610 hrs	92377	Collinsville – Stoney Creek 7306 132 kV line and Collinsville – Newlands 7121 132 kV line	QLD	Lightning	INDJI
92358	12/11/2021 1305 hrs	12/11/2021 1410 hrs	92359	Strathmore – Clare South 7208 and Collinsville North – Tee King Creek – Clare South 7128 132 kV lines	QLD	Lightning	INDJI
92360	12/11/2021 1425 hrs	12/11/2021 1725 hrs	92368	Strathmore – Clare South 7208 and Collinsville North – Tee King Creek – Clare South 7128 132 kV lines	QLD	Lightning	INDJI
92361	12/11/2021 1600 hrs	12/11/2021 1700 hrs	92366	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
92367	12/11/2021 1725 hrs	12/11/2021 1925 hrs	92371	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
92370	12/11/2021 1845 hrs	12/11/2021 2045 hrs	92372	Strathmore – Clare South 7208 and Collinsville North – Tee King Creek – Clare South 7128 132 kV lines	QLD	Lightning	INDJI
92373	12/11/2021 2220 hrs	12/11/2021 2320 hrs	92374	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI

Start MN	Start of event	End of event	End MN	Equipment	Region	Reason	Source
92407	14/11/2021 1240 hrs	14/11/2021 1640 hrs	92414	Hazelwood – Rowville No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
92410	14/11/2021 1515 hrs	14/11/2021 1615 hrs	92412	Bayswater – Mt Piper 5A3 and Wollar – Mt Piper 5A5 500 kV line	NSW	Lightning	INDJI
92411	14/11/2021 1525 hrs	14/11/2021 1725 hrs	92417	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
92413	14/11/2021 1620 hrs	14/11/2021 1720 hrs	92416	Farrell – John Butters 220 kV line & Farrell – Rosebery Tee Queenstown – Newton 110 kV line	TAS	Lightning	INDJI
92415	14/11/2021 1650 hrs	14/11/2021 1750 hrs	92418	Bayswater – Mt Piper 5A3 and Wollar – Mt Piper 5A5 500 kV line	NSW	Lightning	INDJI
92430	15/11/2021 1705 hrs	16/11/2021 1710 hrs	92461	Koolkhan No. 3 132 kV bus section and the Armidale – Metz – Koolkhan 966 132 kV line	NSW	Other	TNSP
92432	16/11/2021 0450 hrs	16/11/2021 0650 hrs	92435	Strathmore – Clare South 7208 and Collinsville North – Tee King Creek – Clare South 7128 132 kV lines	QLD	Lightning	INDJI
92457	16/11/2021 1505 hrs	17/11/2021 0120 hrs	92467	Collinsville – Stoney Creek 7306 132 kV line and Collinsville – Newlands 7121 132 kV line	QLD	Lightning	INDJI
92459	16/11/2021 1555 hrs	17/11/2021 0120 hrs	92468	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
92460	16/11/2021 1600 hrs	17/11/2021 0120 hrs	92469	Strathmore – Clare South 7208 and Collinsville North – Tee King Creek – Clare South 7128 132 kV lines	QLD	Lightning	INDJI
92464	16/11/2021 2200 hrs	17/11/2021 0000 hrs	92466	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INDJI
92480	17/11/2021 1310 hrs	17/11/2021 1810 hrs	92492	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
92481	17/11/2021 1350 hrs	17/11/2021 2005 hrs	92496	Collinsville – Stoney Creek 7306 132 kV line and Collinsville – Newlands 7121 132 kV line	QLD	Lightning	INDJI
92483	17/11/2021 1400 hrs	17/11/2021 2005 hrs	92497	Strathmore – Clare South 7208 and Collinsville North – Tee King Creek – Clare South 7128 132 kV lines	QLD	Lightning	INDJI
92490	17/11/2021 1540 hrs	17/11/2021 1940 hrs	92495	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
92493	17/11/2021 1935 hrs	18/11/2021 1615 hrs	92570	Para – Templers West and Magill – Torrens Island A 275 kV lines	SA	Other	BOM

Start MN	Start of event	End of event	End MN	Equipment	Region	Reason	Source
92494	17/11/2021 1940 hrs	18/11/2021 1615 hrs	92571	Brinkworth – Davenport, Brinkworth – Templers West and Para – Templers West 275 kV lines	SA	Other	BOM
92533	18/11/2021 1225 hrs	18/11/2021 1324 hrs	92534	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
92535	18/11/2021 1335 hrs	18/11/2021 1939 hrs	92578	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
92572	18/11/2021 1615 hrs	18/11/2021 1914 hrs	92577	Strathmore – Clare South 7208 and Collinsville North – Tee King Creek – Clare South 7128 132 kV lines	QLD	Lightning	INDJI
92574	18/11/2021 1715 hrs	18/11/2021 2014 hrs	92579	Condabri North – Condabri Central 7400 and 7401 132 kV lines	QLD	Lightning	INDJI
92623	19/11/2021 1830 hrs	19/11/2021 2034 hrs	92624	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
92646	20/11/2021 2120 hrs	20/11/2021 2319 hrs	92647	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
92648	20/11/2021 2340 hrs	21/11/2021 0030 hrs	92649	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INDJI
92650	21/11/2021 0135 hrs	21/11/2021 0234 hrs	92651	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INDJI
92663	21/11/2021 2110 hrs	22/11/2021 0709 hrs	92666	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
92664	21/11/2021 2140 hrs	22/11/2021 0509 hrs	92665	Condabri North – Condabri Central 7400 and 7401 132 kV lines	QLD	Lightning	INDJI
92687	24/11/2021 0330 hrs	24/11/2021 0429 hrs	92688	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
92690	24/11/2021 0800 hrs	16/12/2021 1445 hrs	93211	Darling Downs Power Station	QLD	Other	Generator
92691	24/11/2021 1320 hrs	25/11/2021 1854 hrs	92724	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
92692	24/11/2021 1510 hrs	24/11/2021 1914 hrs	92696	Hazelwood – Rowville No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
92698	25/11/2021 0140 hrs	25/11/2021 0542 hrs	92699	Strathmore – Clare South 7208 and Collinsville North – Tee King Creek – Clare South 7128 132 kV lines	QLD	Lightning	INDJI
92700	25/11/2021 0800 hrs	25/11/2021 0905 hrs	92704	Armidale No. 6 Transformer and Armidale No. 1 330 kV Static Var compensator (SVC)	NSW	Other	TNSP

Start MN	Start of event	End of event	End MN	Equipment	Region	Reason	Source
92703	25/11/2021 0825 hrs	25/11/2021 1224 hrs	92706	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
92705	25/11/2021 1110 hrs	25/11/2021 1825 hrs	92722	Collinsville North – Newlands 7121 132 kV line and Collinsville North – Stoney Creek 7306 132 kV line	QLD	Lightning	INDJI
92707	25/11/2021 1315 hrs	25/11/2021 1614 hrs	92717	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
92719	25/11/2021 1655 hrs	25/11/2021 1855 hrs	92724	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
92726	25/11/2021 2225 hrs	26/11/2021 0030 hrs	92727	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
92728	26/11/2021 0130 hrs	26/11/2021 0430 hrs	92729	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
92735	26/11/2021 0745 hrs	26/11/2021 0845 hrs	92757	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
92763	26/11/2021 1110 hrs	26/11/2021 2115 hrs	92776	Strathmore – Clare South 7208 and Collinsville North – Tee King Creek – Clare South 7128 132 kV lines	QLD	Lightning	INDJI
92761	26/11/2021 1110 hrs	26/11/2021 2010 hrs	92774	Collinsville North – Newlands 7121 132 kV line and Collinsville North – Stoney Creek 7306 132 kV line	QLD	Lightning	INDJI
92762	26/11/2021 1110 hrs	26/11/2021 2010 hrs	92775	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
92770	26/11/2021 1655 hrs	26/11/2021 2255 hrs	92777	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
92771	26/11/2021 1720 hrs	26/11/2021 1925 hrs	92772	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INDJI
92773	26/11/2021 1945 hrs	26/11/2021 2345 hrs	92778	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INDJI
92780	27/11/2021 1305 hrs	27/11/2021 1605 hrs	92789	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
92781	27/11/2021 1320 hrs	27/11/2021 1555 hrs	92788	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
92782	27/11/2021 1325 hrs	27/11/2021 1555 hrs	92787	Collinsville North – Newlands 7121 132 kV line and Collinsville North – Stoney Creek 7306 132 kV line	QLD	Lightning	INDJI

Start MN	Start of event	End of event	End MN	Equipment	Region	Reason	Source
92790	27/11/2021 1730 hrs	28/11/2021 1100 hrs	92798	Condabri North – Condabri Central 7400 and 7401 132 kV lines	QLD	Lightning	INDJI
92791	27/11/2021 1815 hrs	27/11/2021 2135 hrs	92793	Strathmore – Clare South 7208 and Collinsville North – Tee King Creek – Clare South 7128 132 kV lines	QLD	Lightning	INDJI
92792	27/11/2021 1845 hrs	28/11/2021 1045 hrs	92797	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
92799	28/11/2021 1105 hrs	28/11/2021 1505 hrs	92805	Strathmore – Clare South 7208 and Collinsville North – Tee King Creek – Clare South 7128 132 kV lines	QLD	Lightning	INDJI
92800	28/11/2021 1255 hrs	28/11/2021 1555 hrs	92808	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
92801	28/11/2021 1405 hrs	28/11/2021 1905 hrs	92811	Collinsville North – Newlands 7121 and Collinsville North – Stoney Creek 7306 132 kV lines	QLD	Lightning	INDJI
92807	28/11/2021 1515 hrs	29/11/2021 0115 hrs	92815	Strathmore – Clare South 7208 and Collinsville North – Tee King Creek – Clare South 7128 132 kV lines	QLD	Lightning	INDJI
92809	28/11/2021 1635 hrs	28/11/2021 1905 hrs	92810	Condabri North – Condabri Central 7400 and 7401 132 kV lines	QLD	Lightning	INDJI
92841	01/12/2021 1215 hrs	01/12/2021 2015 hrs	92857	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
92842	01/12/2021 1350 hrs	01/12/2021 1450 hrs	92846	Lindisfarne – Sorell 110 kV line and Lindisfarne – Sorel Triabunna Tee 110 kV line	TAS	Lightning	INDJI
92843	01/12/2021 1350 hrs	01/12/2021 1450 hrs	92847	Lindisfarne – Mornington Tee – Rokeby No. 1 110 kV line and Lindisfarne – Mornington Tee – Rokeby No. 2 110 kV line	TAS	Lightning	INDJI
92844	01/12/2021 1355 hrs	01/12/2021 2000 hrs	92855	Hazelwood – Rowville No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
92851	01/12/2021 1635 hrs	01/12/2021 1745 hrs	92852	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
92853	01/12/2021 1750 hrs	01/12/2021 1950 hrs	92854	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
92858	01/12/2021 2025 hrs	01/12/2021 2125 hrs	92859	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
92872	02/12/2021 1350 hrs	02/12/2021 1550 hrs	92881	Hazelwood – Rowville No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI

Start MN	Start of event	End of event	End MN	Equipment	Region	Reason	Source
92873	02/12/2021 1425 hrs	02/12/2021 2125 hrs	92918	Lindisfarne – Mornington Tee – Rokeby No. 1 110 kV line and Lindisfarne – Mornington Tee – Rokeby No. 2 110 kV line	TAS	Lightning	INDJI
92874	02/12/2021 1430 hrs	02/12/2021 1635 hrs	92884	Farrell Reece No. 1 and No. 2 220 kV lines	TAS	Lightning	INDJI
92878	02/12/2021 1450 hrs	02/12/2021 1650 hrs	92887	Farrell – John Butters 220 kV line & Farrell – Rosebery Tee Queenstown – Newton 110 kV line	TAS	Lightning	INDJI
92879	02/12/2021 1500 hrs	02/12/2021 1710 hrs	92889	Farrell – Sheffield No. 1 and No. 2 220 kV lines	TAS	Lightning	INDJI
92880	02/12/2021 1540 hrs	02/12/2021 1740 hrs	92896	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
92882	02/12/2021 1555 hrs	02/12/2021 1655 hrs	92888	Sheffield – Wesley Vale 110 kV line and Sheffield – Devonport 110 kV line	TAS	Lightning	INDJI
92883	02/12/2021 1600 hrs	02/12/2021 2000 hrs	92912	Hazelwood – Rowville No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
92886	02/12/2021 1650 hrs	02/12/2021 2050 hrs	92914	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
92885	02/12/2021 1650 hrs	02/12/2021 1715 hrs	92890	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
92895	02/12/2021 1740 hrs	02/12/2021 2110 hrs	92916	Farrell – Sheffield No. 1 and No. 2 220 kV lines	TAS	Lightning	INDJI
92893	02/12/2021 1740 hrs	02/12/2021 1945 hrs	92911	Farrell Reece No. 1 and No. 2 220 kV lines	TAS	Lightning	INDJI
92894	02/12/2021 1740 hrs	02/12/2021 1940 hrs	92910	Farrell – John Butters 220 kV line & Farrell – Rosebery Tee Queenstown – Newton 110 kV line	TAS	Lightning	INDJI
92913	02/12/2021 2050 hrs	02/12/2021 2150 hrs	92919	Sheffield – Wesley Vale 110 kV line and Sheffield – Devonport 110 kV line	TAS	Lightning	INDJI
92915	02/12/2021 2110 hrs	19/08/2022 1730 hrs	101422	Tungatinah – New Norfolk No. 3 110 kV line and Meadowbank Power Station	TAS	Other	TNSP
92917	02/12/2021 2125 hrs	02/12/2021 2225 hrs	92921	Hazelwood – Rowville No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
92920	02/12/2021 2155 hrs	02/12/2021 2355 hrs	92922	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
92923	03/12/2021 0005 hrs	03/12/2021 0105 hrs	92924	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI

Start MN	Start of event	End of event	End MN	Equipment	Region	Reason	Source
92927	03/12/2021 1350 hrs	03/12/2021 1450 hrs	92940	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
92944	03/12/2021 1600 hrs	03/12/2021 1900 hrs	92946	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
92949	04/12/2021 1520 hrs	04/12/2021 1920 hrs	92960	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
92954	04/12/2021 1605 hrs	04/12/2021 1910 hrs	92959	Condabri North – Condabri Central 7400 and 7401 132 kV lines	QLD	Lightning	INDJI
92955	04/12/2021 1645 hrs	04/12/2021 1755 hrs	92956	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INDJI
92961	04/12/2021 2025 hrs	05/12/2021 0125 hrs	92963	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
92968	05/12/2021 1900 hrs	05/12/2021 2105 hrs	92969	Strathmore – Clare South 7208 and Collinsville North – Tee King Creek – Clare South 7128 132 kV lines	QLD	Lightning	INDJI
92978	06/12/2021 1450 hrs	06/12/2021 1950 hrs	92985	Hazelwood – Rowville No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
92987	07/12/2021 0810 hrs	07/12/2021 0915 hrs	92988	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
92989	07/12/2021 0945 hrs	07/12/2021 2145 hrs	93015	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
92993	07/12/2021 1055 hrs	07/12/2021 1755 hrs	93005	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
92996	07/12/2021 1245 hrs	07/12/2021 1850 hrs	93010	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
93011	07/12/2021 1935 hrs	07/12/2021 2335 hrs	93018	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INDJI
93012	07/12/2021 1935 hrs	07/12/2021 2135 hrs	93014	Collinsville North – Newlands 7121 and Collinsville North – Stoney Creek 7306 132 kV lines	QLD	Lightning	INDJI
93013	07/12/2021 2115 hrs	07/12/2021 2220 hrs	93016	Condabri North – Condabri Central 7400 and 7401 132 kV lines	QLD	Lightning	INDJI
93017	07/12/2021 2325 hrs	08/12/2021 0125 hrs	93019	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
93020	08/12/2021 1150 hrs	08/12/2021 2150 hrs	93033	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI

Start MN	Start of event	End of event	End MN	Equipment	Region	Reason	Source
93021	08/12/2021 1150 hrs	08/12/2021 1850 hrs	93028	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
93029	08/12/2021 1855 hrs	09/12/2021 0000 hrs	93038	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
93030	08/12/2021 1900 hrs	08/12/2021 2205 hrs	93034	Collinsville North – Newlands 7121 132 kV line and Collinsville North – Stoney Creek 7306 132 kV line	QLD	Lightning	INDJI
93031	08/12/2021 1900 hrs	08/12/2021 2200 hrs	93035	Strathmore – Clare South 7208 and Collinsville North – Tee King Creek – Clare South 7128 132 kV lines	QLD	Lightning	INDJI
93032	08/12/2021 2130 hrs	08/12/2021 2230 hrs	93036	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
93039	09/12/2021 0115 hrs	09/12/2021 0415 hrs	93042	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
93040	09/12/2021 0245 hrs	09/12/2021 0450 hrs	93043	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INDJI
93044	09/12/2021 1320 hrs	09/12/2021 1520 hrs	93053	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
93045	09/12/2021 1350 hrs	09/12/2021 1750 hrs	93071	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
93048	09/12/2021 1445 hrs	09/12/2021 1645 hrs	93061	Strathmore – Clare South 7208 and Collinsville North – Tee King Creek – Clare South 7128 132 kV lines	QLD	Lightning	INDJI
93056	09/12/2021 1545 hrs	09/12/2021 1745 hrs	93069	Collinsville North – Newlands 7121 132 kV line and Collinsville North – Stoney Creek 7306 132 kV line	QLD	Lightning	INDJI
93055	09/12/2021 1545 hrs	09/12/2021 1645 hrs	93062	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
93063	09/12/2021 1650 hrs	09/12/2021 2100 hrs	93080	Condabri North – Condabri Central 7400 and 7401 132 kV lines	QLD	Lightning	INDJI
93070	09/12/2021 1745 hrs	09/12/2021 2050 hrs	93079	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INDJI
93075	09/12/2021 1855 hrs	10/12/2021 0025 hrs	93095	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
93077	09/12/2021 1945 hrs	09/12/2021 2305 hrs	93093	Strathmore – Clare South 7208 and Collinsville North – Tee King Creek – Clare South 7128 132 kV lines	QLD	Lightning	INDJI

Start MN	Start of event	End of event	End MN	Equipment	Region	Reason	Source
93094	09/12/2021 2345 hrs	10/12/2021 0145 hrs	93096	Collinsville North – Newlands 7121 132 kV line and Collinsville North – Stoney Creek 7306 132 kV line	QLD	Lightning	INDJI
93115	10/12/2021 1610 hrs	10/12/2021 1710 hrs	93119	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
93130	11/12/2021 1445 hrs	11/12/2021 1645 hrs	93137	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
93135	11/12/2021 1510 hrs	11/12/2021 2305 hrs	93145	Strathmore – Clare South 7208 and Collinsville North – Tee King Creek – Clare South 7128 132 kV lines	QLD	Lightning	INDJI
93136	11/12/2021 1525 hrs	11/12/2021 2300 hrs	93144	Collinsville – Stoney Creek 7306 132 kV line and Collinsville – Newlands 7121 132 kV line	QLD	Lightning	INDJI
93138	11/12/2021 1705 hrs	11/12/2021 1805 hrs	93141	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
93142	11/12/2021 1935 hrs	11/12/2021 2315 hrs	93146	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
93170	12/12/2021 1550 hrs	12/12/2021 1650 hrs	93171	Collinsville – Stoney Creek 7306 132 kV line and Collinsville – Newlands 7121 132 kV line	QLD	Lightning	INDJI
93172	12/12/2021 1720 hrs	12/12/2021 1925 hrs	93176	Collinsville – Stoney Creek 7306 132 kV line and Collinsville – Newlands 7121 132 kV line	QLD	Lightning	INDJI
93173	12/12/2021 1725 hrs	12/12/2021 1920 hrs	93175	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
93174	12/12/2021 1730 hrs	12/12/2021 2020 hrs	93177	Strathmore – Clare South 7208 and Collinsville North – Tee King Creek – Clare South 7128 132 kV lines	QLD	Lightning	INDJI
93216	16/12/2021 1800 hrs	16/12/2021 2000 hrs	93217	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INDJI
93223	17/12/2021 1140 hrs	17/12/2021 1345 hrs	93224	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INDJI
93230	17/12/2021 1700 hrs	17/12/2021 2100 hrs	93235	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
93244	18/12/2021 0845 hrs	18/12/2021 1115 hrs	93252	Farrell Reece No. 1 and No. 2 220 kV lines	TAS	Lightning	INDJI
93245	18/12/2021 0915 hrs	18/12/2021 1120 hrs	93253	Farrell – Sheffield No. 1 and No. 2 220 kV lines	TAS	Lightning	INDJI

Start MN	Start of event	End of event	End MN	Equipment	Region	Reason	Source
93246	18/12/2021 0925 hrs	18/12/2021 1130 hrs	93254	Farrell – John Butters 220 kV line & Farrell – Rosebery Tee Queenstown – Newton 110 kV line	TAS	Lightning	INDJI
93247	18/12/2021 0930 hrs	18/12/2021 1140 hrs	93256	Hazelwood – Rowville No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
93248	18/12/2021 0935 hrs	18/12/2021 1135 hrs	93257	Farrell – Sheffield No. 1 and No. 2 220 kV lines	TAS	Lightning	INDJI
93250	18/12/2021 1010 hrs	18/12/2021 1135 hrs	93255	Sheffield – Wesley Vale 110 kV line and Sheffield – Devonport 110 kV line	TAS	Lightning	INDJI
93262	18/12/2021 1355 hrs	18/12/2021 1700 hrs	93269	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
93263	18/12/2021 1420 hrs	18/12/2021 1720 hrs	93270	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
93271	18/12/2021 2140 hrs	19/12/2021 0045 hrs	93273	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
93272	18/12/2021 2350 hrs	19/12/2021 0350 hrs	93275	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
93274	19/12/2021 0105 hrs	19/12/2021 1105 hrs	93283	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
93276	19/12/2021 0400 hrs	19/12/2021 0800 hrs	93278	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
93277	19/12/2021 0505 hrs	19/12/2021 0810 hrs	93279	Hazelwood – Rowville No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
93280	19/12/2021 0845 hrs	19/12/2021 1150 hrs	93285	Hazelwood – Rowville No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
93281	19/12/2021 0945 hrs	19/12/2021 1045 hrs	93282	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
93284	19/12/2021 1145 hrs	19/12/2021 1545 hrs	93292	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
93286	19/12/2021 1225 hrs	19/12/2021 1530 hrs	93291	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
93290	19/12/2021 1525 hrs	19/12/2021 1625 hrs	93294	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
93296	19/12/2021 1805 hrs	19/12/2021 1905 hrs	93300	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI

Start MN	Start of event	End of event	End MN	Equipment	Region	Reason	Source
93297	19/12/2021 1810 hrs	19/12/2021 1910 hrs	93301	Farrell – Sheffield No. 1 and No. 2 220 kV lines	TAS	Lightning	INDJI
93298	19/12/2021 1815 hrs	19/12/2021 1920 hrs	93302	Farrell Reece No. 1 and No. 2 220 kV lines	TAS	Lightning	INDJI
93299	19/12/2021 1820 hrs	19/12/2021 1920 hrs	93303	Farrell – John Butters 220 kV line & Farrell – Rosebery Tee Queenstown – Newton 110 kV line	TAS	Lightning	INDJI
93318	21/12/2021 0805 hrs	08/09/2022 1715 hrs	101564	Heywood – Alcoa Portland No. 2 500 kV line at the Alcoa Portland end only	VIC	Other	TNSP
93340	22/12/2021 1525 hrs	22/12/2021 2025 hrs	93346	Condabri North – Condabri Central 7400 and 7401 132 kV lines	QLD	Lightning	INDJI
93341	22/12/2021 1620 hrs	22/12/2021 1720 hrs	93343	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INDJI
93342	22/12/2021 1645 hrs	22/12/2021 2045 hrs	93347	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
93344	22/12/2021 1825 hrs	22/12/2021 1925 hrs	93345	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
93348	22/12/2021 2235 hrs	22/12/2021 2335 hrs	93349	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
93350	23/12/2021 0130 hrs	23/12/2021 0330 hrs	93351	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
93352	23/12/2021 0455 hrs	23/12/2021 0855 hrs	93354	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
93355	23/12/2021 1045 hrs	23/12/2021 1450 hrs	93359	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
93356	23/12/2021 1245 hrs	23/12/2021 1445 hrs	93358	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INDJI
93357	23/12/2021 1400 hrs	23/12/2021 1505 hrs	93364	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
93365	23/12/2021 1515 hrs	23/12/2021 1915 hrs	93371	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
93366	23/12/2021 1550 hrs	23/12/2021 1950 hrs	93372	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INDJI
93368	23/12/2021 1700 hrs	23/12/2021 2205 hrs	93374	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI

Start MN	Start of event	End of event	End MN	Equipment	Region	Reason	Source
93369	23/12/2021 1715 hrs	23/12/2021 2015 hrs	93373	Condabri North – Condabri Central 7400 and 7401 132 kV lines	QLD	Lightning	INDJI
93375	24/12/2021 1245 hrs	24/12/2021 1815 hrs	93386	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
93379	24/12/2021 1515 hrs	24/12/2021 1825 hrs	93387	Condabri North – Condabri Central 7400 and 7401 132 kV lines	QLD	Lightning	INDJI
93380	24/12/2021 1520 hrs	24/12/2021 1720 hrs	93384	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
93385	24/12/2021 1730 hrs	24/12/2021 2035 hrs	93388	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
93389	24/12/2021 2135 hrs	24/12/2021 2240 hrs	93390	Collinsville – Stoney Creek 7306 132 kV line and Collinsville – Newlands 7121 132 kV line	QLD	Lightning	INDJI
93391	25/12/2021 1130 hrs	25/12/2021 1630 hrs	93403	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
93392	25/12/2021 1250 hrs	25/12/2021 1755 hrs	93407	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
93393	25/12/2021 1300 hrs	25/12/2021 1555 hrs	93402	Condabri North – Condabri Central 7400 and 7401 132 kV lines	QLD	Lightning	INDJI
93394	25/12/2021 1315 hrs	25/12/2021 1415 hrs	93395	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INDJI
93400	25/12/2021 1500 hrs	25/12/2021 1800 hrs	93408	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INDJI
93401	25/12/2021 1530 hrs	25/12/2021 1830 hrs	93410	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
93404	25/12/2021 1655 hrs	25/12/2021 1855 hrs	93411	Collinsville – Stoney Creek 7306 132 kV line and Collinsville – Newlands 7121 132 kV line	QLD	Lightning	INDJI
93405	25/12/2021 1715 hrs	25/12/2021 2020 hrs	93414	Strathmore – Clare South 7208 and Collinsville North – Tee King Creek – Clare South 7128 132 kV lines	QLD	Lightning	INDJI
93406	25/12/2021 1740 hrs	25/12/2021 2045 hrs	93417	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
93409	25/12/2021 1815 hrs	25/12/2021 2015 hrs	93413	Condabri North – Condabri Central 7400 and 7401 132 kV lines	QLD	Lightning	INDJI
93412	25/12/2021 1925 hrs	25/12/2021 2025 hrs	93415	Collinsville – Stoney Creek 7306 132 kV line and Collinsville – Newlands 7121 132 kV line	QLD	Lightning	INDJI

Start MN	Start of event	End of event	End MN	Equipment	Region	Reason	Source
93416	25/12/2021 2035 hrs	25/12/2021 2330 hrs	93419	Strathmore – Clare South 7208 and Collinsville North – Tee King Creek – Clare South 7128 132 kV lines	QLD	Lightning	INDJI
93418	25/12/2021 2215 hrs	26/12/2021 0015 hrs	93420	Collinsville – Stoney Creek 7306 132 kV line and Collinsville – Newlands 7121 132 kV line	QLD	Lightning	INDJI
93421	26/12/2021 0030 hrs	26/12/2021 0440 hrs	93426	Strathmore – Clare South 7208 and Collinsville North – Tee King Creek – Clare South 7128 132 kV lines	QLD	Lightning	INDJI
93422	26/12/2021 0055 hrs	26/12/2021 0435 hrs	93425	Collinsville – Stoney Creek 7306 132 kV line and Collinsville – Newlands 7121 132 kV line	QLD	Lightning	INDJI
93423	26/12/2021 0100 hrs	26/12/2021 0425 hrs	93424	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
93428	26/12/2021 1130 hrs	26/12/2021 2235 hrs	93441	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
93430	26/12/2021 1450 hrs	26/12/2021 1550 hrs	93433	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
93434	26/12/2021 1620 hrs	26/12/2021 2120 hrs	93440	Strathmore – Clare South 7208 and Collinsville North – Tee King Creek – Clare South 7128 132 kV lines	QLD	Lightning	INDJI
93435	26/12/2021 1720 hrs	26/12/2021 2050 hrs	93438	Collinsville – Stoney Creek 7306 132 kV line and Collinsville – Newlands 7121 132 kV line	QLD	Lightning	INDJI
93437	26/12/2021 1735 hrs	26/12/2021 2105 hrs	93439	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
93444	27/12/2021 1315 hrs	27/12/2021 2215 hrs	93450	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
93448	27/12/2021 1645 hrs	27/12/2021 1945 hrs	93449	Condabri North – Condabri Central 7400 and 7401 132 kV lines	QLD	Lightning	INDJI
93451	28/12/2021 0245 hrs	28/12/2021 0445 hrs	93452	Strathmore – Clare South 7208 and Collinsville North – Tee King Creek – Clare South 7128 132 kV lines	QLD	Lightning	INDJI
93470	28/12/2021 1750 hrs	28/12/2021 1900 hrs	93472	Collinsville – Stoney Creek 7306 132 kV line and Collinsville – Newlands 7121 132 kV line	QLD	Lightning	INDJI
93469	28/12/2021 1750 hrs	28/12/2021 1850 hrs	93471	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
93495	31/12/2021 1950 hrs	31/12/2021 2355 hrs	93497	Condabri North – Condabri Central 7400 and 7401 132 kV lines	QLD	Lightning	INDJI

Start MN	Start of event	End of event	End MN	Equipment	Region	Reason	Source
93496	31/12/2021 2055 hrs	01/01/2022 0000 hrs	93498	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
93499	01/01/2022 0050 hrs	01/01/2022 0150 hrs	93500	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
93501	01/01/2022 0825 hrs	01/01/2022 1325 hrs	93502	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
93504	01/01/2022 1405 hrs	01/01/2022 1505 hrs	93510	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
93512	01/01/2022 1555 hrs	01/01/2022 1705 hrs	93514	Hazelwood – Rowville No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
93511	01/01/2022 1555 hrs	01/01/2022 1655 hrs	93513	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
93515	01/01/2022 1810 hrs	01/01/2022 1910 hrs	93516	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
93524	02/01/2022 1405 hrs	02/01/2022 1805 hrs	93530	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
93534	02/01/2022 1900 hrs	02/01/2022 2000 hrs	93537	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
93538	02/01/2022 2045 hrs	02/01/2022 2145 hrs	93539	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
93540	02/01/2022 2215 hrs	03/01/2022 0115 hrs	93543	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
93541	02/01/2022 2340 hrs	03/01/2022 0040 hrs	93542	Strathmore – Clare South 7208 and Collinsville North – Tee King Creek – Clare South 7128 132 kV lines	QLD	Lightning	INDJI
93546	03/01/2022 1015 hrs	03/01/2022 1315 hrs	93548	Strathmore – Clare South 7208 and Collinsville North – Tee King Creek – Clare South 7128 132 kV lines	QLD	Lightning	INDJI
93547	03/01/2022 1255 hrs	03/01/2022 1355 hrs	93549	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
93550	03/01/2022 1400 hrs	03/01/2022 1600 hrs	93556	Strathmore – Clare South 7208 and Collinsville North – Tee King Creek – Clare South 7128 132 kV lines	QLD	Lightning	INDJI
93565	05/01/2022 0350 hrs	05/01/2022 0850 hrs	93571	Hazelwood – Rowville No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
93567	05/01/2022 0545 hrs	05/01/2022 1145 hrs	93573	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI

Start MN	Start of event	End of event	End MN	Equipment	Region	Reason	Source
93568	05/01/2022 0615 hrs	05/01/2022 0715 hrs	93569	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
93570	05/01/2022 0740 hrs	05/01/2022 1440 hrs	93576	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
93572	05/01/2022 1000 hrs	05/01/2022 1300 hrs	93574	Hazelwood – Rowville No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
93580	05/01/2022 1630 hrs	05/01/2022 2000 hrs	93590	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
93581	05/01/2022 1650 hrs	05/01/2022 1750 hrs	93583	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
93582	05/01/2022 1740 hrs	05/01/2022 1910 hrs	93586	Collinsville – Stoney Creek 7306 132 kV line and Collinsville – Newlands 7121 132 kV line	QLD	Lightning	INDJI
93584	05/01/2022 1825 hrs	05/01/2022 1925 hrs	93587	Strathmore – Clare South 7208 and Collinsville North – Tee King Creek – Clare South 7128 132 kV lines	QLD	Lightning	INDJI
93585	05/01/2022 1835 hrs	05/01/2022 1945 hrs	93589	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
93588	05/01/2022 1940 hrs	05/01/2022 2140 hrs	93595	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
93591	05/01/2022 2020 hrs	05/01/2022 2230 hrs	93600	Strathmore – Clare South 7208 and Collinsville North – Tee King Creek – Clare South 7128 132 kV lines	QLD	Lightning	INDJI
93592	05/01/2022 2025 hrs	05/01/2022 2225 hrs	93599	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
93593	05/01/2022 2030 hrs	05/01/2022 2220 hrs	93598	Collinsville – Stoney Creek 7306 132 kV line and Collinsville – Newlands 7121 132 kV line	QLD	Lightning	INDJI
93594	05/01/2022 2100 hrs	05/01/2022 2200 hrs	93597	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
93596	05/01/2022 2155 hrs	05/01/2022 2255 hrs	93602	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
93601	05/01/2022 2235 hrs	06/01/2022 0025 hrs	93604	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
93603	06/01/2022 0010 hrs	06/01/2022 0315 hrs	93607	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
93605	06/01/2022 0035 hrs	06/01/2022 0135 hrs	93606	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI

Start MN	Start of event	End of event	End MN	Equipment	Region	Reason	Source
93608	06/01/2022 0945 hrs	06/01/2022 1150 hrs	93611	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
93612	06/01/2022 1200 hrs	06/01/2022 1900 hrs	93623	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
93613	06/01/2022 1225 hrs	06/01/2022 1425 hrs	93614	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
93616	06/01/2022 1535 hrs	06/01/2022 2150 hrs	93629	Collinsville – Stoney Creek 7306 132 kV line and Collinsville – Newlands 7121 132 kV line	QLD	Lightning	INDJI
93617	06/01/2022 1605 hrs	06/01/2022 2155 hrs	93630	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
93621	06/01/2022 1640 hrs	06/01/2022 2140 hrs	93628	Strathmore – Clare South 7208 and Collinsville North – Tee King Creek – Clare South 7128 132 kV lines	QLD	Lightning	INDJI
93622	06/01/2022 1805 hrs	06/01/2022 1910 hrs	93624	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
93625	06/01/2022 1950 hrs	06/01/2022 2050 hrs	93626	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
93631	06/01/2022 2220 hrs	07/01/2022 0520 hrs	93634	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
93632	07/01/2022 0325 hrs	07/01/2022 1430 hrs	93654	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
93633	07/01/2022 0445 hrs	07/01/2022 1445 hrs	93655	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
93635	07/01/2022 0610 hrs	07/01/2022 0710 hrs	93636	Hazelwood – Rowville No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
93637	07/01/2022 0735 hrs	07/01/2022 1035 hrs	93640	Hazelwood – Rowville No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
93641	07/01/2022 1120 hrs	07/01/2022 1220 hrs	93644	Farrell Reece No. 1 and No. 2 220 kV lines	TAS	Lightning	INDJI
93642	07/01/2022 1125 hrs	07/01/2022 1230 hrs	93645	Farrell – Sheffield No. 1 and No. 2 220 kV lines	TAS	Lightning	INDJI
93643	07/01/2022 1130 hrs	07/01/2022 1235 hrs	93646	Farrell – John Butters 220 kV line & Farrell – Rosebery Tee Queenstown – Newton 110 kV line	TAS	Lightning	INDJI
93647	07/01/2022 1235 hrs	07/01/2022 1735 hrs	93668	Farrell – John Butters 220 kV line & Farrell – Rosebery Tee Queenstown – Newton 110 kV line	TAS	Lightning	INDJI

Start MN	Start of event	End of event	End MN	Equipment	Region	Reason	Source
93648	07/01/2022 1320 hrs	07/01/2022 1420 hrs	93652	Hazelwood – Rowville No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
93649	07/01/2022 1330 hrs	07/01/2022 1735 hrs	93666	Farrell Reece No. 1 and No. 2 220 kV lines	TAS	Lightning	INDJI
93650	07/01/2022 1335 hrs	07/01/2022 1735 hrs	93667	Farrell – Sheffield No. 1 and No. 2 220 kV lines	TAS	Lightning	INDJI
93656	07/01/2022 1455 hrs	07/01/2022 2240 hrs	93679	Strathmore – Clare South 7208 and Collinsville North – Tee King Creek – Clare South 7128 132 kV lines	QLD	Lightning	INDJI
93657	07/01/2022 1515 hrs	07/01/2022 2015 hrs	93673	Collinsville – Stoney Creek 7306 132 kV line and Collinsville – Newlands 7121 132 kV line	QLD	Lightning	INDJI
93658	07/01/2022 1525 hrs	07/01/2022 1725 hrs	93665	Lindisfarne – Mornington Tee – Rokeby No. 1 110 kV line and Lindisfarne – Mornington Tee – Rokeby No. 2 110 kV line	TAS	Lightning	INDJI
93659	07/01/2022 1530 hrs	07/01/2022 2245 hrs	93680	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
93660	07/01/2022 1535 hrs	07/01/2022 1925 hrs	93670	Hazelwood – Rowville No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
93669	07/01/2022 1755 hrs	07/01/2022 2255 hrs	93681	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
93671	07/01/2022 1955 hrs	07/01/2022 2055 hrs	93675	Sheffield – Wesley Vale 110 kV line and Sheffield – Devonport 110 kV line	TAS	Lightning	INDJI
93672	07/01/2022 2005 hrs	08/01/2022 0205 hrs	93685	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
93674	07/01/2022 2025 hrs	07/01/2022 2225 hrs	93677	Lindisfarne – Mornington Tee – Rokeby No. 1 110 kV line and Lindisfarne – Mornington Tee – Rokeby No. 2 110 kV line	TAS	Lightning	INDJI
93676	07/01/2022 2135 hrs	07/01/2022 2305 hrs	93682	Farrell – Sheffield No. 1 and No. 2 220 kV lines	TAS	Lightning	INDJI
93678	07/01/2022 2235 hrs	08/01/2022 0035 hrs	93683	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
93684	08/01/2022 0040 hrs	08/01/2022 0240 hrs	93686	Lindisfarne – Mornington Tee – Rokeby No. 1 110 kV line and Lindisfarne – Mornington Tee – Rokeby No. 2 110 kV line	TAS	Lightning	INDJI
93687	08/01/2022 1435 hrs	08/01/2022 1835 hrs	93707	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI

Start MN	Start of event	End of event	End MN	Equipment	Region	Reason	Source
93688	08/01/2022 1440 hrs	08/01/2022 1840 hrs	93708	Collinsville – Stoney Creek 7306 132 kV line and Collinsville – Newlands 7121 132 kV line	QLD	Lightning	INDJI
93689	08/01/2022 1445 hrs	08/01/2022 1850 hrs	93709	Strathmore – Clare South 7208 and Collinsville North – Tee King Creek – Clare South 7128 132 kV lines	QLD	Lightning	INDJI
93706	08/01/2022 1750 hrs	09/01/2022 0950 hrs	93717	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
93710	08/01/2022 2115 hrs	08/01/2022 2315 hrs	93712	Condabri North – Condabri Central 7400 and 7401 132 kV lines	QLD	Lightning	INDJI
93719	09/01/2022 1150 hrs	09/01/2022 1555 hrs	93728	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
93720	09/01/2022 1245 hrs	09/01/2022 1545 hrs	93727	Collinsville – Stoney Creek 7306 132 kV line and Collinsville – Newlands 7121 132 kV line	QLD	Lightning	INDJI
93721	09/01/2022 1250 hrs	09/01/2022 1745 hrs	93734	Strathmore – Clare South 7208 and Collinsville North – Tee King Creek – Clare South 7128 132 kV lines	QLD	Lightning	INDJI
93729	09/01/2022 1635 hrs	09/01/2022 1730 hrs	93733	Collinsville – Stoney Creek 7306 132 kV line and Collinsville – Newlands 7121 132 kV line	QLD	Lightning	INDJI
93735	09/01/2022 1755 hrs	09/01/2022 1855 hrs	93738	Collinsville – Stoney Creek 7306 132 kV line and Collinsville – Newlands 7121 132 kV line	QLD	Lightning	INDJI
93758	10/01/2022 1630 hrs	10/01/2022 1730 hrs	93759	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
93760	10/01/2022 1800 hrs	10/01/2022 1900 hrs	93761	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
93763	11/01/2022 0335 hrs	11/01/2022 0835 hrs	93766	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
93764	11/01/2022 0420 hrs	11/01/2022 0920 hrs	93767	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
93771	11/01/2022 1130 hrs	11/01/2022 1630 hrs	93776	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
93801	12/01/2022 1405 hrs	12/01/2022 2140 hrs	93819	Para – Templers West and Magill – Torrens Island A 275 kV lines	SA	Severe Weather Warning	BOM
93802	12/01/2022 1410 hrs	12/01/2022 2140 hrs	93818	Brinkworth – Davenport, Brinkworth – Templers West and Para – Templers West 275 kV lines	SA	Severe Weather Warning	BOM

Start MN	Start of event	End of event	End MN	Equipment	Region	Reason	Source
93848	13/01/2022 1915 hrs	13/01/2022 2015 hrs	93849	Hazelwood – Rowville No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
93851	14/01/2022 0740 hrs	14/01/2022 0845 hrs	93852	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
93855	14/01/2022 1105 hrs	14/01/2022 2205 hrs	93865	Hazelwood – Rowville No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
93856	14/01/2022 1340 hrs	15/01/2022 0545 hrs	93874	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
93861	14/01/2022 1505 hrs	15/01/2022 0505 hrs	93870	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
93863	14/01/2022 1750 hrs	14/01/2022 1955 hrs	93864	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
93866	14/01/2022 2215 hrs	15/01/2022 0015 hrs	93867	Hazelwood – Rowville No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
93868	15/01/2022 0155 hrs	15/01/2022 0555 hrs	93875	Hazelwood – Rowville No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
93869	15/01/2022 0410 hrs	15/01/2022 0510 hrs	93871	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
93880	15/01/2022 1315 hrs	15/01/2022 1815 hrs	93892	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
93895	15/01/2022 2330 hrs	16/01/2022 0330 hrs	93896	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INDJI
93897	16/01/2022 0355 hrs	16/01/2022 0755 hrs	93900	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
93898	16/01/2022 0455 hrs	16/01/2022 0655 hrs	93899	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INDJI
93904	16/01/2022 1645 hrs	16/01/2022 2050 hrs	93912	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
93925	17/01/2022 1620 hrs	17/01/2022 2220 hrs	93934	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
93926	17/01/2022 1640 hrs	17/01/2022 1745 hrs	93931	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
93930	17/01/2022 1730 hrs	17/01/2022 1830 hrs	93932	Condabri North – Condabri Central 7400 and 7401 132 kV lines	QLD	Lightning	INDJI

Start MN	Start of event	End of event	End MN	Equipment	Region	Reason	Source
93944	18/01/2022 2040 hrs	18/01/2022 2240 hrs	93945	Condabri North – Condabri Central 7400 and 7401 132 kV lines	QLD	Lightning	INDJI
94016	24/01/2022 1430 hrs	24/01/2022 1530 hrs	94018	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
94020	24/01/2022 1555 hrs	24/01/2022 2155 hrs	94024	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
94022	24/01/2022 2050 hrs	24/01/2022 2145 hrs	94023	New Norfolk – Boyer No. 1 and No. 2 110 kV lines	TAS	Other	TNSP
94034	25/01/2022 1345 hrs	25/01/2022 1945 hrs	94044	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
94040	25/01/2022 1530 hrs	25/01/2022 1930 hrs	94043	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
94041	25/01/2022 1615 hrs	25/01/2022 1720 hrs	94042	Hazelwood – Rowville No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
94045	26/01/2022 1325 hrs	26/01/2022 1710 hrs	94051	Brinkworth – Davenport, Brinkworth – Templers West and Para – Templers West 275 kV lines	SA	Severe Weather Warning	BOM
94046	26/01/2022 1405 hrs	26/01/2022 1505 hrs	94049	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
94050	26/01/2022 1645 hrs	26/01/2022 1845 hrs	94053	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
94052	26/01/2022 1840 hrs	26/01/2022 1940 hrs	94055	Hazelwood – Rowville No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
94057	26/01/2022 2040 hrs	26/01/2022 2300 hrs	94063	Para – Templers West and Magill – Torrens Island A 275 kV lines	SA	Severe Weather Warning	BOM
94059	26/01/2022 2155 hrs	27/01/2022 0315 hrs	94064	Brinkworth – Davenport, Brinkworth – Templers West and Para – Templers West 275 kV lines	SA	Severe Weather Warning	BOM
94060	26/01/2022 2220 hrs	27/01/2022 0020 hrs	94066	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
94065	26/01/2022 2300 hrs	27/01/2022 0100 hrs	94068	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
94067	27/01/2022 0055 hrs	27/01/2022 0315 hrs	94069	Para – Templers West and Magill – Torrens Island A 275 kV lines	SA	Severe Weather Warning	BOM

Start MN	Start of event	End of event	End MN	Equipment	Region	Reason	Source
94070	27/01/2022 0430 hrs	27/01/2022 1235 hrs	94106	Hazelwood – Rowville No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
94071	27/01/2022 0455 hrs	27/01/2022 0955 hrs	94098	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
94072	27/01/2022 0455 hrs	27/01/2022 0755 hrs	94075	Farrell Reece No. 1 and No. 2 220 kV lines	TAS	Lightning	INDJI
94073	27/01/2022 0610 hrs	27/01/2022 0815 hrs	94077	Farrell – John Butters 220 kV line & Farrell – Rosebery Tee Queenstown – Newton 110 kV line	TAS	Lightning	INDJI
94074	27/01/2022 0610 hrs	27/01/2022 0810 hrs	94076	Farrell – Sheffield No. 1 and No. 2 220 kV lines	TAS	Lightning	INDJI
94078	27/01/2022 0825 hrs	27/01/2022 1025 hrs	94100	Sheffield – Wesley Vale 110 kV line and Sheffield – Devonport 110 kV line	TAS	Lightning	INDJI
94084	27/01/2022 0910 hrs	27/01/2022 1310 hrs	94108	Farrell – Sheffield No. 1 and No. 2 220 kV lines	TAS	Lightning	INDJI
94103	27/01/2022 1115 hrs	27/01/2022 1315 hrs	94109	Farrell Reece No. 1 and No. 2 220 kV lines	TAS	Lightning	INDJI
94122	27/01/2022 2030 hrs	27/01/2022 2330 hrs	94128	Hazelwood – Rowville No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
94121	27/01/2022 2035 hrs	27/01/2022 2315 hrs	94127	Brinkworth – Davenport, Brinkworth – Templers West and Para – Templers West 275 kV lines	SA	Severe Weather Warning	BOM
94136	28/01/2022 1305 hrs	28/01/2022 1410 hrs	94139	Sheffield – Wesley Vale 110 kV line and Sheffield – Devonport 110 kV line	TAS	Lightning	INDJI
94137	28/01/2022 1310 hrs	28/01/2022 1810 hrs	94152	Hazelwood – Rowville No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
94143	28/01/2022 1555 hrs	28/01/2022 2155 hrs	94153	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
94147	28/01/2022 1605 hrs	28/01/2022 2305 hrs	94154	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
94149	28/01/2022 1635 hrs	28/01/2022 1735 hrs	94150	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
94155	29/01/2022 0015 hrs	29/01/2022 0215 hrs	94157	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
94158	29/01/2022 0320 hrs	29/01/2022 0720 hrs	94161	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI

Start MN	Start of event	End of event	End MN	Equipment	Region	Reason	Source
94159	29/01/2022 0320 hrs	29/01/2022 0620 hrs	94160	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
94184	29/01/2022 1450 hrs	29/01/2022 2150 hrs	94194	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
94188	29/01/2022 1650 hrs	29/01/2022 1750 hrs	94191	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
94192	29/01/2022 1820 hrs	30/01/2022 0325 hrs	94200	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
94193	29/01/2022 1910 hrs	29/01/2022 2310 hrs	94195	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
94196	30/01/2022 0010 hrs	30/01/2022 0110 hrs	94199	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
94222	30/01/2022 1620 hrs	30/01/2022 2220 hrs	94241	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
94224	30/01/2022 1805 hrs	31/01/2022 0005 hrs	94243	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
94271	31/01/2022 1650 hrs	31/01/2022 1855 hrs	94311	Hazelwood – Rowville No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
94270	31/01/2022 1650 hrs	31/01/2022 1850 hrs	94310	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
94313	31/01/2022 1905 hrs	1/02/2022 0310 hrs	94327	Brinkworth – Davenport, Brinkworth – Templers West and Para – Templers West 275 kV lines	SA	Severe Weather Warning	BOM
94349	1/02/2022 1245 hrs	1/02/2022 1850 hrs	94405	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
94351	1/02/2022 1255 hrs	1/02/2022 1655 hrs	94390	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
94377	1/02/2022 1445 hrs	1/02/2022 1745 hrs	94396	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INDJI
94378	1/02/2022 1445 hrs	1/02/2022 1545 hrs	94386	Condabri North – Condabri Central 7400 and 7401 132 kV lines	QLD	Lightning	INDJI
94451	2/02/2022 1540 hrs	2/02/2022 2040 hrs	94463	Condabri North – Condabri Central 7400 and 7401 132 kV lines	QLD	Lightning	INDJI
94454	2/02/2022 1605 hrs	2/02/2022 1910 hrs	94460	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INDJI

