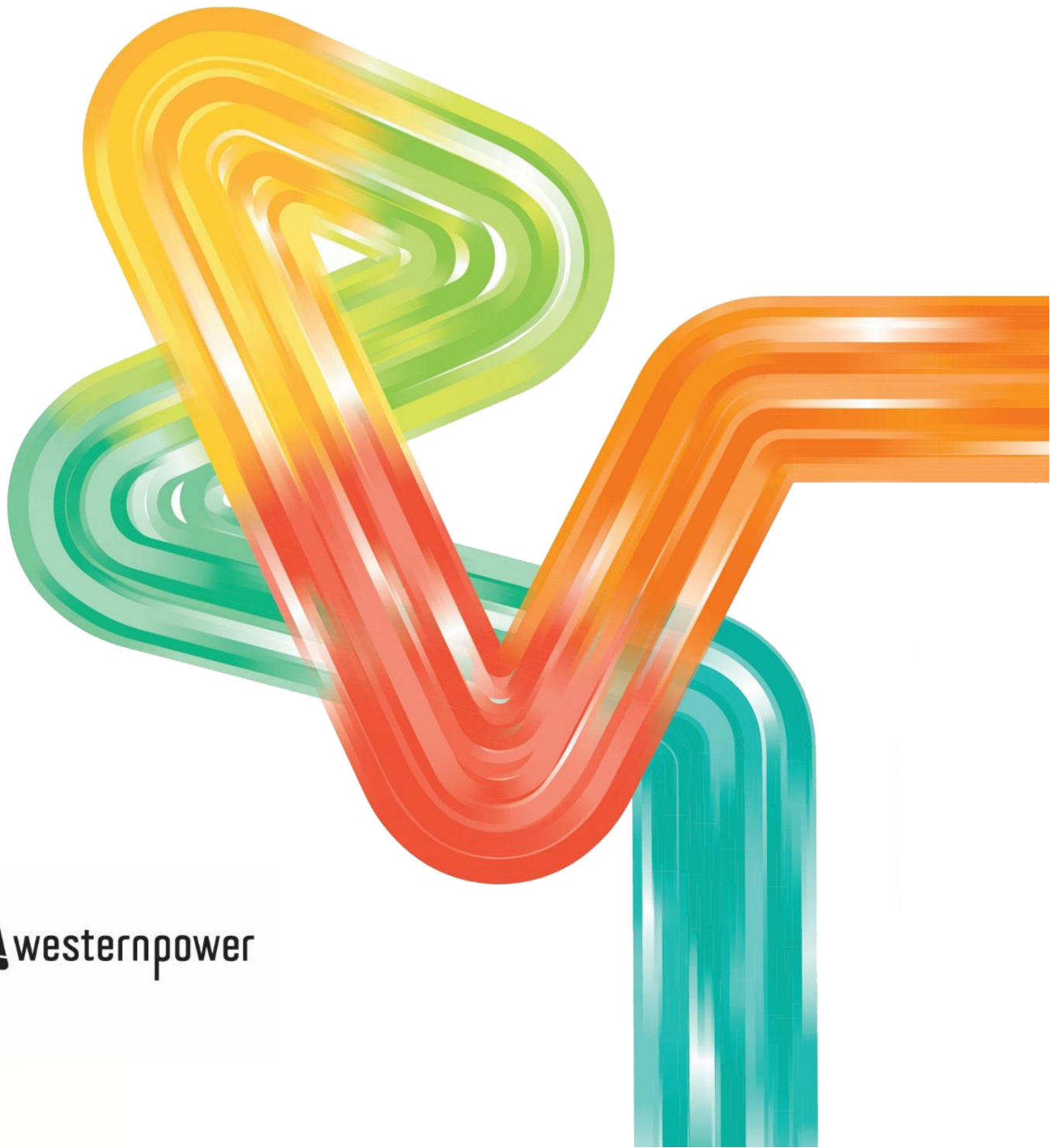


Technical Rules Exemptions Granted by Western Power

As at 30 June 2023

27 July 2023



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1. Active exemptions

1.1 Pre-2016

Exemption granted to:	Applicable clause(s)	Date granted	Date expiring	Exemption details
Neerabup Units G11 & G12	Technical Rules 2007; Clause 3.3.3.1 (a)	16 Jan 2008	Ongoing	Reactive power capability Modified performance criteria: 0.8 Lagging 101.3 MVAR 0.9 Leading 68.5 MVAR Financial contribution for the shortfall in reactive power capability, pursuant to clause 3.3.3.1(d).
Neerabup Units G11 & G12	Technical Rules 2007; Clause 3.3.3.3 (b)	16 Jan 2008	Ongoing	Off-nominal frequency capability Modified performance criteria: 47.0 – 47.5 Hz 20 seconds 47.5 – 51.5 Hz continuous 51.5 – 52.0 Hz 20 seconds 52.0 – 52.5 Hz 0 seconds Constrained operation for SWIS load below 1960MW.
Bluewaters Power Station Unit 2	Technical Rules 2007; Clause 3.3.3.5	29 Jan 2008	Ongoing	Ramping rate Modified performance criteria: Increasing output by 10 MW in the first 10 seconds. After one minute increasing output at a rate of 3 per minute. Reflects realistic performance capability of the plant.
Collgar Wind Farm	Technical Rules 2007; Clause 3.3.3.10 (c)(1)	4 Sep 2009	Ongoing	De-energisation of generator circuits Modified primary switchyard arrangement, with no circuit breakers in the generator's switchyard. Deemed to be technically and commercially optimal arrangement. Financial contribution made for the switchyard.

