

Technical Rules exemptions granted by Western Power



Exemptions currently in effect (as at 31 December 2022)

Exemption granted to:	Applicable clause(s)	Date granted	Date expiring	<i>Exemption details</i>
Neerabup Units G11 & G12	Technical Rules 2007; Clause 3.3.3.1 (a)	16 Jan 2008	Ongoing	<p><i>Reactive power capability</i> <i>Modified performance criteria:</i> 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).</p>

Exemption granted to:	Applicable clause(s)	Date granted	Date expiring	Exemption details
Neerabup Units G11 & G12	Technical Rules 2007; Clause 3.3.3.3 (b)	16 Jan 2008	Ongoing	<p>Off-nominal frequency capability</p> <p><i>Modified performance criteria:</i></p> <p>47.0 – 47.5 Hz 20 seconds</p> <p>47.5 – 51.5 Hz continuous</p> <p>51.5 – 52.0 Hz 20 seconds</p> <p>52.0 – 52.5 Hz 0 seconds</p> <p><i>Constrained operation for SWIS load below 1960MW.</i></p>

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Bluewaters Power Station Unit 2	Technical Rules 2007; Clause 3.3.3.5	29 Jan 2008	Ongoing	Ramping rate <i>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.</i>
Collgar Wind Farm	Technical Rules 2007; Clause 3.3.3.10 (c)(1)	4 Sep 2009	Ongoing	De-energisation of generator circuits <i>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.</i>
Collgar Wind Farm	Technical Rules 2007; Clause 2.2.10 Figure 2.1	7 Oct 2009	Ongoing	Overvoltage performance <i>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.</i>

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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) <i>Modified performance allows the units to be classed under clause 3.6 for small generators.</i> <i>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.</i>
Grasmere Wind Farm	Technical Rules 2007; Clause 3.2.2	25 Oct 2010	Ongoing	Main switch <i>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.</i> <i>Additional cost of technical compliance would increase operational complexity and not provide any tangible benefit. Financial contribution made for the switchyard.</i>
Synergy	Technical Rules 2007; Clause 3.7.8.3(b)	23 Mar 2011	Ongoing	Inspection and testing <i>Inspection and testing requirements waived, pursuant to the Office of Energy’s Final Outcomes Report and subsequent recommendation to change the Technical Rules accordingly.</i>
Bluewaters Power Station Unit 2	Technical Rules 2007; Clause 3.3.3.1	24 Aug 2011	Ongoing	Reactive power capability <i>Modified performance criteria:</i> <i>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.</i>

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Extension Hill Pty Ltd (EHPL)	Technical Rules 2011; Clause 3.2.2	23 Feb 2012	Ongoing	Main switch <i>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.</i>
Karara Power Pty Ltd (KPPL)	Technical Rules 2011; Clause 3.2.2	18 Apr 2012	Ongoing	Main switch <i>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.</i>
Public Transport Authority: City railway substation	Technical Rules 2011; Clause 3.2.1 (d)(2)	25 Sep 2012	Ongoing	Negative phase sequence <i>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.</i>
West Hills and Anderson Wind Farm	Technical Rules 2011; Clause 2.9.2 (b)	6 Nov 2012	Ongoing	Duplication of protection <i>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.</i>

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Verve Energy Muja D	Technical Rules 2011; Clause 2.2.8 (a) 2.2.8 (b)	17 Jan 2013	Ongoing	Damping of oscillations <i>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.</i>
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 <i>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.</i>
Grasmere Wind Farm	Technical Rules 2011; Clause 3.3.4.5(g) Table 3.2	14 Feb 2013	Ongoing	Rise time <i>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.</i>
Collgar Wind Farm	Technical Rules 2011; Clause 3.3.3.3 (h)(2)	21 Jun 2013	Ongoing	Active power recovery time <i>The output returns to pre-fault output within 1000 milliseconds. There are no adverse impacts on the network or the other Users.</i>

