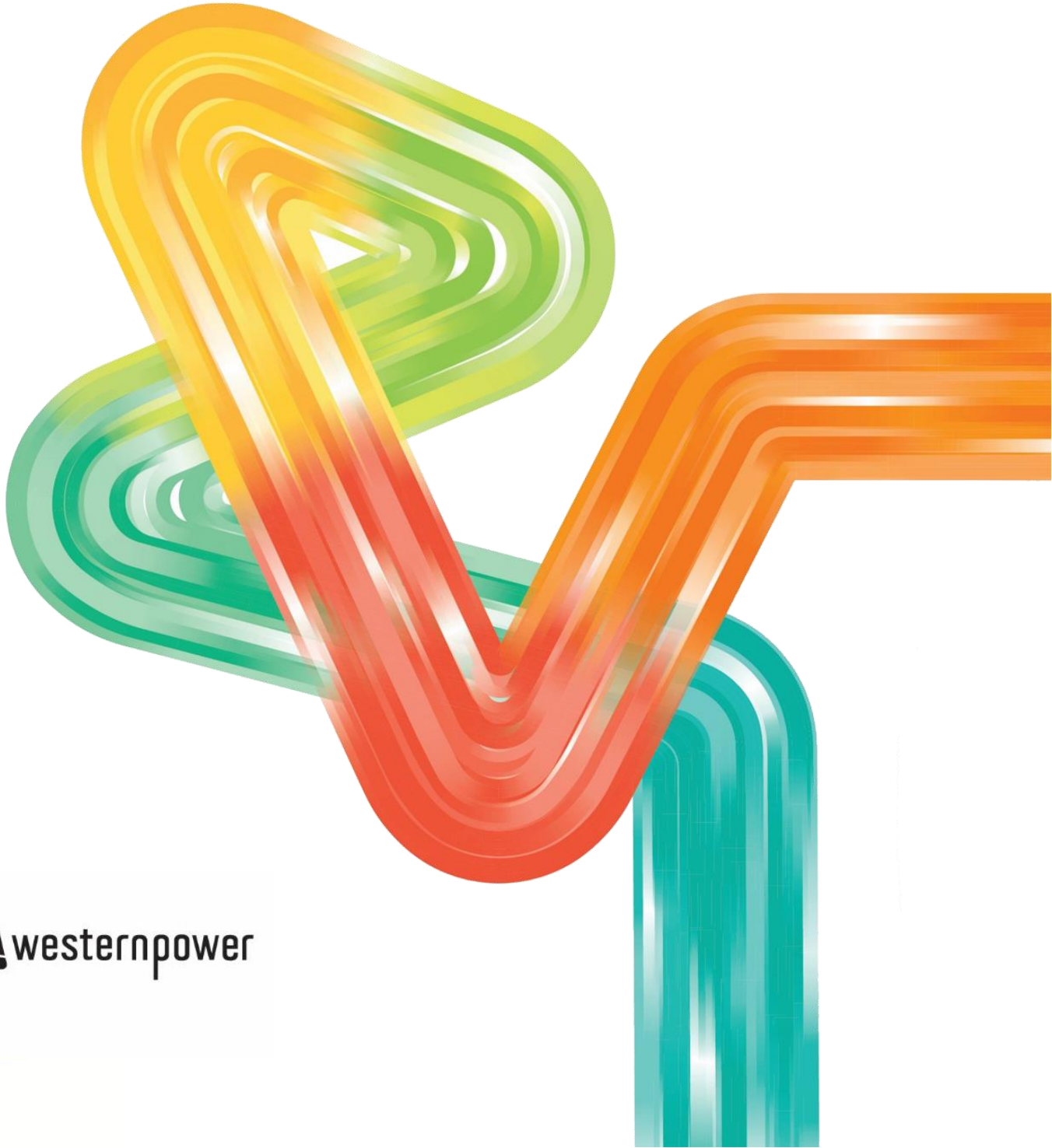
Technical Rules Customer Exemptions register