Exemption granted to:	Applicable clause(s)	Date granted	Date expiring	Exemption details
Collgar Wind Farm	Technical Rules 2007; Clause 2.2.10 Figure 2.1	7 Oct 2009	Ongoing	Overvoltage performance Modified performance criteria allows alternative overvoltage capability curve as proposed by the generator to apply in lieu of one in clause 2.2.10, Figure 2.1. The connection point site-specific overvoltage performance requirements (as assessed by Western Power) are met by the generators over voltage capability.
Tesla, Harris Road, Leeming Road, Deepdale Road and Kemerton 10.0 MW Power Stations	Technical Rules 2007; Clause 3.3.1 (c)	10 Jun 2010	Ongoing	Requirements for generator units (general) Modified performance allows the units to be classed under clause 3.6 for small generators. Initial misinterpretation of the applicable requirements (by both Western Power and Tesla) and advanced stage of these projects at the time the correct interpretation became apparent.
Grasmere Wind Farm	Technical Rules 2007; Clause 3.2.2	25 Oct 2010	Ongoing	Main switch Modified requirement allows for utilisation of Western Power feeder circuit breaker to de-energise wind farm in lieu of wind farm 'main switch'. Integration into Albany zone substation and existing voltage control scheme via the 3rd 'identical 22kV (wind farm) feeder' is deemed the best solution. Additional cost of technical compliance would increase operational complexity and not provide any tangible benefit. Financial contribution made for the switchyard.
Synergy	Technical Rules 2007; Clause 3.7.8.3(b)	23 Mar 2011	Ongoing	Inspection and testing Inspection and testing requirements waived, pursuant to the Office of Energy's Final Outcomes Report and subsequent recommendation to change the Technical Rules accordingly.
Bluewaters Power Station Unit 2	Technical Rules 2007; Clause 3.3.3.1	24 Aug 2011	Ongoing	Reactive power capability Modified performance criteria: For steady state voltages from 90.5% to 90% of the rated voltage at the connection point, the required reactive power absorption is at least the amount equal to the product of the rated active power output of the generation unit at nominal voltage and 0.441.

Exemption granted to:	Applicable clause(s)	Date granted	Date expiring	Exemption details
Extension Hill Pty Ltd (EHPL)	Technical Rules 2011; Clause 3.2.2	23 Feb 2012	Ongoing	Main switch Modified requirement allows for utilisation of Western Power circuit breaker to de-energise the load in the initial connection scenario. There is no benefit in these particular circumstances in requiring EHPL to install its own 330kV main switch at Three Springs Terminal.
Karara Power Pty Ltd (KPPL)	Technical Rules 2011; Clause 3.2.2	18 Apr 2012	Ongoing	Main switch Modified requirement allows for utilisation of Western Power circuit breakers to de-energise transmission load. There is no benefit in these particular circumstances in requiring KPPL to install its own 132kV main switch at Eneabba substation and 330kV main switch at Three Springs Terminal.
Public Transport Authority: City railway substation	Technical Rules 2011; Clause 3.2.1 (d)(2)	25 Sep 2012	Ongoing	Negative phase sequence Two-phase connection accepted. The exemption is granted pursuant to clause 1.9.4(a), as the project was well advanced before 23 Dec 2011, being the commencement date for the revised Technical Rules (current) in which clause 3.2.1(d)(2) was materially changed.
West Hills and Anderson Wind Farm	Technical Rules 2011; Clause 2.9.2 (b)	6 Nov 2012	Ongoing	Duplication of protection Two external generator protection relays are supplied from a single voltage transformer (VT). In case of loss of the VT input to the protection relay, the VT supervision function of the relay will send the trip signal to disconnect the wind farm, which is considered as an acceptable functional alternative to duplication of the VTs.
Verve Energy Muja D	Technical Rules 2011; Clause 2.2.8 (a) 2.2.8 (b)	17 Jan 2013	Ongoing	Damping of oscillations The modified respective damping ratios must be at least 0.07 and 0.27. The performance (after automatic voltage regulator replacement) is at least equivalent to the previous performance.

Exemption granted to:	Applicable clause(s)	Date granted	Date expiring	Exemption details
Verve Energy Kwinana HEGT 200MW Power Station	Technical Rules 2011; Clause 2.2.8 (a) 2.2.8 (b)	17 Jan 2013	Ongoing	Damping of oscillations Power system studies and commissioning test results that showed that connection of the Kwinana HEGT power station with modified damping ratios will cause no adverse impact on the South West Interconnected System.
Grasmere Wind Farm	Technical Rules 2011; Clause 3.3.4.5(g) Table 3.2	14 Feb 2013	Ongoing	Rise time The maximum permitted rise time is modified to 3.0 seconds. There is no benefit in these circumstances in requiring modification of the integrated Albany wind farm control scheme (of which Grasmere is Stage 2) to achieve compliance.
Collgar Wind Farm	Technical Rules 2011; Clause 3.3.3.3 (h)(2)	21 Jun 2013	Ongoing	Active power recovery time The output returns to pre-fault output within 1000 milliseconds. There are no adverse impacts on the network or the other Users.
Kwinana Donaldson Road Power Station Unit 1 & Unit 2	Technical Rules 2011; Clause 2.2.8 (a) 2.2.8 (b)	23 Dec 2013	Ongoing	Damping of oscillations The analysis conducted by Western Power determined that the modified damping of oscillations requirements at this location do not create material impact on Western Power's network performance and other customers for the currently installed power station capacity.
Dradgin Pty Ltd Subiaco	Technical Rules 2011; Clause 3.6.10.1 (a)	2 Oct 2014	Ongoing	Protection (location) Modified requirement for all protection functions equipment specified in 3.6.10 to be located as close as practicable to the connection point.
Brockway DiCOM Facility Pty Ltd Shenton Park PPG	Technical Rules 2011; Clause 3.6.10.1 (a)	28 Apr 2015	Ongoing	Protection (location) Modified requirement for all protection functions equipment specified in 3.6.10 to be located as close as practicable to the connection point.