Start MN	Start of event	End of event	End MN	Equipment	Region	Reason	Source
94459	2/02/2022 1715 hrs	2/02/2022 1920 hrs	94461	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
94462	2/02/2022 1955 hrs	2/02/2022 2355 hrs	94464	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
94465	3/02/2022 1250 hrs	3/02/2022 2125 hrs	94476	Collinsville – Stoney Creek 7306 132 kV line and Collinsville – Newlands 7121 132 kV line	QLD	Lightning	INDJI
94466	3/02/2022 1400 hrs	3/02/2022 2200 hrs	94477	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
94471	3/02/2022 1620 hrs	3/02/2022 1720 hrs	94475	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
94478	3/02/2022 2010 hrs	4/02/2022 0010 hrs	94481	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
94479	3/02/2022 2010 hrs	4/02/2022 0010 hrs	94480	Collinsville North – Newlands 7121 132 kV line and Collinsville North – Stoney Creek 7306 132 kV line	QLD	Lightning	INDJI
94482	4/02/2022 0130 hrs	4/02/2022 0630 hrs	94485	Collinsville North – Newlands 7121 132 kV line and Collinsville North – Stoney Creek 7306 132 kV line	QLD	Lightning	INDJI
94483	4/02/2022 0130 hrs	4/02/2022 0630 hrs	94484	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
94536	8/02/2022 1800 hrs	8/02/2022 1905 hrs	94538	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
94535	8/02/2022 1800 hrs	8/02/2022 1900 hrs	94537	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
94568	10/02/2022 1835 hrs	10/02/2022 2235 hrs	94572	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
94573	11/02/2022 0045 hrs	11/02/2022 0545 hrs	94574	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
94594	11/02/2022 1815 hrs	11/02/2022 2215 hrs	94595	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
94612	15/02/2022 1420 hrs	15/02/2022 1520 hrs	94614	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
94618	16/02/2022 1530 hrs	16/02/2022 1630 hrs	94620	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
94619	16/02/2022 1530 hrs	16/02/2022 1630 hrs	94621	Collinsville – Stoney Creek 7306 132 kV line and Collinsville – Newlands 7121 132 kV line	QLD	Lightning	INDJI

Start MN	Start of event	End of event	End MN	Equipment	Region	Reason	Source
94622	16/02/2022 1640 hrs	16/02/2022 2040 hrs	94626	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
94624	16/02/2022 1850 hrs	16/02/2022 2050 hrs	94627	Hazelwood – Rowville No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
94629	16/02/2022 2235 hrs	17/02/2022 0035 hrs	94632	Hazelwood – Rowville No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
94630	16/02/2022 2255 hrs	17/02/2022 0155 hrs	94634	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
94631	17/02/2022 0020 hrs	17/02/2022 0120 hrs	94633	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
94679	17/02/2022 1855 hrs	14/04/2022 1738 hrs	95861	George Town – Hadspen 220 kV Line at the George Town end only	TAS	Other	TNSP
94687	18/02/2022 0840 hrs	18/02/2022 0845 hrs	94688	Armidale No. 3 330 kV/132 kV transformer and Armidale No. 1 330 kV SVC	NSW	Other	TNSP
94692	18/02/2022 1520 hrs	18/02/2022 1820 hrs	94704	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INDJI
94697	18/02/2022 1645 hrs	18/02/2022 1845 hrs	94705	Collinsville – Stoney Creek 7306 132 kV line and Collinsville – Newlands 7121 132 kV line	QLD	Lightning	INDJI
94698	18/02/2022 1650 hrs	18/02/2022 1845 hrs	94706	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
94728	19/02/2022 1735 hrs	19/02/2022 2040 hrs	94730	Condabri North – Condabri Central 7400 and 7401 132 kV lines	QLD	Lightning	INDJI
94729	19/02/2022 1805 hrs	19/02/2022 2305 hrs	94733	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
94731	19/02/2022 2110 hrs	19/02/2022 2210 hrs	94732	Condabri North – Condabri Central 7400 and 7401 132 kV lines	QLD	Lightning	INDJI
94736	20/02/2022 1445 hrs	20/02/2022 1545 hrs	94744	Condabri North – Condabri Central 7400 and 7401 132 kV lines	QLD	Lightning	INDJI
94740	20/02/2022 1510 hrs	20/02/2022 1710 hrs	94746	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
94745	20/02/2022 1620 hrs	20/02/2022 1820 hrs	94752	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
94761	20/02/2022 1845 hrs	20/02/2022 2045 hrs	94763	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI

Start MN	Start of event	End of event	End MN	Equipment	Region	Reason	Source
94764	20/02/2022 2240 hrs	21/02/2022 0545 hrs	94766	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
94769	21/02/2022 1040 hrs	3/06/2022 1030 hrs	96747	Rowville – Yallourn No. 8 220 kV line at the Rowville end only	VIC	Other	TNSP
94772	21/02/2022 1330 hrs	21/02/2022 1430 hrs	94786	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
94796	21/02/2022 1445 hrs	21/02/2022 2145 hrs	94817	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
94822	22/02/2022 1355 hrs	22/02/2022 1455 hrs	94826	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
94833	23/02/2022 0715 hrs	23/02/2022 1015 hrs	94834	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INDJI
94838	23/02/2022 1635 hrs	23/02/2022 1735 hrs	94842	Condabri North – Condabri Central 7400 and 7401 132 kV lines	QLD	Lightning	INDJI
94839	23/02/2022 1655 hrs	23/02/2022 2000 hrs	94845	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
94841	23/02/2022 1715 hrs	23/02/2022 1915 hrs	94844	Hazelwood – Rowville No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
94840	23/02/2022 1715 hrs	23/02/2022 1815 hrs	94843	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
94846	23/02/2022 2110 hrs	23/02/2022 2210 hrs	94847	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
94848	24/02/2022 0415 hrs	24/02/2022 0715 hrs	94851	Collinsville – Stoney Creek 7306 132 kV line and Collinsville – Newlands 7121 132 kV line	QLD	Lightning	INDJI
94849	24/02/2022 0525 hrs	24/02/2022 0625 hrs	94850	Farrell – Sheffield No. 1 and No. 2 220 kV lines	TAS	Lightning	INDJI
94859	24/02/2022 1600 hrs	24/02/2022 1800 hrs	94864	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
94860	24/02/2022 1615 hrs	25/02/2022 0345 hrs	94873	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
94862	24/02/2022 1630 hrs	25/02/2022 0000 hrs	94869	Condabri North – Condabri Central 7400 and 7401 132 kV lines	QLD	Lightning	INDJI
94861	24/02/2022 1630 hrs	24/02/2022 1900 hrs	94865	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI

Start MN	Start of event	End of event	End MN	Equipment	Region	Reason	Source
94863	24/02/2022 1735 hrs	24/02/2022 1940 hrs	94866	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
94868	24/02/2022 2345 hrs	25/02/2022 0045 hrs	94871	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
94870	25/02/2022 0045 hrs	25/02/2022 0145 hrs	94872	Condabri North – Condabri Central 7400 and 7401 132 kV lines	QLD	Lightning	INDJI
94886	25/02/2022 1605 hrs	25/02/2022 2005 hrs	94892	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
94890	25/02/2022 1735 hrs	25/02/2022 2005 hrs	94893	Collinsville – Stoney Creek 7306 132 kV line and Collinsville – Newlands 7121 132 kV line	QLD	Lightning	INDJI
94895	26/02/2022 1340 hrs	26/02/2022 1740 hrs	94908	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
94896	26/02/2022 1415 hrs	26/02/2022 1715 hrs	94907	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
94906	26/02/2022 1615 hrs	26/02/2022 1815 hrs	94909	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
94911	26/02/2022 2200 hrs	27/02/2022 0220 hrs	94912	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
94918	27/02/2022 1455 hrs	27/02/2022 1655 hrs	94921	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
94931	28/02/2022 1345 hrs	28/02/2022 1705 hrs	94938	Brinkworth – Davenport, Brinkworth – Templers West and Para – Templers West 275 kV lines	SA	Severe Weather Warning	BOM
94932	28/02/2022 1345 hrs	28/02/2022 1705 hrs	94939	Para – Templers West and Magill – Torrens Island A 275 kV lines	SA	Severe Weather Warning	BOM
94935	28/02/2022 1520 hrs	28/02/2022 1720 hrs	94940	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
94936	28/02/2022 1550 hrs	28/02/2022 1650 hrs	94937	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
94943	28/02/2022 1810 hrs	28/02/2022 1910 hrs	94955	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
94956	28/02/2022 2040 hrs	28/02/2022 2140 hrs	94957	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
94958	28/02/2022 2200 hrs	1/03/2022 0200 hrs	94963	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI

Start MN	Start of event	End of event	End MN	Equipment	Region	Reason	Source
94959	28/02/2022 2315 hrs	1/03/2022 0115 hrs	94960	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
94961	1/03/2022 0200 hrs	1/03/2022 0250 hrs	94964	Sheffield – Wesley Vale 110 kV line and Sheffield – Devonport 110 kV line	TAS	Lightning	INDJI
94962	1/03/2022 0200 hrs	1/03/2022 0250 hrs	94965	Farrell – Sheffield No. 1 and No. 2 220 kV lines	TAS	Lightning	INDJI
94966	1/03/2022 0450 hrs	1/03/2022 0545 hrs	94968	Farrell Reece No. 1 and No. 2 220 kV lines	TAS	Lightning	INDJI
94973	1/03/2022 0840 hrs	NA	NA	Kiamal Solar Farm – Red Cliffs 220 kV line, Kiamal Solar Farm synchronous condenser and Buronga No. 2 and No. 3 synchronous condensers	VIC	Other	TNSP
94982	1/03/2022 1405 hrs	1/03/2022 2205 hrs	94997	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
94983	1/03/2022 1405 hrs	1/03/2022 1605 hrs	94990	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
94985	1/03/2022 1420 hrs	1/03/2022 1620 hrs	94991	Hazelwood – Rowville No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
94984	1/03/2022 1420 hrs	1/03/2022 1520 hrs	94988	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
94992	1/03/2022 1650 hrs	1/03/2022 2150 hrs	94996	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
95000	2/03/2022 1305 hrs	2/03/2022 1510 hrs	95005	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
95003	2/03/2022 1400 hrs	2/03/2022 1705 hrs	95010	Collinsville – Stoney Creek 7306 132 kV line and Collinsville – Newlands 7121 132 kV line	QLD	Lightning	INDJI
95002	2/03/2022 1400 hrs	2/03/2022 1700 hrs	95009	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
95006	2/03/2022 1515 hrs	2/03/2022 1815 hrs	95012	Condabri North – Condabri Central 7400 and 7401 132 kV lines	QLD	Lightning	INDJI
95007	2/03/2022 1635 hrs	2/03/2022 2235 hrs	95017	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
95011	2/03/2022 1710 hrs	2/03/2022 1910 hrs	95013	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INDJI
95014	2/03/2022 1945 hrs	2/03/2022 2145 hrs	95015	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI

Start MN	Start of event	End of event	End MN	Equipment	Region	Reason	Source
95016	2/03/2022 2210 hrs	2/03/2022 2315 hrs	95019	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
95018	2/03/2022 2250 hrs	2/03/2022 2350 hrs	95020	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
95021	3/03/2022 0010 hrs	7/03/2022 1455 hrs	95117	Hazelwood – Cranbourne No. 4 500 kV line	VIC	Other	TNSP
95022	3/03/2022 0105 hrs	28/09/2022 1100 hrs	101976	Murray – Tee Geehi – Guthega 132 kV line	NSW	Other	TNSP
95025	3/03/2022 0245 hrs	3/03/2022 0650 hrs	95026	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
95027	3/03/2022 0920 hrs	3/03/2022 1120 hrs	95030	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
95034	3/03/2022 1540 hrs	3/03/2022 1840 hrs	95035	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
95055	4/03/2022 1625 hrs	4/03/2022 1825 hrs	95056	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
95058	5/03/2022 0555 hrs	5/03/2022 1255 hrs	95072	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
95059	5/03/2022 0725 hrs	5/03/2022 1330 hrs	95073	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
95078	5/03/2022 1455 hrs	5/03/2022 1855 hrs	95081	Collinsville – Stoney Creek 7306 132 kV line and Collinsville – Newlands 7121 132 kV line	QLD	Lightning	INDJI
95077	5/03/2022 1455 hrs	5/03/2022 1755 hrs	95080	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
95079	5/03/2022 1750 hrs	5/03/2022 2350 hrs	95082	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
95083	6/03/2022 1020 hrs	6/03/2022 1520 hrs	95095	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
95086	6/03/2022 1315 hrs	6/03/2022 1815 hrs	95099	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INDJI
95097	6/03/2022 1640 hrs	6/03/2022 1840 hrs	95100	Collinsville – Stoney Creek 7306 132 kV line and Collinsville – Newlands 7121 132 kV line	QLD	Lightning	INDJI
95108	7/03/2022 0930 hrs	7/03/2022 1030 hrs	95110	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INDJI