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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 <i>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.</i>
Dradgin Pty Ltd Subiaco	Technical Rules 2011; Clause 3.6.10.1 (a)	2 Oct 2014	Ongoing	Protection (location) <i>Modified requirement for all protection functions equipment specified in 3.6.10 to be located as close as practicable to the connection point.</i>
Brockway DiCOM Facility Pty Ltd Shenton Park PPG	Technical Rules 2011; Clause 3.6.10.1 (a)	28 Apr 2015	Ongoing	Protection (location) <i>Modified requirement for all protection functions equipment specified in 3.6.10 to be located as close as practicable to the connection point.</i>
Emu Downs Wind Farm	Technical Rules 2016; Clause 3.3.3.1 (c)(2)	1 Mar 2017	30 Jun 2023	Reactive power capability <i>Modified requirement reflects realistic performance capability of the plant.</i>
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 <i>Modified requirement reflects realistic performance capability of the plant.</i>

Exemption granted to:	Applicable clause(s)	Date granted	Date expiring	Exemption details
General Notification: Two phase supply option for transmission connections	Technical Rules 2016; Clause 3.2.1 (d)(2)	23 Aug 2017	Ongoing	<p>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.</p> <p>Number of Exemptions (to 30 June 2022): 4</p>
Inmarsat Solutions BV	Technical Rules 2016; Clause 3.6.2 (c)(2)	25 Aug 2017	1 Jul 2027	<p>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.</p>
Collgar Wind Farm	Technical Rules 2016; Clause 3.3.4.4 (d)	6 Sep 2017	31 July 2023	<p>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.</p>
General Notification: Protection requirements for inverter systems between 30 kVA and 1 MVA	Technical Rules 2016; Clause 3.6.10.1 (d) 3.6.10.1 (g)	Revised 11 Sep 2017	Ongoing	<p>Protection requirements 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. A register of exemption recipients is maintained.</p> <p>Number of Exemptions 3.6.10.1(d) (to 31 December 2022): 990 Number of Exemptions 3.6.10.1(g) (to 30 June 2022): 998</p>

Exemption granted to:	Applicable clause(s)	Date granted	Date expiring	Exemption details
General Notification: Multi residential connection points aggregate inverter capacity up to 500 kVA	Technical Rules 2016; Clause 3.6	23 Oct 2017	Various	<p>All requirements</p> <p><i>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.</i></p> <p><i>A register of exemption recipients is maintained.</i></p> <p>Number of Exemptions (to 31 December 2022): 130</p>
Merredin Solar Farm	Technical Rules 2016; Clause 3.3.3.3 (h)(2)	30 Apr 2018	31 Mar 2024	<p>Continuous Uninterrupted Operation</p> <p><i>The active power output performance limits have been adjusted to reflect realistic performance capability of the installation.</i></p>
Emu Downs Solar Farm	Technical Rules 2016; Clause 3.3.3.3(h)(2)	12 Sep 2018	30 Sep 2024	<p>Continuous Uninterrupted Operation</p> <p><i>The active power output performance limits have been adjusted to reflect realistic performance capability of the installation.</i></p>

Exemption granted to:	Applicable clause(s)	Date granted	Date expiring	Exemption details
Dradgin Pty Ltd Subiaco	Technical Rules 2016; Clause 3.6.10.1 (g) 3.3.1 (g)	10 Aug 2018	Ongoing	Protection (location) <i>Extending a previously granted exemption for location of protection function equipment to another impacted clause.</i>
Multiple exemptions: Main Switch requirements for LV connected, <1MVA embedded generation	Technical Rules 2016; Clause 3.6.7.2 (a)	22 Oct 2018	Ongoing	Customer Main Switch <i>Provision for embedded generation with multiple switches. Does not waive connection point aggregate requirements.</i> <i>An exemption application for each qualifying connection point is still required.</i> <i>A register of exemption recipients is maintained.</i> Number of Exemptions (to 31-Dec-2022): 457
Badgingarra Wind Farm (Wind Portfolio Pty Ltd)	Technical Rules 2016; Clause 3.3.4.4 (f)(2)	07 Nov 2018	20 July 2023	Frequency Control <i>Modified performance requirements for Rate of response reflecting realistic performance capability of the plant at present time.</i>
Alinta Wagerup	Technical Rules 2016; Clause 3.3.4.4 (f)(1)	18 Feb 2019	30 Sep 2024	Frequency Control <i>Modified performance requirements for Rate of response reflecting realistic performance capability of the plant at present time.</i> <i>Note: The expiry date for this exemption has been corrected to 30 Sep 2024</i>