As at 31 December 2023

5 February 2024



westernpower

Contents

1. Active exemptions

1.1 Pre-2016

Table 1.1: Pre-2016 Technical Rules exemptions

Exemption granted to:	Technical Rules edition	Applicable clause	Date granted	Date expiring	Exemption details
Newgen Neerabup	TR 2007	3.3.3.1(a) Reactive Power Capability	16/01/2008	Ongoing	**Newgen Neerabup Unit 1 & Unit 2** Modified reactive power capability: 0.8 Lagging 101.3 MVAr 0.9 Leading 68.5 MVAr
Newgen Neerabup	TR 2007	3.3.3.3(b) Disturbance Response	16/01/2008	Ongoing	**Newgen Neerabup Unit 1** Modified off-nominal frequency capability: 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
Bluewaters Power Station	TR 2007	3.3.3.5 Ramping Rates	29/01/2008	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	TR 2007	3.3.3.10 De-Energisation of Generator Circuits	4/09/2009	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.
Collgar Wind Farm	TR 2007	2.2.10 Temporary Over Voltages	7/10/2009	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 Corporation (Harris Road)	TR 2007	3.3.1(c) General - Generator rating	10/06/2010	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.

Exemption granted to:	Technical Rules edition	Applicable clause	Date granted	Date expiring	Exemption details
Tesla Corporation (Leeming Road)	TR 2007	3.3.1(c) General - Generator rating	10/06/2010	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.
Tesla Corporation (Deepdale Road)	TR 2007	3.3.1(c) General - Generator rating	10/06/2010	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.
Tesla Corporation (Kemerton)	TR 2007	3.3.1(c) General - Generator rating	10/06/2010	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.
Verve Energy (Grasmere Wind Farm)	TR 2007	3.2.2 Main Switch	25/10/2010	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.
Bluewaters Power Station	TR 2007	3.3.3.1 Reactive Power Capability	24/08/2011		**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:	Technical Rules edition	Applicable clause	Date granted	Date expiring	Exemption details
Extension Hill Pty Ltd (EHPL)	TR 2011	3.2.2 Main Switch	23/02/2012	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)	TR 2011	3.2.2 Main Switch	18/04/2012	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 of WA	TR 2011	3.2.1(d)(2) Three Phase Connection	25/09/2012	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.
Blair Fox Pty Ltd (West Hills)	TR 2011	2.9.2(b) Duplication of Protection	6/11/2012	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.
Blair Fox Pty Ltd (Anderson Wind Farm)	TR 2011	2.9.2(b) Duplication of Protection	6/11/2012	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 (Kwinana HEGT 200MW Power Station)	TR 2011	2.2.8(a) Damping Ratio	17/01/2013	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.

Exemption granted to:	Technical Rules edition	Applicable clause	Date granted	Date expiring	Exemption details
Verve Energy (Kwinana HEGT 200MW Power Station)	TR 2011	2.2.8(b) Damping Ratio for Small Disturbance	17/01/2013	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.
Verve Energy (Muja D)	TR 2011	2.2.8(a) Damping Ratio	17/01/2013	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.
Verve Energy (Muja D)	TR 2011	2.2.8(b) Damping Ratio for Small Disturbance	17/01/2013	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.
Verve Energy (Grasmere Wind Farm)	TR 2011	3.3.4.5(g) Voltage Control System	14/02/2013	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	TR 2011	3.3.3.3(h)(2) Continuous Uninterrupted Operation	21/06/2013	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.
Western Energy (Kwinana Donaldson Road Power Station)	TR 2011	2.2.8(a) Damping Ratio	23/12/2013	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.

Exemption granted to:	Technical Rules edition	Applicable clause	Date granted	Date expiring	Exemption details
Western Energy (Kwinana Donaldson Road Power Station)	TR 2011	2.2.8(b) Damping Ratio for Small Disturbance	23/12/2013	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	TR 2011	3.6.10.1(a) Protection Location	4/11/2014	Ongoing	**Protection (Location)** Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions downstream from the connection point.
Brockway DiCOM Shenton Park PPG	TR 2011	3.6.10.1(a) Protection Location	28/04/2015	Ongoing	**Protection (Location)** Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions downstream from the connection point.