Start MN	Start of event	End of event	End MN	Equipment	Region	Reason	Source
95112	7/03/2022 1400 hrs	7/03/2022 1905 hrs	95125	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
95113	7/03/2022 1405 hrs	7/03/2022 1910 hrs	95126	Collinsville – Stoney Creek 7306 132 kV line and Collinsville – Newlands 7121 132 kV line	QLD	Lightning	INDJI
95122	7/03/2022 1805 hrs	7/03/2022 2005 hrs	95127	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
95128	7/03/2022 2030 hrs	7/03/2022 2230 hrs	95130	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INDJI
95133	8/03/2022 0825 hrs	8/03/2022 1130 hrs	95138	Collinsville – Stoney Creek 7306 132 kV line and Collinsville – Newlands 7121 132 kV line	QLD	Lightning	INDJI
95132	8/03/2022 0825 hrs	8/03/2022 1125 hrs	95137	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
95140	8/03/2022 1435 hrs	8/03/2022 1535 hrs	95157	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
95164	8/03/2022 1720 hrs	8/03/2022 2020 hrs	95172	Collinsville – Stoney Creek 7306 132 kV line and Collinsville – Newlands 7121 132 kV line	QLD	Lightning	INDJI
95186	9/03/2022 0205 hrs	9/03/2022 0505 hrs	95199	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
95212	9/03/2022 1725 hrs	9/03/2022 1830 hrs	95214	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INDJI
95218	9/03/2022 2000 hrs	9/03/2022 2105 hrs	95219	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INDJI
95224	10/03/2022 1335 hrs	10/03/2022 1935 hrs	95237	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
95231	10/03/2022 1430 hrs	10/03/2022 1530 hrs	95234	Collinsville – Stoney Creek 7306 132 kV line and Collinsville – Newlands 7121 132 kV line	QLD	Lightning	INDJI
95235	10/03/2022 1535 hrs	10/03/2022 1940 hrs	95238	Collinsville – Stoney Creek 7306 132 kV line and Collinsville – Newlands 7121 132 kV line	QLD	Lightning	INDJI
95236	10/03/2022 1830 hrs	10/03/2022 2230 hrs	95239	Condabri North – Condabri Central 7400 and 7401 132 kV lines	QLD	Lightning	INDJI
95240	11/03/2022 0035 hrs	11/03/2022 0540 hrs	95243	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
95241	11/03/2022 0135 hrs	11/03/2022 0535 hrs	95242	Collinsville – Stoney Creek 7306 132 kV line and Collinsville – Newlands 7121 132 kV line	QLD	Lightning	INDJI

Start MN	Start of event	End of event	End MN	Equipment	Region	Reason	Source
95247	11/03/2022 1350 hrs	11/03/2022 1755 hrs	95258	Ross – Chalumbin 857 and 858 275 kV lines	QLD	Lightning	INDJI
95257	11/03/2022 1740 hrs	11/03/2022 2040 hrs	95261	Collinsville – Stoney Creek 7306 132 kV line and Collinsville – Newlands 7121 132 kV line	QLD	Lightning	INDJI
95259	11/03/2022 1830 hrs	11/03/2022 2030 hrs	95260	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
95262	11/03/2022 2325 hrs	12/03/2022 0005 hrs	95263	Ross – Chalumbin 857 and 858 275 kV lines	QLD	Lightning	INDJI
95265	12/03/2022 0245 hrs	12/03/2022 0345 hrs	95266	Ross – Chalumbin 857 and 858 275 kV lines	QLD	Lightning	INDJI
95269	12/03/2022 1510 hrs	12/03/2022 1810 hrs	95287	Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	Lightning	INDJI
95270	12/03/2022 1510 hrs	12/03/2022 1610 hrs	95279	Collinsville – Stoney Creek 7306 132 kV line and Collinsville – Newlands 7121 132 kV line	QLD	Lightning	INDJI
95272	12/03/2022 1525 hrs	12/03/2022 1625 hrs	95282	Ross – Chalumbin 857 and 858 275 kV lines	QLD	Lightning	INDJI
95297	13/03/2022 1435 hrs	13/03/2022 2335 hrs	95301	Hazelwood – Rowville No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
95298	13/03/2022 1510 hrs	13/03/2022 1810 hrs	95299	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
95302	14/03/2022 0340 hrs	14/03/2022 0510 hrs	95303	Ross – Chalumbin 857 and 858 275 kV lines	QLD	Lightning	INDJI
95339	14/03/2022 0650 hrs	2/04/2022 0052 hrs	95696	Darling Downs Power Station	QLD	Other	Generator
95304	14/03/2022 1255 hrs	14/03/2022 1455 hrs	95312	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
95305	14/03/2022 1345 hrs	14/03/2022 1545 hrs	95314	Farrell Reece No. 1 and No. 2 220 kV lines	TAS	Lightning	INDJI
95306	14/03/2022 1350 hrs	14/03/2022 1450 hrs	95311	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
95307	14/03/2022 1405 hrs	14/03/2022 1905 hrs	95333	Hazelwood – Rowville No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
95308	14/03/2022 1425 hrs	14/03/2022 1630 hrs	95317	Farrell – Sheffield No. 1 and No. 2 220 kV lines	TAS	Lightning	INDJI

Start MN	Start of event	End of event	End MN	Equipment	Region	Reason	Source
95309	14/03/2022 1425 hrs	14/03/2022 1625 hrs	95316	Farrell – John Butters 220 kV line & Farrell – Rosebery Tee Queenstown – Newton 110 kV line	TAS	Lightning	INDJI
95315	14/03/2022 1620 hrs	14/03/2022 1720 hrs	95320	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
95318	14/03/2022 1635 hrs	14/03/2022 1920 hrs	95334	Brinkworth – Davenport, Brinkworth – Templers West and Para – Templers West 275 kV lines	SA	Severe Weather Warning	BOM
95319	14/03/2022 1635 hrs	14/03/2022 1920 hrs	95335	Para – Templers West and Magill – Torrens Island A 275 kV lines	SA	Severe Weather Warning	BOM
95336	15/03/2022 0045 hrs	15/03/2022 0245 hrs	95337	Farrell Reece No. 1 and No. 2 220 kV lines	TAS	Lightning	INDJI
95341	15/03/2022 1430 hrs	15/03/2022 1950 hrs	95355	Brinkworth – Davenport, Brinkworth – Templers West and Para – Templers West 275 kV lines	SA	Severe Weather Warning	BOM
95340	15/03/2022 1430 hrs	15/03/2022 1830 hrs	95354	Hazelwood – Rowville No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
95371	16/03/2022 1645 hrs	16/03/2022 1905 hrs	95373	Brinkworth – Davenport, Brinkworth – Templers West and Para – Templers West 275 kV lines	SA	Severe Weather Warning	BOM
95372	16/03/2022 1645 hrs	16/03/2022 1905 hrs	95374	Para – Templers West and Magill – Torrens Island A 275 kV lines	SA	Severe Weather Warning	BOM
95388	18/03/2022 1345 hrs	18/03/2022 1450 hrs	95390	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
95426	18/03/2022 1920 hrs	18/03/2022 2020 hrs	95427	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
95497	22/03/2022 1350 hrs	22/03/2022 1450 hrs	95499	Hazelwood – Rowville No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
95504	22/03/2022 1715 hrs	22/03/2022 2115 hrs	95507	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
95505	22/03/2022 1715 hrs	22/03/2022 2015 hrs	95506	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INDJI
95519	24/03/2022 0555 hrs	24/03/2022 0655 hrs	95521	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INDJI
95520	24/03/2022 0650 hrs	24/03/2022 1050 hrs	95522	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI

Start MN	Start of event	End of event	End MN	Equipment	Region	Reason	Source
95524	24/03/2022 1235 hrs	24/03/2022 1740 hrs	95536	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INDJI
95532	24/03/2022 1540 hrs	24/03/2022 1845 hrs	95537	Condabri North – Condabri Central 7400 and 7401 132 kV lines	QLD	Lightning	INDJI
95538	24/03/2022 2010 hrs	24/03/2022 2210 hrs	95540	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INDJI
95551	25/03/2022 1440 hrs	25/03/2022 1645 hrs	95557	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INDJI
95555	25/03/2022 1540 hrs	25/03/2022 1840 hrs	95560	Condabri North – Condabri Central 7400 and 7401 132 kV lines	QLD	Lightning	INDJI
95558	25/03/2022 1710 hrs	25/03/2022 1810 hrs	95559	Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	Lightning	INDJI
95573	27/03/2022 0245 hrs	27/03/2022 0345 hrs	95574	Condabri North – Condabri Central 7400 and 7401 132 kV lines	QLD	Lightning	INDJI
95576	27/03/2022 1335 hrs	27/03/2022 1745 hrs	95594	Condabri North – Condabri Central 7400 and 7401 132 kV lines	QLD	Lightning	INDJI
95593	27/03/2022 1715 hrs	27/03/2022 1815 hrs	95596	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
95595	27/03/2022 1750 hrs	27/03/2022 1855 hrs	95597	Ross – Chalumbin 857 and 858 275 kV lines	QLD	Lightning	INDJI
95599	28/03/2022 0720 hrs	28/03/2022 0920 hrs	95600	Farrell – John Butters 220 kV line & Farrell – Rosebery Tee Queenstown – Newton 110 kV line	TAS	Lightning	INDJI
95622	28/03/2022 1445 hrs	28/03/2022 1650 hrs	95626	Condabri North – Condabri Central 7400 and 7401 132 kV lines	QLD	Lightning	INDJI
95625	28/03/2022 1640 hrs	28/03/2022 1940 hrs	95627	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
95644	29/03/2022 2335 hrs	30/03/2022 0835 hrs	95647	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INDJI
95677	2/04/2022 1255 hrs	NA	NA	Gladstone Power Station Units 3 and 4	QLD	Other	Generator
95794	11/04/2022 1230 hrs	20/04/2022 1005 hrs	95906	Darling Downs Power Station	QLD	Other	Generator
95846	13/04/2022 1945 hrs	14/04/2022 0035 hrs	95847	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI

Start MN	Start of event	End of event	End MN	Equipment	Region	Reason	Source
95848	14/04/2022 0440 hrs	14/04/2022 0545 hrs	95849	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INDJI
95887	17/04/2022 1443 hrs	NA	NA	Knights Rd – Kermandie Tee Huon River 110 kV line and 110 kV CB A152 at Kingston	TAS	Other	TNSP
95974	29/04/2022 2240 hrs	30/04/2022 0040 hrs	95975	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INDJI
95976	30/04/2022 0210 hrs	30/04/2022 0310 hrs	95977	Farrell Reece No. 1 and No. 2 220 kV lines	TAS	Lightning	INDJI
95979	30/04/2022 0705 hrs	30/04/2022 1010 hrs	95982	Farrell Reece No. 1 and No. 2 220 kV lines	TAS	Lightning	INDJI
95978	30/04/2022 0705 hrs	30/04/2022 1005 hrs	95981	Farrell – John Butters 220 kV line & Farrell – Rosebery Tee Queenstown – Newton 110 kV line	TAS	Lightning	INDJI
95980	30/04/2022 0745 hrs	30/04/2022 1020 hrs	95983	Farrell – Sheffield No. 1 and No. 2 220 kV lines	TAS	Lightning	INDJI

A2. Abnormal conditions and protected events, 1 November 2021 to 30 April 2022

Table 3 **Abnormal conditions and *protected events* 1 November 2021 to 30 April 2022**

Start MN	Start of event	End of event	End MN	Event	Region	Reason	Source
92328	11/11/2021 07:00 hrs	11/11/2021 16:20 hrs	92349	AEMO has identified that a *non-credible contingency event* is more likely to occur because of the existence of abnormal conditions namely severe weather and damaging winds in the SA region.	SA	Severe Weather	BOM
92516	18/11/2021 10:00 hrs	18/11/2021 16:05 hrs	92568	AEMO has identified that a *non-credible contingency event* is more likely to occur because of the existence of abnormal conditions namely severe weather and damaging winds in the SA region.	SA	Severe Weather	BOM
93661	07/01/2022 15:30 hrs	07/01/2022 17:15 hrs	93664	AEMO has identified that a *non-credible contingency event* is more likely to occur in the Central or South West forecast districts of Victoria because of the existence of abnormal conditions namely severe weather in the Vic region.	VIC	Severe Weather	BOM
93779	11/01/2022 19:20 hrs	11/01/2022 20:00 hrs	93791	AEMO has identified that the conditions of the following protected event will be met from the time specified in this notice. Protected event: the loss of multiple transmission elements causing generation disconnection in the South Australia region during periods where destructive wind conditions are forecast by the Bureau of Meteorology.	SA	Destructive Winds	BOM
94056	26/01/2022 20:35 hrs	26/01/2022 23:00 hrs	94062	AEMO has identified that the conditions of the following protected event will be met from the time specified in this notice. Protected event: the loss of multiple transmission elements causing generation disconnection in the South Australia region during periods where destructive wind conditions are forecast by the Bureau of Meteorology.	SA	Destructive Winds	BOM