1.2 Technical Rules (2016)

1.2.1 Large Generators (Section 3.3)

Exemption granted to:	Applicable clause(s)	Date granted	Date expiring	Exemption details
Emu Downs Wind Farm	3.3.3.1 (c)(2)	1 Mar 2017	31 Dec 2023	Reactive power capability Modified requirement reflects realistic performance capability of the plant.
Collgar Wind Farm	3.3.4.4 (d)	6 Sep 2017	31 July 2023	Frequency Control Modified performance requirements are applicable to the installation for dead band (clause 3.3.4.4. (d)), with parameters reflecting performance capabilities of the plant.
Merredin Solar Farm	3.3.3.3 (h)(2)	30 Apr 2018	31 Mar 2024	Continuous Uninterrupted Operation The active power output performance limits have been adjusted to reflect realistic performance capability of the installation.
Emu Downs Solar Farm	3.3.3.3(h)(2)	12 Sep 2018	30 Sep 2024	Continuous Uninterrupted Operation The active power output performance limits have been adjusted to reflect realistic performance capability of the installation.
Badgingarra Wind Farm (Wind Portfolio Pty Ltd)	3.3.4.4 (f)(2)	07 Nov 2018	20 July 2023	Frequency Control Modified performance requirements for Rate of response reflecting realistic performance capability of the plant at present time.
Alinta Wagerup	3.3.4.4 (f)(1)	18 Feb 2019	30 Sep 2024	Frequency Control Modified performance requirements for Rate of response reflecting realistic performance capability of the plant at present time. Note: The expiry date for this exemption has been corrected to 30 Sep 2024
Alinta Wagerup	3.3.4.5 (f)	18 Feb 2019	30 Sep 2024	Voltage Control Systems Modified performance requirements for settling time reflecting realistic performance capability of the plant at present time. Note: The expiry date for this exemption has been corrected to 30 Sep 2024

Exemption granted to:	Applicable clause(s)	Date granted	Date expiring	Exemption details
Alinta Wagerup	3.3.3.1 (c)(1)(A) 3.3.3.1 (c)(1)(B)	18 Feb 2019	30 Sep 2024	Reactive Power Capability Modified performance requirements for supply and absorption of reactive power reflecting realistic performance capability of the plant at present time. Note: The expiry date for this exemption has been corrected to 30 Sep 2024
Northam Solar Farm	3.3.3.3 (h)(2)	13 May 2019	15 May 2024	Continuous Uninterrupted Operation Modified performance requirements for active power recovery after a system disturbance, reflecting realistic performance capability of the plant at present time.
GRSF Trust (Greenough River Solar Farm)	3.3.3.3(h)(2)	2 Jul 2019	2 Jul 2023	Continuous Uninterrupted Operation Modified performance requirements for active power recovery after a system disturbance, reflecting realistic performance capability of the plant at present time.
Badgingarra Wind Farm (Wind Portfolio Pty Ltd)	3.3.4.5(g)	24 Jul 2019	31 July 2023	Voltage Control System Exemption allows variation of voltage/reactive power control system to allow sufficient time for user to investigate full compliance to this clause.
CSBP Limited	3.3.3.1(c)(1)(B)	20 Apr 2021	20 Apr 2024	Reactive Power Capability Modified performance requirements for Reactive Power Capability reflecting realistic performance capability of the plant at present time.
CSBP Limited	3.3.4.5(d)	20 Apr 2021	20 Apr 2024	Voltage Control System Modified performance requirements for Voltage Control System reflecting realistic performance capability of the plant at present time.
CSBP Limited	3.3.4.4(d), 3.3.4.4(f)(2)	20 Apr 2021	20 Apr 2024	Frequency Control Modified performance requirements for Frequency Control reflecting realistic performance capability of the plant at present time.
Merredin Solar Farm	3.3.4.5(g)	20 Jul 2021	29 Jul 2023	Voltage Control System Modified performance requirements for Voltage Control System reflecting realistic performance capability of the plant at present time.