Exemption granted to:	Applicable clause(s)	Date granted	Date expiring	Exemption details
Alinta Wagerup	Technical Rules 2016; Clause 3.3.4.5 (f)	18 Feb 2019	30 Sep 2024	Voltage Control Systems <i>Modified performance requirements for settling time reflecting realistic performance capability of the plant at present time.</i> <i>Note: The expiry date for this exemption has been corrected to 30 Sep 2024</i>
Alinta Wagerup	Technical Rules 2016; Clause 3.3.3.1 (c)(1)(A) 3.3.3.1 (c)(1)(B)	18 Feb 2019	30 Sep 2024	Reactive Power Capability <i>Modified performance requirements for supply and absorption of reactive power reflecting realistic performance capability of the plant at present time.</i> <i>Note: The expiry date for this exemption has been corrected to 30 Sep 2024</i>

Exemption granted to:	Applicable clause(s)	Date granted	Date expiring	Exemption details
<p>Multiple exemptions:</p> <p>Requirements for the location of installed central protection for LV connected, <1MVA embedded generation</p>	<p>Technical Rules 2016; Clause 3.6.10.1 (a)</p>	<p>5 May 2019</p>	<p>Ongoing</p>	<p>Protection</p> <p><i>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:</i></p> <ul style="list-style-type: none"> <i>(i) The equivalent point is at a distribution board within the installation that connects the User's site load.</i> <i>(ii) The equivalent point is no more than one distribution board downstream from the site's main distribution board and connection point.</i> <i>(iii) The overcurrent protection at the equivalent point grades with the SPD and main switch(es).</i> <i>(iv) 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.</i> <p><i>An exemption application for each qualifying connection point is still required. A register of exemption recipients is maintained.</i></p> <p>Number of Exemptions (to 30 June 2022): 294</p>
<p>Northam Solar Farm</p>	<p>Technical Rules 2016; Clause 3.3.3.3 (h)(2)</p>	<p>13 May 2019</p>	<p>31 May 2023</p>	<p>Continuous Uninterrupted Operation</p> <p><i>Modified performance requirements for active power recovery after a system disturbance, reflecting realistic performance capability of the plant at present time.</i></p>

Exemption granted to:	Applicable clause(s)	Date granted	Date expiring	Exemption details
GRSF Trust (Greenough River Solar Farm)	Technical Rules 2016; Clause 3.3.3(h)(2)	2 Jul 2019	2 Jul 2023	Continuous Uninterrupted Operation <i>Modified performance requirements for active power recovery after a system disturbance, reflecting realistic performance capability of the plant at present time.</i>
Badgingarra Wind Farm (Wind Portfolio Pty Ltd)	Technical Rules 2016; Clause 3.3.4.5(g)	24 Jul 2019	31 July 2023	Voltage Control System <i>Exemption allows variation of voltage/reactive power control system to allow sufficient time for user to investigate full compliance to this clause.</i>
Southern Seawater Joint Venture	Technical Rules 2016; Clause 3.3	14 Nov 2019	Ongoing	Requirements for connection of Generating Units <i>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.</i>
Department of Defence – HMAS Stirling Naval Base	Technical Rules 2016; Clause 3.6.10.1 (a)	20 Jun 2019	Ongoing	Protection (location) <i>Modified requirement for all protection functions equipment specified in 3.6.10 to be located as close as practicable to the connection point.</i>
Department of Defence – HMAS Stirling Naval Base	Technical Rules 2016; Clause 3.6.10.3 (c)	20 Jun 2019	Ongoing	Islanding Protection <i>Duplicated islanding protection schemes share same CT/VT secondary windings on the basis that approved failsafe protection has been implemented</i>

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Yandin Wind Farm Pty Ltd	Technical Rules 2016; Clause 3.3.4.4(f)(2)	19 Nov 2019	12 July 2023	Frequency Control <i>Modified performance requirements for Rate of response reflecting realistic performance capability of the plant at present time.</i>
Southern Seawater Joint Venture	Technical Rules 2016; Clause 3.6.10.1(a) 3.6.10.1(d) 3.6.10.1(g)	1 Sep 2020	Ongoing	Protection (General) <i>100kVA of non-synchronous generation connected at a 132kV transmission connected connection point using modified protection requirements.</i>
CSIRO (Waterford)	Technical Rules 2016; Clause 3.6.10.1(a) 3.6.10.1(g)	6 Apr 2021	1 Nov 2024	Protection (General) <i>Modified protection requirements at a MV Distribution connection point to allow the installation of protection functions away from the connection point at secondary voltage (LV).</i>
CSIRO (Kensington)	Technical Rules 2016; Clause 3.6.10.1(a) 3.6.10.1(g)	6 Apr 2021	1 Nov 2024	Protection (General) <i>Modified protection requirements at a MV Distribution connection point to allow the installation of protection functions away from the connection point at secondary voltage (LV).</i>