Start MN	Start of event	End of event	End MN	Event	Region	Reason	Source
94116	27/01/2022 16:15 hrs	27/01/2022 22:55 hrs	94126	AEMO has identified that a *non-credible contingency event* is more likely to occur because of the existence of abnormal conditions namely severe weather and damaging winds in the Victoria region.	VIC	Severe Weather	BOM
94131	28/01/2022 09:30 hrs	28/01/2022 16:00 hrs	94134	AEMO has identified that a *non-credible contingency event* is more likely to occur because of the existence of abnormal conditions namely severe weather and damaging winds in the Victoria region.	VIC	Severe Weather	BOM

A3. Number of reclassification events on each element, 1 November 2021 to 30 April 2022

Table 4 **Number of times reclassification events occurred on each element, 1 November 2021 to 30 April 2022**

Element	Region	Number of times reclassified				
		Bushfires	Lightning	Severe weather	Other	Total
Armidale No. 3 330 kV/132 kV transformer and Armidale No. 1 330 kV SVC	NSW	0	0	0	1	1
Armidale No. 6 Transformer and Armidale No. 1 330 kV SVC	NSW	0	0	0	1	1
Bayswater – Mt Piper 5A3 and Bayswater – Wollar 5A4 500 kV lines	NSW	0	68	0	0	68
Bayswater – Mt Piper 5A3 and Wollar – Mt Piper 5A5 500 kV line	NSW	0	2	0	0	2
Koolkhan No. 3 132 kV bus section and the Armidale – Metz – Koolkhan 966 132 kV line	NSW	0	0	0	1	1
Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	0	35	0	0	35
Murray – Tee Geehi – Guthega 132 kV line	NSW	0	0	0	1	1
Collinsville – Mackay Tee Proserpine 7125 and 7126 132 kV lines	QLD	0	53	0	0	53
Collinsville – Stoney Creek 7306 132 kV line and Collinsville – Newlands 7121 132 kV line	QLD	0	37	0	0	37
Collinsville North – Newlands 7121 132 kV line and Collinsville North – Stoney Creek 7306 132 kV line	QLD	0	9	0	0	9
Collinsville North – Newlands 7121 and Collinsville North – Stoney Creek 7306 132 kV lines	QLD	0	2	0	0	2
Condabri North – Condabri Central 7400 and 7401 132 kV lines	QLD	0	35	0	0	35
Darling Downs Power Station	QLD	0	0	0	3	3
Gladstone Power Station Units 3 and 4	QLD	0	0	0	1	1
Ross – Chalumbin 857 and 858 275 kV lines	QLD	0	6	0	0	6

Appendix A3. Number of reclassification events on each element, 1 November 2022 to 30 April 2022

Element	Region	Number of times reclassified				
		Bushfires	Lightning	Severe weather	Other	Total
Strathmore – Clare South 7208 and Collinsville North – Tee King Creek – Clare South 7128 132 kV lines	QLD	0	32	0	0	32
Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	0	52	0	0	52
Brinkworth – Davenport, Brinkworth – Templers West and Para – Templers West 275 kV lines	SA	0	0	9	3	12
Para – Templers West and Magill – Torrens Island A 275 kV lines	SA	0	0	6	2	8
Farrell – John Butters 220 kV line & Farrell – Rosebery Tee Queenstown – Newton 110 kV line	TAS	0	11	0	0	11
Farrell – Sheffield No. 1 and No. 2 220 kV lines	TAS	0	14	0	0	14
Farrell Reece No. 1 and No. 2 220 kV lines	TAS	0	13	0	0	13
George Town – Hadspen 220 kV Line at the George Town end only	TAS	0	0	0	1	1
Knights Rd – Kermandie Tee Huon River 110 kV line and 110 kV CB A152 at Kingston	TAS	0	0	0	1	1
Lindisfarne – Mornington Tee – Rokeby No. 1 110 kV line and Lindisfarne – Mornington Tee – Rokeby No. 2 110 kV line	TAS	0	5	0	0	5
Lindisfarne – Sorell 110 kV line and Lindisfarne – Sorel Triabunna Tee 110 kV line	TAS	0	1	0	0	1
New Norfolk – Boyer No. 1 and No. 2 110 kV lines	TAS	0	0	0	1	1
Sheffield – Wesley Vale 110 kV line and Sheffield – Devonport 110 kV line	TAS	0	7	0	0	7
Tungatinah – New Norfolk No. 3 110 kV line and Meadowbank Power Station	TAS	0	0	0	1	1
Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	0	60	0	0	60
Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	0	48	0	0	48
Hazelwood – Cranbourne No. 4 500 kV line	VIC	0	0	0	1	1
Hazelwood – Rowville No. 1 and No. 2 220 kV lines	VIC	0	37	0	0	37
Heywood – Alcoa Portland No. 2 500 kV line at the Alcoa Portland end only	VIC	0	0	0	1	1
Kiamal Solar Farm – Red Cliffs 220 kV line, Kiamal Solar Farm synchronous condenser and Buronga No. 2 and No. 3 synchronous condensers	VIC	0	0	0	1	1
Rowville – Yallourn No. 8 220 kV line at the Rowville end only	VIC	0	0	0	1	1

A4. Non-credible contingency events, 1 November 2021 to 30 April 2022

Table 5 lists all *non-credible contingency events* that occurred during the reporting period, and AEMO's assessment of whether to reclassify each event as credible. The rows highlighted in teal in Table 5 explain the *non-credible contingency events* corresponding to the reclassifications highlighted in teal in Appendix A1.

Table 5 **Non-credible contingency events, 1 November 2021 to 30 April 2022**

Date of contingency	Description	Region	Primary cause	Was the contingency then reclassified?	Comments
08/11/2021 1713 hrs	Trip and auto-reclose of Collinsville North – Newlands 7121 132 kV line and Collinsville North – Stoney Creek 7306 132 kV line.	QLD	Lightning	Yes	Powerlink could not confirm any of the details of the trip and if this event was likely to reoccur. As such, AEMO considered re-occurrence of this incident was reasonably possible due to lighting in the vicinity of the lines and reclassified the event as a *credible contingency event* at 1745 hrs on 08/11/2021. At 1408 hrs on 09/11/2021 Powerlink confirmed the simultaneous trip of the two lines was due to lightning. The reclassification was cancelled at 2230 hrs on 09/11/2021 when the lightning activity in the area cleared.
12/11/2021 1710 hrs	Trip and auto-reclose of Collinsville North – Proserpine 7125 132 kV line and Collinsville North – Proserpine 7126 132 kV line.	QLD	Lightning	Yes	At 1557 hrs on 12/11/2021 AEMO considered simultaneous loss of the two lines was reasonably possible due to lightning in the vicinity of the two lines and reclassified the event as a *credible contingency event*. The reclassification was cancelled at 1658 hrs on 12/11/2021 when the lightning activity in the area cleared. At 1710 hrs on 12/11/2021 Collinsville North – Proserpine 7125 132 kV line and Collinsville North – Proserpine 7126 132 kV line tripped and auto-reclosed. At 1722 hrs on 12/11/2021 AEMO considered simultaneous loss of the two lines was reasonably possible due to lightning in the vicinity of the two lines and reclassified the event as a *credible contingency event*. The reclassification was cancelled at 1923 hrs on 12/11/2021 when the lightning activity in the area cleared.
15/11/2021 0801 hrs	Trip of Koolkhan No. 3 132 kV bus and Armidale – Metz – Koolkhan 966 132 kV line	NSW	Faulty equipment	Yes	The initial line trip was caused by third party contractors at Metz substation inadvertently contacting the 132 kV line 966/3. Maloperation of the back-up protection tripped the Koolkhan No. 3 132 kV bus section at the Koolkhan substation. AEMO was not satisfied that this non-credible event was unlikely to re-occur again

Date of contingency	Description	Region	Primary cause	Was the contingency then reclassified?	Comments
					and therefore reclassified this event as a *credible contingency event*. The reclassification was cancelled at 1645 hrs on 16/11/2021 following advice from TransGrid that protection maloperation was resolved.
30/11/2021 1133 hrs	Trip of the Alcoa Portland (APD) No. 1 220 kV busbar	VIC	Work practices / human error	No	The trip of Alcoa Portland No. 1 busbar was caused by a flashover on the Red phase of isolator 2611, causing the No. 1 220 kV busbar to trip. The flashover was caused by salt contamination on isolator 2611's insulators and overspray/misting that landed on the insulators during the washing of adjacent equipment. The cause of this incident was identified and rectified by Portland Aluminium prior to the return of the No. 1 220 kV busbar to service, therefore AEMO identified that reclassification was not required.
02/12/2021 1559 hrs	Trip and auto-reclose of Liapootah – Chapel St 2 220 kV line and trip of Waddamana T1 110/22 kV transformer.	TAS	Lightning	No	Waddamana T1 transformer was isolated whilst investigation was in progress. TasNetworks advised that these events were two separate events due to lightning storms in the area. The protection systems operated as per design.
02/12/2021 1839 hrs	Trip and auto-reclose of Tungatinah – New Norfolk 03 110 kV line and trip of Meadowbank generator.	TAS	Lightning / protection and control	Yes	TasNetworks advised that Tungatinah – New Norfolk 03 110 kV line tripped and auto-reclosed due to lightning activity in the vicinity of the line. Waddamana T1 transformer was isolated whilst investigation was in progress. Hydro Tasmania is still investigating the cause of Meadowbank generator trip. AEMO reclassified this event as a *credible contingency event* from 2034 hrs on 02/12/2021. On 22/08/2022 Hydro Tasmania advised AEMO that issue has been resolved and rectified. Based on advice from Hydro Tasmania and TasNetworks AEMO cancelled reclassification on 29/08/2022.
21/12/2021 0722 hrs	Trip of Heywood – Alcoa Portland No. 2 500 kV line at the Alcoa Portland end only	VIC	Faulty equipment	Yes	The cause of this non credible contingency was not known to AEMO at the time of the event. As such, AEMO considered the opening of HYTS – APD No. 2 500 kV line at APD end only was reasonably possible to reoccur and reclassified it as a *credible contingency event* on 21/12/2021. AEMO issued Market Notice 93318 at 0804 hrs on 21/12/2021 to advise that this incident had been reclassified as a *credible contingency event* until further notice. The incident was caused by a toggling blue phase remote trip signal which caused CB5100 to trip. AusNet has completed insulation testing of all associated cabling and has replaced the affected TIS and Y protection relay at APD substation. Testing of the relay which operated during this incident is still ongoing to identify the root cause of the incident.
30/12/2021 2055 hrs and 06/01/2022 2042 hrs	Trip of Rowville Terminal Station – Yallourn Power Station No. 8 220 kV line at the Rowville end only	VIC	Faulty equipment	Yes	After the first incident, at 0216 hrs on 31/12/2021, the AusNet control room confirmed to AEMO that repairs had been carried out and the incident was unlikely to re-occur. Based on this information, AEMO did not reclassify the incident as a *credible contingency event*. At 2042 hrs on 06/01/2022, a single ended trip of the

Date of contingency	Description	Region	Primary cause	Was the contingency then reclassified?	Comments
					ROTS-YPS No. 8 220 kV line re-occurred, tripping at the ROTS end only. Subsequently, after the second incident, during AusNet's incident investigation, it was identified that AusNet site staff had replaced a communication card on site as a precaution only, but the investigation into the root cause was still ongoing. Once this information was received by AEMO, AEMO considered that a re-occurrence of these incidents was reasonably possible. Therefore, AEMO reclassified this incident as a credible contingency from 1030 hrs on 21/02/2022. At 1030 on 03/06/2022, AusNet advised AEMO that the re-occurrence of the trip was not reasonably possible based on changes made to the protection settings. AEMO responded and cancelled the reclassification of this event as a *credible continency event*.
01/01/2022 2341 hrs	Trip of Bell Bay Aluminium No. 3 and No. 4 potlines.	VIC	Faulty equipment	No	The trip of Bell Bay potlines caused the frequency to increase to a peak of approximately 51.09 Hz and triggered operation of the Tasmania lower FCAS reduction scheme. The scheme operated as designed and tripped the Wayatinah No. 1 generator. AEMO assessed whether to reclassify this incident as a *credible contingency event*. Post incident investigations from Rio Tinto Aluminium and TasNetworks concluded that Bell Bay staff disconnected the Bell Bay Aluminium No. 3 potline from the system in response to conditions in the potline. At the same time, Bell Bay Aluminium No. 4 potline unexpectedly tripped due to operation of rectiformer RF43's earth fault protection. Further investigation showed there was an additional earth loop in the secondary system of the No. 4 potline's rectiformer which was introduced during the rectiformer's installation. At 0004 hrs on 02/01/2022, prior to the return to service of both potlines, TasNetworks informed AEMO that Bell Bay Aluminium had identified the cause of the trip of Bell Bay Aluminium No. 4 potline and advised that a re-occurrence was unlikely. Based on this information, AEMO did not reclassify the incident as a *credible contingency event*. Additional secondary earth loop was removed between 04/01/2022 and 05/01/2022.
15/01/2022 1043 hrs	Trip of Ross – Millchester 7182 132 kV line at the Ross end only	QLD	Faulty equipment	No	At 1043 hrs 15/01/2022 the Ross – Millchester No.7182 132 kV line tripped at the Ross end only. At 1046 hrs the 66 kV CB 7A552 & CB 7B552 opened at Millchester by Energy Qld, to de-energise line 7182 (no voltage issues). At 1046 hrs Kennedy Energy Park tripped due to Energy Qld High Speed Containment Scheme (initiated by Energy Qld opening 66 kV CB 7A552 & CB 7B552 at Millchester). At 1429 hrs Powerlink advised that the cause of the trip was identified as CB 71822 low SF 6 gas pressure. Powerlink advised that this trip is unlikely to re-occur again. Based on this advice AEMO was satisfied that another occurrence of this event is unlikely under the current circumstances. Consequently, AEMO did not reclassify this event as a *credible contingency event*. The Energy Qld control scheme, High Speed Containment Scheme, operated as per design.