Exemption granted to:	Applicable clause(s)	Date granted	Date expiring	Exemption details
Merredin Solar Farm	3.3.4.4(f)(2)	10 Aug 2021	10 Aug 2023	Frequency Control Modified performance requirements for Frequency Control reflecting realistic performance capability of the plant at present time.
Blair Fox Pty Ltd (Waslee Downs)	3.3.3.3(c)(1)	3 Aug 2022	Ongoing	Immunity to Voltage Excursions Modified performance requirements for continuous uninterrupted operation after a system disturbance causing a voltage drop at the connection point, reflecting realistic performance capability of the plant at present time.
Blair Fox Pty Ltd (Waslee Downs)	3.3.3.3(e)	3 Aug 2022	Ongoing	Immunity to High Speed Auto Reclosing Modified performance requirements for continuous uninterrupted operation after a system disturbance caused by high speed auto-reclosing of transmission lines, reflecting realistic performance capability of the plant at present time.
Blair Fox Pty Ltd (Waslee Downs)	3.3.3.3(h)(2)	3 Aug 2022	Ongoing	Continuous Uninterrupted Operation Modified performance requirements for active power recovery after a system disturbance, reflecting realistic performance capability of the plant at present time.
Blair Fox Pty Ltd (Waslee Downs)	3.3.4.4(f)(2)	1 Dec 2022	Ongoing	Frequency Control Modified performance requirements for Frequency Control reflecting realistic performance capability of the plant at present time.
Blair Fox Pty Ltd (Waslee Downs)	Clause 3.3.4.5(g)	1 Dec 2022	Ongoing	Voltage Control System Modified performance requirements for Voltage Control System reflecting realistic performance capability of the plant at present time.

1.2.2 Loads (Section 3.2, 3.4)

Exemption granted to:	Applicable clause(s)	Date granted	Date expiring	Exemption details
Public Transport Authority of Western Australia (Nowergup)	3.4.8(e)	16 Jun 2022	30 June 2024	Design Requirements for Consumers' Substations Modified requirement to allow customer's substation earthing grid to be bonded to Network Operator's earthing grid

Exemption granted to:	Applicable clause(s)	Date granted	Date expiring	Exemption details
Public Transport Authority of Western Australia (Beckenham)	3.4.8(e)	16 Jun 2022	30 June 2024	Design Requirements for Consumers' Substations Modified requirement to allow customer's substation earthing grid to be bonded to Network Operator's earthing grid
Talison Lithium Australia	2.9.1(c)	3 Oct 2019	Ongoing	General Requirements Modified requirements to allow protection apparatus to include current and voltage transformers to be compliant with IEC 61869.

Loads sub-register

The following exemptions have been applied to multiple HV connection points. The complete record is available in the companion sub-register available on the ERA website.

Exemption granted to:	Applicable clause(s)	Date granted	Date expiring	Exemption details
General Notification: Two phase supply option for transmission connections	3.2.1(d)(2)	23 Aug 2017	Ongoing	Two phase supply Modified requirements for Users connected to transmission system, allowing a two-phase connection where specific set of conditions are demonstrated to have been met. An exemption application for each qualifying connection point is still required. A register of exemption recipients is maintained. Number of Exemptions (to 30 June 2023): 4

1.2.3 HV connected embedded generators (Section 3.6)

Exemption granted to:	Applicable clause(s)	Date granted	Date expiring	Exemption details
Inmarsat Solutions BV	3.6.2 (c)(2)	25 Aug 2017	1 Jul 2027	Connection voltage requirements Modified requirement for User voltage at the connection point to accommodate specific equipment installed. There is no adverse impact on other User or the network.
Dradgin Pty Ltd Subiaco	3.6.10.1 (g) 3.3.1 (g)	10 Aug 2018	Ongoing	Protection (location) Extending a previously granted exemption for location of protection function equipment to another impacted clause.
Department of Defence – HMAS Stirling Naval Base	3.6.10.1 (a)	20 Jun 2019	Ongoing	Protection (location) Modified requirement for all protection functions equipment specified in 3.6.10 to be located as close as practicable to the connection point.
Department of Defence – HMAS Stirling Naval Base	3.6.10.3 (c)	20 Jun 2019	Ongoing	Islanding Protection Duplicated islanding protection schemes share same CT/VT secondary windings on the basis that approved failsafe protection has been implemented
Southern Seawater Joint Venture	3.6.10.1(a) 3.6.10.1(d) 3.6.10.1(g)	1 Sep 2020	Ongoing	Protection (General) 100kVA of non-synchronous generation connected at a 132kV transmission connected connection point using modified protection requirements.
CSIRO (Waterford)	3.6.10.1(a) 3.6.10.1(g) 3.6.10.1(d) 3.6.7.2(a)	6 Apr 2021	1 Nov 2024	Protection (General) Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions away from the connection point at secondary voltage (LV).
CSIRO (Kensington)	3.6.10.1(a) 3.6.10.1(g) 3.6.10.1(d) 3.6.7.2(a)	6 Apr 2021	1 Nov 2024	Protection (General) Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions away from the connection point at secondary voltage (LV).

Exemption granted to:	Applicable clause(s)	Date granted	Date expiring	Exemption details
Water Corporation (Shenton Park)	3.6.10.1(a) 3.6.10.1(g)	9 Apr 2021	1 Nov 2024	Protection (General) Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions away from the connection point at secondary voltage (LV).
Mineral Resources Pty Ltd	3.6.10.1(a) 3.6.10.1(g)	1 Jun 2021	1 Jun 2023	Protection (General) Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions away from the connection point at secondary voltage (LV).
Stockland Property Management Pty Ltd	3.6.10.1(a) 3.6.10.1(g)	2 Aug 2021	11 Apr 2023	Protection (General) Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions away from the connection point at secondary voltage (LV).
Water Corporation (Mirrabooka)	3.6.10.1(a) 3.6.10.1(g)	19 Aug 2021	1 Jun 2023	Protection (General) Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions away from the connection point at secondary voltage (LV).
Schlumberger Australia Pty Ltd	3.6.10.1(a) 3.6.10.1(g)	23 Sep 2021	31 Mar 2023	Protection (General) Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions away from the connection point at secondary voltage (LV).
Legion Energy Pty Ltd as trustee for Legion Energy Trust	3.6.10.1(a) 3.6.10.1(g)	25 Oct 2021	1 Apr 2023	Protection (General) Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions away from the connection point at secondary voltage (LV).
Carousel Glass Pty Ltd	3.6.10.1(a) 3.6.10.1(g)	10 Dec 2021	1 Nov 2024	Protection (General) Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions away from the connection point at secondary voltage (LV).