1.2 Technical Rules (2016)

1.2.1 Requirements for Connection of Generating Units (Section 3.3)

Table 1.2: Large Generators (Section 3.3)

Exemption granted to:	Applicable clause:	Date granted	Date expiring	Exemption details
Merredin Solar Farm	3.3.3.3(h)(2) Continuous Uninterrupted Operation	16/04/2018	31/03/2024	**Frequency Control** Modified performance requirements for Frequency Control reflecting realistic performance capability of the plant at present time.
Emu Downs Solar Farm	3.3.3.3(h)(2) Continuous Uninterrupted Operation	12/09/2018	30/09/2024	**Continuous Uninterrupted Operation** The active power output performance limits have been adjusted to reflect realistic performance capability of the installation.
Alinta Wagerup	3.3.4.4(f)(1) Rate of Response	18/02/2019	30/09/2024	**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) Voltage Control System	18/02/2019	30/09/2024	**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
Alinta Wagerup	3.3.3.1(c)(1) Reactive Power Capability	18/02/2019	30/09/2024	**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) Continuous Uninterrupted Operation	13/05/2019	15/05/2024	**Continuous Uninterrupted Operation** Modified performance requirements for active power recovery after a system disturbance, reflecting realistic performance capability of the plant at present time.
CSBP Limited	3.3.3.1(c)(1)(B) Reactive Power Capability	20/04/2021	20/04/2024	**Reactive Power Capability** Modified performance requirements for Reactive Power Capability reflecting realistic performance capability of the plant at present time.
CSBP Limited	3.3.4.4(d) Frequency Control	20/04/2021	20/04/2024	**Frequency Control** Modified performance requirements for Frequency Control reflecting realistic performance capability of the plant at present time.
CSBP Limited	3.3.4.4(f)(2) Frequency Control	20/04/2021	20/04/2024	**Frequency Control** Modified performance requirements for Frequency Control reflecting realistic performance capability of the plant at present time.
CSBP Limited	3.3.4.5(d) Voltage Control System	20/04/2021	20/04/2024	**Voltage Control System** Modified performance requirements for Voltage Control System reflecting realistic performance capability of the plant at present time.
Blair Fox Pty Ltd (Beros Rd)	3.3.3.3(c)(1) Immunity to Voltage Excursions	21/01/2022	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 (Beros Rd)	3.3.3.3(e) Immunity to High-Speed Auto Reclosing	21/01/2022	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 (Beros Rd)	3.3.3.3(h)(2) Continuous Uninterrupted Operation	21/01/2022	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)	3.3.3.3(c)(1) Immunity to Voltage Excursions	3/08/2022	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) Immunity to High-Speed Auto Reclosing	3/08/2022	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) Continuous Uninterrupted Operation	3/08/2022	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) Rate of Response	1/12/2022	1/12/2024	**Frequency Control** Modified performance requirements for Frequency Control reflecting realistic performance capability of the plant at present time.
Blair Fox Pty Ltd (Waslee Downs)	3.3.4.5(g) Voltage Control System	1/12/2022	1/12/2024	**Voltage Control System** Modified performance requirements for Voltage Control System reflecting realistic performance capability of the plant at present time.

1.2.2 Supplementary Reserve Capacity

The following exemptions are time-limited and were granted to support generators participating in AEMO's 2022 Supplementary Reserve Capacity (SRC) process. Some of them have expired as of December 2023.