Date of contingency	Description	Region	Primary cause	Was the contingency then reclassified?	Comments
24/01/2022 1917 hrs	Trip of New Norfolk – Boyer No. 1 and No. 2 110 kV lines	TAS	Faulty equipment	Yes	Following the trip of New Norfolk – Boyer No. 1 and No. 2 110 kV lines 89 MW of Boyer Industrial Load (Norske Skog) was disconnected. Tas Networks advised that the cause of the trip was not identified, and further investigations are pending. At 2045 hrs AEMO declared the Loss of both New Norfolk – Boyer No. 1 and No. 2 110 kV lines as a *credible contingency event*. At 2121 hrs TasNetworks advised that the cause of the trip was a faulty B protection on both lines. The B protection (differential) on both lines were isolated. The primary A protection remains in service. At 2145 hrs AEMO cancelled the reclassification of this *credible contingency event*.
27/01/2022 2044 hrs	Trip of the Eildon Power Station (EPS) No. 2 220 kV busbar	VIC	Faulty equipment	No	At 2044 hrs on 27/01/2022, the EPS No. 2 220 kV busbar tripped, off-loading the Mount Beauty – Eildon No. 1 220 kV line. Approximately two hours later, at 2245 hrs, the EPS No. 2 220 kV busbar was returned to service following isolation of the No.1 Generator 220 kV CB. AusNet advised that the trip latch in the No. 1 Generator CB failed to open after being issued an open command. The EPS No. 1 Generator was being taken offline when the EPS No. 1 Generator CB failed to open. The EPS No. 1 Generator started motoring as it remained connected to the power system. This motoring condition was detected by the generator's reverse power flow protection which sent inter-trip signals to the EPS No. 1 Generator CB but the CB again failed to open. The CB fail protection then operated opening all other CBs connected to No. 2 220 kV bus. The area around the latch mechanism in the CB was cleaned and re-lubricated. The latch mechanism was replaced. The CB was returned to service along with the EPS No. 2 220 kV busbar on 27/01/2022. AEMO assessed whether to reclassify this incident as a *credible contingency event*. The cause of this incident was identified and rectified by AusNet prior to the return to service of the generator CB and EPS No. 2 220 kV busbar, therefore AEMO identified that reclassification was not required.
09/02/2022 0851 hrs	Edmonton – Innisfail 7139 132 kV line tripped at the Edmonton end only	QLD	Faulty equipment / weathering	No	The trip was initiated due to water ingress on Edmonton CB 71392. Powerlink advised that remedial action carried out to eliminate future water ingress. At 1352 hrs 09/02/2022 the line was returned to service. Based on advice from Powerlink AEMO identified that reclassification was not required.
10/02/2022 2111 hrs	Trip of the Sydney North 330/132 kV No. 1 transformer and the Sydney North 132 kV 1A busbar	NSW	Faulty equipment	No	The cause of the incident was identified by Transgrid and the Sydney North 330/132 kV No. 1 Transformer and the Sydney North 132 kV 1A busbar remained out of service until the faulty insulator strings were replaced, therefore AEMO identified that reclassification was not required.
11/02/2022 0945 hrs	Trip of the Davenport – Bungama and Bungama – Blyth West 275 kV lines	SA	Faulty equipment	No	On 14/02/2022, ElectraNet advised AEMO that the cause of the *non-credible contingency event* was the explosive failure of the CT at CB 6537 at Bungama. AEMO requested information from ElectraNet relating to whether similar CT failures were reasonably possible at other sites, and whether it was necessary to reclassify this event. ElectraNet advised that the CTs that had failed were exhibiting an

Date of contingency	Description	Region	Primary cause	Was the contingency then reclassified?	Comments
					undesirable and elevated risk of failure and were being managed in a manner consistent with its normal asset management practices. Therefore, AEMO identified that reclassification was not required.
17/02/2022 1829 hrs	Trip of the George Town – Hadspen 220 kV No. 2 line at the George Town end only	TAS	Faulty equipment	Yes	At 1829 hrs on 17/02/2022, the stub bus protection scheme implemented in relay D199B mal-operated to disconnect the George Town – Hadspen 220 kV No. 2 transmission line. TasNetworks confirmed that there was no fault on the network. The cause of this *non-credible contingency event* was not known to AEMO at the time of the event. As such, AEMO considered the George Town – Hadspen 220 kV No. 2 line trip at George Town end was reasonably possible to reoccur and reclassified the event as a credible contingency. On 14/04/2022 TasNetworks advised AEMO that the required settings changes had been applied and confirmed that the event was no longer reasonably possible. AEMO then responded and cancelled the reclassification of this event as a *credible contingency event*.
01/03/2022 0423 hrs	Trip and auto-reclose of Kiamal SF – Red Cliffs 220 kV line, trip of Kiamal synchronous condenser in Victoria and Buronga 2 and 3 synchronous condensers in New South Wales	VIC/NSW	Lightning (for trip of the line) / Faulty equipment (for trip of Kiamal and Buronga synchronous condensers)	Yes	The tripping of the Buronga No.2 and No.3 synchronous condensers caused an inter-trip to be sent to Darlington Point solar farm, which was not generating at the time it was tripped. Kiamal Solar Farm was not generating at the time. The cause of the *non-credible contingency event* was not known and AEMO was not satisfied at the time that this event was unlikely to re-occur. Therefore, AEMO reclassified this event as a *credible contingency event* from 0840 hrs on 01/03/2022 until further notice. After consulting with Transgrid, AEMO included the Buronga No. 2 and No. 3 synchronous condensers in the reclassification from 1536 hrs on 01/03/2022 until further notice. On 19 August 2022 AEMO was advised that the Kiamal synchronous condenser tripped due to failure in internal CB. The CB was replaced on 29 April and the manufacturer advised that failure is unique to the internal CB. As a result, AEMO updated reclassification and removed the Kiamal synchronous condenser from the list of reclassified elements. The reclassification remains open for Kiamal SF – Red Cliffs 220 kV line and Buronga 2 and 3 synchronous condensers until Octopus Investments confirms to AEMO the outcome of site investigations and that the incident is unlikely to re-occur.
02/03/2022 2343 hrs	Trip of Hazelwood – Cranbourne (HWTS – CBTS) No. 4 500 kV line at the Hazelwood end only	VIC	Faulty equipment	Yes	The cause of this *non-credible contingency event* was not known to AEMO at the time of the event. As such, AEMO considered the HWTS – CBTS No. 4 500 kV line trip at HWTS end was reasonably possible to reoccur and reclassified the event as a *credible contingency event*. The cause of the trip of Hazelwood – Cranbourne No. 4 500 kV line at Hazelwood end only was identified as the faulty contact inputs on the relay that indicated the closed status of the CB.
03/03/2022 0034 hrs	Trip of Murray – Tee Geehi – Guthega 132 kV line at the Guthega end only.	NSW	Unknown	Yes	The cause of this *non-credible contingency event* was not known to AEMO at the time of the event. AEMO was not satisfied that this non credible event is unlikely to re-occur. AEMO reclassified this incident as a *credible contingency event* from 0043

Date of contingency	Description	Region	Primary cause	Was the contingency then reclassified?	Comments
					hrs on 03/03/2022. On 18/07/2022 Transgrid confirmed that there was a very low level fault very close to Guthega that was picked up on the No. 2 Protection only. The tripping of Murray – Tee Geehi – Guthega 132 kV line at the Guthega end only is an expected outcome for this type of fault. Transgrid's protection design team further reviewed the current protection settings for the Murray-Geehi-Guthega line and advised AEMO of their recommendation to leave the protection settings as they are. Based on this advice AEMO cancelled the reclassification of this event as a *credible contingency event*.
31/03/2022 1640 hrs	Trip of Calliope River – Gladstone PS 7375 132 kV feeder, Gladstone Unit 3 and Gladstone Unit 4.	QLD	Faulty equipment	Yes	At 0931 hrs on Friday 01/04/2022, CS Energy advised AEMO control room that Gladstone Unit 4 was using a cooling water pump that was being supplied by the auxiliary supply transformer for Unit 3. When the 7375 feeder and Gladstone Unit 3 tripped, this interrupted supply to the cooling water pump for Unit 4 which is what caused the simultaneous trip of Unit 4. AEMO was not satisfied that this non credible event is unlikely to re-occur. AEMO has therefore reclassified the simultaneous trip of Gladstone Unit 3 and Unit 4 as a *credible contingency event* from 1255 hrs 02/04/2022 until further notice. Had the cooling water pump configuration been communicated to AEMO as a single point of failure for Unit 3 and Unit 4, these units would have been reclassified as *credible contingency event* prior to the incident.
17/04/2022 1150 hrs	Trip of Knights Rd -Kermandie Tee Huon River 110 kV line and 110 kV CB A152 at Kingston	TAS	Unknown	Yes	TasNetworks advised differential protection on Chapel St to Knights Rd tee Kingston 110 kV line operated. The protection operated as per design on the Knights Rd to Kermandie tee Huon River 110 kV line. TasNetworks are unsure why CB A152 opened at Kingston. AEMO is not satisfied that this *non-credible contingency event* is unlikely to re-occur. AEMO has therefore reclassified this event as a *credible contingency event* until further notice.
26/04/2022 1629 hrs	Trip of No. 1 132 kV bus and No. 1 275/132 kV transformer at Woree Substation	QLD	Protection and control	No	The trip of No. 1 132 kV busbar and No. 1 275/132 kV transformer at Woree Substation were caused by insulation breakdown internal to the circuit breaker pole which resulted in the operation of bus zone and transformer protection systems. Powerlink has identified the cause of the fault to be the insulation breakdown internal to the circuit breaker pole. Powerlink did not consider this to be a systematic issue. The cause of this incident was identified and rectified by Powerlink prior to the Woree No. 1 132 kV busbar's return to service. Therefore, AEMO identified reclassification is not required.

A5. Binding reclassification constraints, 1 November 2021 to 30 April 2022

Table 6 **Reclassification constraints that bound, 1 November 2021 to 30 April 2022**

Reclassification start time	Reclassification end time	Reclassified equipment	Constraint	Number of Dispatch Intervals binding
02/12/2022 1500 hrs	02/12/2022 1710 hrs	Farrell – Sheffield No. 1 and No. 2 220 kV lines	F_T+FASH_N-2_RREG	19
07/01/2022 1125 hrs	07/01/2022 1230 hrs	Farrell – Sheffield No. 1 and No. 2 220 kV lines	F_T+FASH_N-2_RREG	6
			T>T_FASH_1_N-2	13
07/01/2022 1335 hrs	07/01/2022 1735 hrs	Farrell – Sheffield No. 1 and No. 2 220 kV lines	F_T+FASH_N-2_RREG	48
			T>T_FASH_1_N-2	9
07/01/2022 2135 hrs	07/01/2022 2305 hrs	Farrell – Sheffield No. 1 and No. 2 220 kV lines	F_T+FASH_N-2_RREG	14
24/02/2022 0525 hrs	24/02/2022 0625 hrs	Farrell – Sheffield No. 1 and No. 2 220 kV lines	F_T+FASH_N-2_RREG	12

A6. Binding constraints during abnormal conditions/protected events, 1 November 2021 to 30 April 2022

Table 7 **Network constraints that bound during abnormal conditions / protected events, 1 November 2021 to 30 April 2022**

Event start time	Event end time	Equipment at risk	Constraint	Number of Dispatch Intervals binding
18/11/2021 10:00 hrs	18/11/2021 16:05 hrs	Multiple transmission elements in SA region.	VS_250	6
			VS_250_DYN	2
11/01/2022 19:20 hrs	11/01/2022 20:00 hrs	Multiple transmission elements causing generation disconnection in SA region.	VS_250	4
			VS_250_DYN	4
26/01/2022 20:35 hrs	26/01/2022 23:00 hrs	Multiple transmission elements causing generation disconnection in SA region.	VS_250	12
			VS_250_DYN	12
27/01/2022 16:15 hrs	27/01/2022 22:55 hrs	Multiple transmission elements in VIC region.	VS_250	26
			VS_250_DYN	39