Exemption granted to:	Applicable clause(s)	Date granted	Date expiring	Exemption details
First Mode Pty Ltd	3.6.7.2(a) 3.6.10.1(g)	8 Apr 2022	Ongoing	Main Switch, Protection (General) Modified requirements for Customer main switch and protection requirements to accommodate specific equipment installed. There is no adverse impact on other Users or the network.
Stockland Property Management Pty Ltd	3.6.7.2(a)	13 Apr 2022	Ongoing	Customer Main Switch Provision for embedded generation with multiple switches. Does not waive connection point aggregate requirements.
NEXTDC Limited	3.6.10.1(a)	28 Apr 2022	Ongoing	Protection (General) Modified requirement for location of installed protection at HV connection point to install protection away from connection point but still at nominal voltage.
AER Retail Pty Ltd	3.6.10.1(a)	27 Jun 2022	Ongoing	Protection (General) Modified protection requirements at a HV Distribution connection point to allow the installation of some protection functions away from the connection point at secondary voltage (LV).
Schlumberger Australia Pty Ltd	3.6.7.2(a)	6 Jul 2022	Ongoing	Main Switch HV Connection point - Alternative arrangements comprising clearly labelled multiple main switches has been accepted, provided response to faults on the network or on the User's installation is not adversely affected by this change
Stockland Property Management Pty Ltd	3.6.10.1(a) 3.6.10.1(g)	7 Jul 2022	31 Jul 2024	Protection (General) Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions away from the connection point at secondary voltage (LV).
Water Corporation	3.7.1(a)	6 Jul 2022	Ongoing	Scope Modified requirement to allow 30kVA of PV generation to be installed at HV site using chapter 3.7 LV requirements

Exemption granted to:	Applicable clause(s)	Date granted	Date expiring	Exemption details
City of Busselton	3.7.1(a)	6 Jul 2022	Ongoing	Scope Modified requirement to allow 30kVA of PV generation to be installed at HV site using chapter 3.7 LV requirements
Shopping Centres Australasia Property Retail Trust (Kwinana 1)	3.6.10.1(a) 3.6.10.1(g)	2 Aug 2022	31 Jul 2024	Protection (General) Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions away from the connection point at secondary voltage (LV).
Shopping Centres Australasia Property Retail Trust (Kwinana 2)	3.6.10.1(a) 3.6.10.1(g)	2 Aug 2022	31 Jul 2024	Protection (General) Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions away from the connection point at secondary voltage (LV).
Water Corporation	3.7.1(a)	18 Aug 2022	Ongoing	Scope Modified requirement to allow 30kVA of PV generation to be installed at HV site using chapter 3.7 LV requirements
Advantage Air	3.6.7.2(a)	17 Oct 2022	Ongoing	Main Switch HV Connection point - Alternative arrangements comprising clearly labelled multiple main switches has been accepted, provided response to faults on the network or on the User's installation is not adversely affected by this change
RAAFA (WA Division) Inc (Bull Creek)	3.6.10.1(a) 3.6.10.1(g)	21 Oct 2022	24 Oct 2024	Protection (General) Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions away from the connection point at secondary voltage (LV).
RAAFA (WA Division) Inc (Meadow Springs)	3.6.10.1(a) 3.6.10.1(g)	4 Nov 2022	4 Nov 2024	Protection (General) Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions away from the connection point at secondary voltage (LV).

Exemption granted to:	Applicable clause(s)	Date granted	Date expiring	Exemption details
RAAFA (WA Division) Inc (Merriwa)	3.6.10.1(a) 3.6.10.1(g)	4 Nov 2022	4 Nov 2024	Protection (General) Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions away from the connection point at secondary voltage (LV).
Shopping Centres Australasia Property Organisation Pty Ltd (SCA Kwinana 1)	3.6.7.2(a)	16 Nov 2022	Ongoing	Main Switch HV Connection point - Alternative arrangements comprising clearly labelled multiple main switches has been be accepted, provided response to faults on the network or on the User's installation is not adversely affected by this change
Shopping Centres Australasia Property Organisation Pty Ltd (SCA Kwinana 2)	3.6.7.2(a)	16 Nov 2022	Ongoing	Main Switch HV Connection point - Alternative arrangements comprising clearly labelled multiple main switches has been be accepted, provided response to faults on the network or on the User's installation is not adversely affected by this change
Shopping Centres Australasia Property Organisation Pty Ltd (SCA Currambine)	3.6.7.2(a)	24 Nov 2022	Ongoing	Main Switch HV Connection point - Alternative arrangements comprising clearly labelled multiple main switches has been be accepted, provided response to faults on the network or on the User's installation is not adversely affected by this change
Department of Finance	3.6.7.2(a)	9 Jan 2023	16th Sep 2023	Main Switch Temporary exemption granted to allow the customer to operate with an ATS as the main switch for this site. This exemption is applicable for 8 months from the issuing date of the exemption letter.
Perth Markets Group Limited	3.6.7.2(a)	20 Jan 2023	Ongoing	Main Switch HV Connection point - Alternative arrangements comprising clearly labelled multiple main switches has been be accepted, provided response to faults on the network or on the User's installation is not adversely affected by this change
Silverleaf Investments Pty Ltd	3.6.7.2(a)	19 May 2023	Ongoing	Main Switch HV Connection point - Alternative arrangements comprising clearly labelled multiple main switches has been be accepted, provided response to faults on the network or on the User's installation is not adversely affected by this change