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Water Corporation (Shenton Park)	Technical Rules 2016; Clause 3.6.10.1(a) 3.6.10.1(g)	9 Apr 2021	1 Nov 2024	Protection (General) <i>Modified protection requirements at a MV Distribution connection point to allow the installation of protection functions away from the connection point at secondary voltage (LV).</i>
CSBP Limited	Technical Rules 2016; Clause 3.3.3.1(c)(1)(B)	20 Apr 2021	20 Apr 2023	Reactive Power Capability <i>Modified performance requirements for Reactive Power Capability reflecting realistic performance capability of the plant at present time.</i>
CSBP Limited	Technical Rules 2016; Clause 3.3.4.5(d)	20 Apr 2021	20 Apr 2023	Voltage Control System <i>Modified performance requirements for Voltage Control System reflecting realistic performance capability of the plant at present time.</i>
CSBP Limited	Technical Rules 2016; Clause 3.3.4.4(d), 3.3.4.4(f)(2)	20 Apr 2021	20 Apr 2023	Frequency Control <i>Modified performance requirements for Frequency Control reflecting realistic performance capability of the plant at present time.</i>
Yandin Wind Farm Pty Ltd	Technical Rules 2016; Clause 3.3.1(d)	04 Apr 2021	20 Apr 2023	General Requirements <i>Modified frequency stability requirements reflecting capability of the plant at present time.</i>

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Mineral Resources Pty Ltd	Technical Rules 2016; Clause 3.6.10.1(a) 3.6.10.1(g)	1 Jun 2021	1 Jun 2023	Protection (General) <i>Modified protection requirements at a MV Distribution connection point to allow the installation of protection functions away from the connection point at secondary voltage (LV).</i>
Merredin Solar Farm	Technical Rules 2016; 3.3.4.5(g)	20 Jul 2021	29 Jul 2023	Voltage Control System <i>Modified performance requirements for Voltage Control System reflecting realistic performance capability of the plant at present time.</i>
Merredin Solar Farm	Technical Rules 2016; 3.3.4.4(f)(2)	10 Aug 2021	10 Aug 2023	Frequency Control <i>Modified performance requirements for Frequency Control reflecting realistic performance capability of the plant at present time.</i>
Stockland Property Management Pty Ltd	Technical Rules 2016; Clause 3.6.10.1(a) 3.6.10.1(g)	2 Aug 2021	11 Apr 2023	Protection (General) <i>Modified protection requirements at a MV Distribution connection point to allow the installation of protection functions away from the connection point at secondary voltage (LV).</i>
Water Corporation (Mirrabooka)	Technical Rules 2016; Clause 3.6.10.1(a) 3.6.10.1(g)	19 Aug 2021	1 Jun 2023	Protection (General) <i>Modified protection requirements at a MV Distribution connection point to allow the installation of protection functions away from the connection point at secondary voltage (LV).</i>

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Schlumberger Australia Pty Ltd	Technical Rules 2016; Clause 3.6.10.1(a) 3.6.10.1(g)	23 Sep 2021	31 Mar 2023	Protection (General) <i>Modified protection requirements at a MV Distribution connection point to allow the installation of protection functions away from the connection point at secondary voltage (LV).</i>
Legion Energy Pty Ltd as trustee for Legion Energy Trust	Technical Rules 2016; Clause 3.6.10.1(a) 3.6.10.1(g)	25 Oct 2021	1 Apr 2023	Protection (General) <i>Modified protection requirements at a MV Distribution connection point to allow the installation of protection functions away from the connection point at secondary voltage (LV).</i>
Carousel Glass Pty Ltd	Technical Rules 2016; Clause 3.6.10.1(a) 3.6.10.1(g)	10 Dec 2021	1 Nov 2024	Protection (General) <i>Modified protection requirements at a MV Distribution connection point to allow the installation of protection functions away from the connection point at secondary voltage (LV).</i>
First Mode Pty Ltd	Technical Rules 2016; Clause 3.6.7.2(a) 3.6.10.1(g)	8 Apr 2022	Ongoing	Main Switch, Protection (General) <i>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.</i>