Exemption granted to:	Applicable clause(s)	Date granted	Date expiring	Exemption details
Silverleaf Investments Pty Ltd	3.6.10.1(a)	19 May 2023	Ongoing	<p>Protection (General)</p> <p>Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions away from the connection point at secondary voltage (LV).</p>
Fremantle Ports Authority	3.6.10.1(a) 3.6.10.1(d) 3.6.7.2(a)	03 Mar 2023		<p>Protection (General)</p> <p>Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions downstream from the connection point. Eligible inverters may be connected in combination with one IEC 60255 compliant external generation protection relay.</p> <p>Main Switch</p> <p>HV Connection point - Alternative arrangements comprising clearly labelled multiple main switches has been accepted, provided response to faults on the network or on the User's installation is not adversely affected by this change</p>
Stockland Property Management Pty Ltd (Riverton)	3.6.10.1(a)	03 Mar 2023		<p>Protection (General)</p> <p>Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions away from the connection point at secondary voltage (LV).</p>
QE II Medical Centre	3.6.10.1(a)	13 Apr 2023		<p>Protection (General)</p> <p>Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions away from the connection point at secondary voltage (LV).</p>

Exemption granted to:	Applicable clause(s)	Date granted	Date expiring	Exemption details
ATCO Gas Australia Pty Ltd	3.6.10.1(a) 3.6.10.1(d) 3.6.7.2(a)	22 June 2023		<p>Protection (General) Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions downstream from the connection point. The customer's inverters may be connected in combination with duplicated IEC 60255 compliant external generation protection relay.</p> <p>Main Switch HV Connection point - Alternative arrangements comprising clearly labelled multiple main switches has been accepted, provided response to faults on the network or on the User's installation is not adversely affected by this change</p>

1.2.4 LV connected embedded generators (Section 3.3, 3.6, 3.7)

Exemption granted to:	Applicable clause(s)	Date granted	Date expiring	Exemption details
Southern Seawater Joint Venture	Technical Rules 2016; Clause 3.3	14 Nov 2019	Ongoing	<p>Requirements for connection of Generating Units Exemption allows 100kVA of non-synchronous generation connected at a 132kV transmission connected connection point using requirements described within Technical Rules cl. 3.6 instead of cl. 3.3.</p>
Keysbrook Leucoxene Abba Riber	3.7.1(a)	05 May 2023	Ongoing	Modified requirement to allow 30kVA of PV generation to be installed at HV site using chapter 3.7 LV requirements
Keysbrook Leucoxene Dandalup	3.7.1(a)	05 May 2023	Ongoing	Modified requirement to allow 30kVA of PV generation to be installed at HV site using chapter 3.7 LV requirements
Doral Fused Materials	3.7.1(a)	05 May 2023	Ongoing	Modified requirement to allow 30kVA of PV generation to be installed at HV site using chapter 3.7 LV requirements

LV connected embedded generation sub-register

The following “general” exemptions have been applied to multiple LV connection points. The complete record is available in the companion sub-register available on the ERA website.

Exemption granted to:	Applicable clause(s)	Date granted	Date expiring	Exemption details
Multiple exemptions: Requirements for the location of installed central protection for LV connected, <1MVA embedded generation	3.6.10.1 (a)	5 May 2019	Ongoing	<p>Protection</p> <p>Provision for protection functions for LV connected, <1 MVA IEG as specified in clause 3.6.10 to be installed away from the connection point at an equivalent point, where the equivalent point in the installation must meet all of the following requirements:</p> <p>The equivalent point is at a distribution board within the installation that connects the User’s site load.</p> <p>The equivalent point is no more than one distribution board downstream from the site’s main distribution board and connection point.</p> <p>The overcurrent protection at the equivalent point grades with the SPD and main switch(es).</p> <p>The voltage rise to the equivalent point is less than 1%. The voltage rise calculation uses the rated output of the generation without any offset from load from the equivalent point to the connection point.</p> <p>An exemption application for each qualifying connection point is still required.</p> <p>A register of exemption recipients is maintained.</p> <p>Number of Exemptions (to 30 June 2023): 329</p>

Exemption granted to:	Applicable clause(s)	Date granted	Date expiring	Exemption details
General Notification: Protection requirements for inverter systems between 30 kVA and 1 MVA	3.6.10.1 (d) 3.6.10.1 (g)	Revised 11 Sep 2017	Ongoing	<p>Protection requirements</p> <p>Users/Generators connected to distribution network via AS/NZS 4777 certified inverter, of aggregate capacity between 30 kVA and 1 MVA can request exemption from clause 3.6.10.1 (d) of the Technical Rules. If they also meet further criteria, additional exemption for 3.6.10.1 (g) can also be granted.</p> <p>A register of exemption recipients is maintained.</p> <p>Number of Exemptions 3.6.10.1(d) (to 30 June 2023): 1065 Number of Exemptions 3.6.10.1(g) (to 30 June 2023): 1074</p>
General Notification: Multi residential connection points aggregate inverter capacity up to 500 kVA	3.6	23 Oct 2017	Various	<p>All requirements</p> <p>Owners of shared connection points can apply for an exemption from clause 3.6 of the Technical Rules and have small residential inverter energy systems (under 5 kVA each) considered under clause 3.7 of the Technical Rules. Certain criteria must be met, and each application is individually assessed.</p> <p>A register of exemption recipients is maintained.</p> <p>Number of Exemptions (to 30 June 2023): 132</p>
Multiple exemptions: Main Switch requirements for LV connected, <1MVA embedded generation	3.6.7.2 (a)	22 Oct 2018	Ongoing	<p>Customer Main Switch</p> <p>Provision for embedded generation with multiple switches. Does not waive connection point aggregate requirements.</p> <p>An exemption application for each qualifying connection point is still required.</p> <p>A register of exemption recipients is maintained.</p> <p>Number of Exemptions (to 31-Dec-2022): 506</p>

2. Expired exemptions

2.1 Exemptions under review

The following exemptions are under review. The original exemptions have expired, and no new exemption has been issued. The status of the non-compliance is being investigated or negotiations are under way regarding resolution.

Exemption granted to:	Applicable clause(s)	Date granted	Date expiring	Exemption details
Yandin Wind Farm Pty Ltd	Technical Rules 2016; Clause 3.3.3.1(d)	04 Apr 2021	20 Apr 2023	General Requirements Modified frequency stability requirements reflecting capability of the plant at present time.
Newgen Kwinana	3.3.4.5(f)	08 Jun 2020	30 Jun 2022	Voltage Control System Modified voltage control system requirements reflecting capability of the plant at present time.
Newgen Kwinana	3.3.3.3(d)	08 Jun 2020	30 Jun 2022	Immunity to High Speed Auto Reclosing Modified requirements reflecting capability of the plant at present time.

2.2 Supplementary Reserve Capacity (Summer 2022/23)

The following exemptions were time-limited and were granted to support generators participating in AEMO's 2022 Supplementary Reserve Capacity (SRC) process.

Exemption granted to:	Applicable clause(s)	Date granted	Date expiring	Exemption details
Alinta_Wagerup	Technical Rules 2016; Clause 2.2.8	23 December 2022	Expires 12 weeks after the commencement of the SRC contract	Oscillatory Rotor Angle Stability No modified requirements applied

Exemption granted to:	Applicable clause(s)	Date granted	Date expiring	Exemption details
Alinta_Wagerup	Technical Rules 2016; Clause 3.3.3.3(c)	23 December 2022	Expires 12 weeks after the commencement of the SRC contract	Immunity to voltage excursions No modified requirements applied
Newgen_Neerabup	Technical Rules 2016; Clause 2.2.2	23 December 2022	Expires 12 weeks after the commencement of the SRC contract	Steady state power frequency voltage No modified requirements applied
Newgen_Neerabup	Technical Rules 2016; Clause 3.3.3.3(e)	23 December 2022	Expires 12 weeks after the commencement of the SRC contract	Immunity to high speed auto reclosing No modified requirements applied
Newgen_Neerabup	Technical Rules 2016; Clause 2.2.8	23 December 2022	Expires 12 weeks after the commencement of the SRC contract	Oscillatory rotor angle stability No modified requirements applied
Synergy_Kwinana HEGT	Technical Rules 2016; Clause 3.3.3.1	23 December 2022	Expires 12 weeks after the commencement of the SRC contract	Reactive power capability No modified requirements applied
Synergy_Kwinana HEGT	Technical Rules 2016; Clause 3.3.3.3 (c)	23 December 2022	Expires 12 weeks after the commencement of the SRC contract	Immunity to voltage excursions No modified requirements applied
Synergy_Kwinana HEGT	Technical Rules 2016; Clause 3.3.3.3 (h)(2)	23 December 2022	Expires 12 weeks after the commencement of the SRC contract	Post fault active power recovery No modified requirements applied

3. Retired exemptions

The following exemptions are retired. The original exemption has expired and there is no new exemption. The non-compliance is no longer present.

Exemption granted to:	Applicable clause(s)	Exemption granted	Exemption expiring	Exemption details
Inverter connected generation units 30 kVA to 150 kVA	Technical Rules 2011; Clause 2.9.2 (b)	23 Jan 2013	Ongoing	Duplication of protection One (only) IEC60255 compliant external generator protection relay required in conjunction with protections integral to AS4777-2005 compliant inverters in the capacity range of 30 to 150 kVA. Number of Exemptions (to 31-Aug-2017): 211
Bluewaters Power Station Unit 1 & Unit 2	Technical Rules 2007; Clause 3.3.4.4 (b)	17 Sep 2013	8 Dec 2015	Primary frequency control Temporary exemption to complete repairs. Reasonable repair time frame agreed to suit both parties in order to bring the Units back into compliance.
Alinta Cogeneration Wagerup Power Station Unit 1 & Unit 2	Technical Rules 2011; Clause 3.3.4.4	20 Jan 2014	31 Dec 2014	Primary frequency control Exemption granted in order to allow sufficient time for the investigation and implementation of a solution in line with the capability of the units and the governor compliance issues.
NewGen Power Station Kwinana	Technical Rules 2011; Clause 3.3.4.4	20 Jan 2014	30 Jun 2014	Primary frequency control Exemption granted in order to allow sufficient time for the investigation and implementation of a solution in line with the capability of the units and the governor compliance issues. This has been investigated and an exemption is not required.
Ferngrove Vineyards Ltd 200kVA Solar PV Power Station	Technical Rules 2011; Clause 3.6.10.1(g) 2.9.2(b)	7 Mar 2014	31 Dec 2014	Protection (general) and duplication of protection Temporary exemption to allow for the installation of voltage transformer and NVD protection.