Exemption granted to:	Applicable clause(s)	Date granted	Date expiring	Exemption details
Stockland Property Management Pty Ltd	Technical Rules 2016; Clause 3.6.7.2(a)	13 Apr 2022	Ongoing	Customer Main Switch Provision for embedded generation with multiple switches. Does not waive <i>connection point</i> aggregate requirements.
NEXTDC Limited	Technical Rules 2016; Clause 3.6.10.1(a)	28 Apr 2022	Ongoing	Protection (General) <i>Modified requirement for location of installed protection at HV connection point to install protection away from connection point but still at nominal voltage.</i>
Public Transport Authority of Western Australia	Technical Rules 2016; Clause 3.4.8(e)	16 Jun 2022	30 June 2024	Design Requirements for Consumers' Substations <i>Modified requirement to allow customer's substation earthing grid to be bonded to Network Operator's earthing grid</i>
AER Retail Pty Ltd	Technical Rules 2016; Clause 3.6.10.1(a)	27 Jun 2022	Ongoing	Protection (General) <i>Modified protection requirements at a MV Distribution connection point to allow the installation of some protection functions away from the connection point at secondary voltage (LV).</i>
Water Corporation	Technical Rules 2016; Clause 3.7.1(a)	6 Jul 2022	Ongoing	Scope <i>Modified requirement to allow 30kVA of PV generation to be installed at HV site using chapter 3.7 LV requirements</i>

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Schlumberger Australia Pty Ltd	Technical Rules 2016; Clause 3.6.7.2(a)	6 Jul 2022	Ongoing	Main Switch <i>HV Connection point - Alternative arrangements comprising of 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</i>
City of Busselton	Technical Rules 2016; Clause 3.7.1(a)	6 Jul 2022	Ongoing	Scope <i>Modified requirement to allow 30kVA of PV generation to be installed at HV site using chapter 3.7 LV requirements</i>
Stockland Property Management Pty Ltd	Technical Rules 2016; Clause 3.6.10.1(a) 3.6.10.1(g)	7 Jul 2022	31 Jul 2024	Protection (General) <i>Modified protection requirements at a MV Distribution connection point to allow the installation of protection functions away from the connection point at secondary voltage (LV).</i>
Shopping Centres Australasia Property Retail Trust (Kwinana 1)	Technical Rules 2016; Clause 3.6.10.1(a) 3.6.10.1(g)	2 Aug 2022	31 Jul 2024	Protection (General) <i>Modified protection requirements at a MV Distribution connection point to allow the installation of protection functions away from the connection point at secondary voltage (LV).</i>
Shopping Centres Australasia Property Retail Trust (Kwinana 2)	Technical Rules 2016; Clause 3.6.10.1(a) 3.6.10.1(g)	2 Aug 2022	31 Jul 2024	Protection (General) <i>Modified protection requirements at a MV Distribution connection point to allow the installation of protection functions away from the connection point at secondary voltage (LV).</i>

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Blair Fox Pty Ltd (Waslee Downs)	Technical Rules 2016; Clause 3.3.3.3(c)(1)	3 Aug 2022	Ongoing	Immunity to Voltage Excursions <i>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.</i>
Blair Fox Pty Ltd (Waslee Downs)	Technical Rules 2016; Clause 3.3.3.3(e)	3 Aug 2022	Ongoing	Immunity to High Speed Auto Reclosing <i>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.</i>
Blair Fox Pty Ltd (Waslee Downs)	Technical Rules 2016; Clause 3.3.3.3(h)(2)	3 Aug 2022	Ongoing	Continuous Uninterrupted Operation <i>Modified performance requirements for active power recovery after a system disturbance, reflecting realistic performance capability of the plant at present time.</i>
Water Corporation	Technical Rules 2016; Clause 3.7.1(a)	18 Aug 2022	Ongoing	Scope <i>Modified requirement to allow 30kVA of PV generation to be installed at HV site using chapter 3.7 LV requirements</i>
Advantage Air	Technical Rules 2016; Clause 3.6.7.2(a)	17 Oct 2022	Ongoing	Main Switch <i>HV Connection point - Alternative arrangements comprising of 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</i>