Exemption granted to:	Applicable clause(s)	Exemption granted	Exemption expiring	Exemption details
Mitchell Foods Pty Ltd 150kVA Solar PV Power Station	Technical Rules 2011; Clause 3.2.1(c)(3)	29 Apr 2014	31 Jul 2014	Harmonics Exemption granted to allow sufficient time for the procurement of an isolation transformer and installation and completion of the final facility to achieve compliance.
Low voltage, inverter connected generator systems, rated between 30kVA and 150 kVA	Technical Rules 2011; Clause 3.6.10.1(g)	1 Dec 2014	31 Aug 2016	Network Earth Fault (E/F) Protection E/F and Neutral Voltage Displacement (NVD) protection requirements will be assessed on a case by case basis by Western Power. Number of Exemptions (to 31-Aug-2017): 239
Department of Defence; Carnegie Wave Energy Unit	Technical Rules 2011; Clause 3.6.10	2 Jan 2015	2 Jan 2016	Protection Exemption allows variation of protection requirements to allow sufficient time for Department of Defence to upgrade protection equipment and switchboards at the connection point.
Low voltage connection points	Technical Rules 2011; Clause 3.2.1(c)(3)	15 May 2015	1 Aug 2016	Modified DC Injection Limits Users must complete the 'Technical Rules Direct Current (DC) Injection Transition Exemption form available on the Western Power web site and meet the requirements therein. Number of Exemptions (to retirement): 75
NewGen Power Station ERM Neerabup	Technical Rules 2016; Clause 3.3.4.4(f)(1)	12 Sep 2016	31 Oct 2017	Frequency control Investigation into maximum 'rate of response' capability of plant.
Alinta Cogeneration Wagerup Power Station Unit 1 & Unit 2	Technical Rules 2016; Clause 3.3.3.5 (a)	26 Sep 2017 for 1 Oct 2018	1 Oct 2019	Ramping Rates A temporary change in the required performance parameters while tests are under way to ascertain true capability of the plant.
Windsor Knight	Technical Rules 2016; Clause A12.10.6	17 Jan 2018	31 Dec 2019	Power Quality logging requirements The Power Quality logging requirements for the premises at Station St, Subiaco location, have been amended to reflect what is realistically possible.

Exemption granted to:	Applicable clause(s)	Exemption granted	Exemption expiring	Exemption details
Landfill Gas & Power Pty Ltd	Technical Rules 2016; Clause 3.6.11	30 Apr 2018	31 Oct 2019	Intertripping A temporary change in performance requirements while a compliant solution is implemented.
Sun Brilliance Power Pty Ltd	Technical Rules 2016; Clause 3.3.3.3 (h)(2)	30 Apr 2018	31 July 2022	Continuous Uninterrupted Operation The active power output performance limits have been adjusted to reflect realistic performance capability of the installation.
Mumbida Wind Farm Pty Ltd	Technical Rules 2016; Clause 3.3.4.5 (g)(3)	11 Jun 2018	31 Dec 2019	Settling time A temporary exemption allowing time for a compliant solution to be implemented.
Pearl Clean Energy Pty Ltd	Technical Rules 2016; Clause 3.7.3 (d)	15 Aug 2018	31 Jan 2019	Relevant standards A temporary exemption allowing time for testing of an inverter type/make for suitability to intended purpose.
Warradarge Wind Farm	Technical Rules 2016; Clause 3.2.1(c)(1)	10 Oct 2018	1 July 2022	Harmonics Validation of harmonic measurement data/report provided to ensure emission is within allocated limits.
Warradarge Wind Farm	Technical Rules 2016; Clause 3.3.4.4 (f)(2)	07 Nov 2018	31 Dec 2020	Frequency Control Modified performance requirements for Rate of response reflecting realistic performance capability of the plant at present time.
Northam Solar Farm	Technical Rules 2016; Clause 3.3.3.1(a) 3.3.3.1(c)(4)	13 May 2019	31 May 2021	Reactive Power Capability Requirements for the continuous supply of reactive power, reflecting realistic performance capability of the plant have been assessed and deemed compliant.

Exemption granted to:	Applicable clause(s)	Exemption granted	Exemption expiring	Exemption details
Vicinity Centres PM Pty Ltd	Technical Rules 2016; Clause 3.6.10.1(a), 3.6.10.1(g)	15 Jul 2019	15 Nov 2019	Protection Exemption allows variation of protection requirements to allow sufficient time for user to upgrade protection equipment at the connection point.
Royal Perth Hospital	Technical Rules 2016; Clause 3.6.10.1(i)	27 Aug 2021	30 Dec 2021	Protection Modified protection requirements for export limiting
Flat Rocks Wind Farm	Technical Rules 2016; Clause 3.3.4.4 (f)(2)	16 Aug 2017	12 Apr 2023	Frequency control rate of response Modified requirement reflects realistic performance capability of the plant.