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RAAFA (WA Division) Inc (Bull Creek)	Technical Rules 2016; Clause 3.6.10.1(a) 3.6.10.1(g)	21 Oct 2022	24 Oct 2024	Protection (General) <i>Modified protection requirements at a MV Distribution connection point to allow the installation of protection functions away from the connection point at secondary voltage (LV).</i>
RAAFA (WA Division) Inc (Meadow Springs)	Technical Rules 2016; Clause 3.6.10.1(a) 3.6.10.1(g)	4 Nov 2022	4 Nov 2024	Protection (General) <i>Modified protection requirements at a MV Distribution connection point to allow the installation of protection functions away from the connection point at secondary voltage (LV).</i>
RAAFA (WA Division) Inc (Merriwa)	Technical Rules 2016; Clause 3.6.10.1(a) 3.6.10.1(g)	4 Nov 2022	4 Nov 2024	Protection (General) <i>Modified protection requirements at a MV Distribution connection point to allow the installation of protection functions away from the connection point at secondary voltage (LV).</i>
Shopping Centres Australasia Property Organisation Pty Ltd (SCA Kwinana 1)	Technical Rules 2016; Clause 3.6.7.2(a)	16 Nov 2022	Ongoing	Main Switch <i>HV Connection point - Alternative arrangements comprising of 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</i>

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Shopping Centres Australasia Property Organisation Pty Ltd (SCA Kwinana 2)	Technical Rules 2016; Clause 3.6.7.2(a)	16 Nov 2022	Ongoing	Main Switch <i>HV Connection point - Alternative arrangements comprising of 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</i>
Shopping Centres Australasia Property Organisation Pty Ltd (SCA Currambine)	Technical Rules 2016; Clause 3.6.7.2(a)	24 Nov 2022	Ongoing	Main Switch <i>HV Connection point - Alternative arrangements comprising of 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</i>
Blair Fox Pty Ltd (Waslee Downs)	Technical Rules 2016; Clause 3.3.4.4(f)(2)	1 Dec 2022	Ongoing	Frequency Control <i>Modified performance requirements for Frequency Control reflecting realistic performance capability of the plant at present time.</i>
Blair Fox Pty Ltd (Waslee Downs)	Technical Rules 2016; Clause 3.3.4.5(g)	1 Dec 2022	Ongoing	Voltage Control System <i>Modified performance requirements for Voltage Control System reflecting realistic performance capability of the plant at present time.</i>

Exemptions that have been granted to connections that are still under development (as at 31 December 2022)

Exemption granted to:	Applicable clause(s)	Date granted	Date expiring	Exemption details
Talison Lithium Australia	Technical Rules 2016; Clause 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.

Time-limited Exemptions granted to support generators participating in AEMO's 2022 Supplementary Reserve Capacity (SRC) process (as at 31 January 2023)

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	<i>Oscillatory Rotor Angle Stability</i> No modified requirements applied
Alinta_Wagerup	Technical Rules 2016; Clause 3.3.3.3(c)	23 December 2022	Expires 12 weeks after the commencement of the SRC contract	<i>Immunity to voltage excursions</i> 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	<i>Steady state power frequency voltage</i> 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	<i>Immunity to high speed auto reclosing</i> 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	<i>Oscillatory rotor angle stability</i> 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	<i>Reactive power capability</i> 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	<i>Immunity to voltage excursions</i> No modified requirements applied

Exemption granted to:	Applicable clause(s)	Date granted	Date expiring	Exemption details
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	<i>Post fault active power recovery</i> No modified requirements applied

Exemptions that have expired or are no longer required

- ***Retired** – The original exemption has expired and there is no new exemption. The non-compliance is no longer present.
- ***Expired** – The original exemption has expired, the status of the non-compliance is unknown.
- ***Under review** – The original exemption has expired, the status of the non-compliance is being investigated or negotiations are under way regarding resolution.

Exemption granted to:	Applicable clause(s)	Exemption granted	Exemption expiring	Exemption details	Status
Inverter connected generation units 30 kVA to 150 kVA	Technical Rules 2011; Clause 2.9.2 (b)	23 Jan 2013	Ongoing	<i>Duplication of protection</i> 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. <i>Number of Exemptions (to 31-Aug-2017): 211</i>	Retired
Bluewaters Power Station Unit 1 & Unit 2	Technical Rules 2007; Clause 3.3.4.4 (b)	17 Sep 2013	8 Dec 2015	<i>Primary frequency control</i> Temporary exemption to complete repairs. Reasonable repair time frame agreed to suit both parties in order to bring the Units back into compliance.	Retired
Alinta Cogeneration Pinjarra Power Station Unit 1 & Unit 2	Technical Rules 2011; Clause 3.3.4.4	20 Jan 2014	31 Mar 2015	<i>Primary frequency control</i> 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.	Under review

Exemption granted to:	Applicable clause(s)	Exemption granted	Exemption expiring	Exemption details	Status
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.	Retired
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.	Retired
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.	Retired
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.	Retired

Exemption granted to:	Applicable clause(s)	Exemption granted	Exemption expiring	Exemption details	Status
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	Retired
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.	Retired
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	Retired
NewGen Power Station Kwinana	Technical Rules 2011; Clause 3.3.3.3 (d)	17 Jun 2016	30 Jun 2022	Rate of change of frequency (RoCoF) Amended requirements reflect realistic performance capability of plant.	Under Review

Exemption granted to:	Applicable clause(s)	Exemption granted	Exemption expiring	Exemption details	Status
Bluewaters Power Station Unit 1 & Unit 2	Technical Rules 2011; Clause 3.3.4.4	06 Jul 2016	31 Dec 2021	Frequency Control Modified performance requirements are applicable to the installation for Dead band (clause 3.3.4.4 (d)), Control range (clause 3.3.4.4 (e)(1)(D)) and Rate of response (clause 3.3.4.4 (f)(1)), with parameters reflecting realistic performance capability of the plant.	Expired
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.	Retired
Public Transport Authority: Nowergup railway substation	Technical Rules 2016; Clause 3.4.7 (a)	23 Aug 2017	31 Dec 2019	Power factor requirements Modified power factor requirements for this connection point apply.	Under Review
NewGen Power Station Kwinana	Technical Rules 2011; Clause 3.3.4.5 (f) Table 3.1	16 Aug 2017	30 Jun 2022	Voltage control system Amended settling requirements reflect proven plant performance capability.	Under Review

Exemption granted to:	Applicable clause(s)	Exemption granted	Exemption expiring	Exemption details	Status
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.	Retired
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.	Retired
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.	Retired
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 <i>active power</i> output performance limits have been adjusted to reflect realistic performance capability of the installation.	Retired
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.	Retired

Exemption granted to:	Applicable clause(s)	Exemption granted	Exemption expiring	Exemption details	Status
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.	Retired
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.	Retired
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.	Retired
Blair Fox Pty Ltd	Technical Rules 2016; Clause 3.3.3.3 (c)(1)	13 May 2019	31 Sep 2022	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.	Under Review

Exemption granted to:	Applicable clause(s)	Exemption granted	Exemption expiring	Exemption details	Status
Blair Fox Pty Ltd	Technical Rules 2016; Clause 3.3.3.3 (e)	13 May 2019	31 Sep 2022	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.	Under Review
Blair Fox Pty Ltd	Technical Rules 2016; Clause 3.3.3.3 (h)(2)	13 May 2019	31 Sep 2022	Continuous Uninterrupted Operation Modified performance requirements for active power recovery after a system disturbance, reflecting realistic performance capability of the plant at present time.	Under Review
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.	Retired
Hadouken Pty Ltd	Technical Rules 2016; Clause 3.3.3.3 (h)(2)	10 Apr 2019	10 Apr 2021	Continuous Uninterrupted Operation Modified performance requirements for active power recovery after a system disturbance, reflecting realistic performance capability of the plant at present time. Facility still under development.	Expired

Exemption granted to:	Applicable clause(s)	Exemption granted	Exemption expiring	Exemption details	Status
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.	Retired
Department of Defence – Geraldton	Technical Rules 2016; Clause 3.6.10.1 (a)	24 Jul 2019	24 Jul 2021	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.	Expired
Yandin Wind Farm Pty Ltd	Technical Rules 2016; Clause 3.3.3.1(c)(4)	3 Mar 2020	3 Mar 2022	Reactive Power Capability Modified requirements for the continuous supply of reactive power, reflecting realistic performance capability of the plant at present time.	Expired
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	Retired