Table 1.3: Temporary exemptions for Supplementary Reserve Capacity

Exemption granted to:	Applicable clause(s)	Date granted	Date expiring	Exemption details
Alinta_Wagerup	2.2.8 Oscillatory Rotor Angle Stability	23/12/2022	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	3.3.3.3(c) Immunity to Voltage Excursions	23/12/2022	Expires 12 weeks after the commencement of the SRC contract	**Immunity to voltage excursions** No modified requirements applied
Newgen_Neerabup	2.2.2 Steady State Power Frequency Voltage	23/12/2022	Expires 12 weeks after the commencement of the SRC contract	**Steady state power frequency voltage** No modified requirements applied
Newgen_Neerabup	3.3.3.3(e) Immunity to High Speed Auto Reclosing	23/12/2022	Expires 12 weeks after the commencement of the SRC contract	**Immunity to high speed auto reclosing** No modified requirements applied
Newgen_Neerabup	2.2.8 Oscillatory Rotor Angle Stability	23/12/2022	Expires 12 weeks after the commencement of the SRC contract	**Oscillatory rotor angle stability** No modified requirements applied
Synergy_Kwinana HEGT	3.3.3.1 Reactive Power Capability	23/12/2022	Expires 12 weeks after the commencement of the SRC contract	**Reactive power capability** No modified requirements applied
Synergy_Kwinana HEGT	3.3.3.3 (c) Immunity to Voltage Excursions	23/12/2022	Expires 12 weeks after the commencement of the SRC contract	**Immunity to voltage excursions** No modified requirements applied
Synergy_Kwinana HEGT	3.3.3.3 (h)(2) Continuous Uninterrupted Operation	23/12/2022	Expires 12 weeks after the commencement of the SRC contract	**Post fault active power recovery** No modified requirements applied
Synergy_Kwinana HEGT	3.3.3.3(c) Immunity to Voltage Excursions	01/12/2023	01/05/2024	**Immunity to voltage excursions** Requirement modified to reflect achievable performance of the generator.
NewGen Neerabup Partnership	3.3.3.1(c)(1) Reactive Power	01/12/2023	01/05/2024	**Immunity to voltage excursions** Requirement modified to reflect achievable performance of the generator.
NewGen Neerabup Partnership	3.2.1(a) Power System Performance Standards	01/12/2023	01/05/2024	**Power System Performance Standards** Requirement modified to reflect achievable performance of the generator.

1.2.3 Requirements for All Users and for Connection of Loads (Section 3.2, 3.4)

The exemption in this section relate primarily to connection of loads.

Table 1.4: Requirements for All Users and for Connection of 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)	16/6/2022	30/6/2024	**Design Requirements for Consumers' Substations** Modified requirement to allow customer's substation earthing grid to be bonded to Network Operator's earthing grid
Public Transport Authority of Western Australia (Beckenham)	3.4.8(e)	16/6/2022	30/6/2024	**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)	3/10/2019	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.

Table 1.5: Loads sub-register

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)	23/8/2017	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 31 December 2023): 4

1.2.4 Small generating units connected to the Distribution Network (Section 3.6)

Table 1.6: Small generating units connected to the Distribution Network (Section 3.6)

Exemption granted to:	Applicable clause(s)	Date granted	Date expiring	Exemption details
Department of Parks and Wildlife	3.6.10.1(g) Neutral Voltage Displacement	2/12/2016	Ongoing	**Protection (General)** The installation is exempt from Rules clause 3.6.10.1(g) requirements for neutral voltage displacement (NVD) protection for earth faults on the distribution and transmission system and sensitive earth fault (SEF) protection.
Department of Parks and Wildlife	3.6.10.1(d) Protection Duplication	2/12/2016	Ongoing	**Protection (General)** When connecting eligible inverters to the distribution system in combination with one IEC 60255 compliant external generator protection relay in accordance with applicable requirements of cl. 3.6.10, the installation is exempt from the requirement for duplicated protection to be provided at the network connection point.
Inmarsat Solutions BV	3.6.2(c)(2) Categorisation of Facilities	8/08/2017	1/07/2027	**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	3.6.10.1(g) Neutral Voltage Displacement	1/10/2017	Ongoing	**Protection (General)** Modified customer protection requirements to accommodate specific equipment installed. There is no adverse impact on other Users or the network.
Department of Defense - HMAS Stirling	3.6.10.3(c) Islanding Protection	16/07/2018	Ongoing	**Islanding Protection Duplicated islanding** protection schemes share same CT/VT secondary windings on the basis that approved failsafe protection has been implemented
Department of Defense - HMAS Stirling	3.6.10.1(a) Protection Location	20/06/2019	Ongoing	**Protection (Location)** Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions downstream from the connection point.
Southern Seawater Joint Venture	3.6 Requirements for Connection of Small Generating Units to The Distribution Network	14/11/2019	Ongoing	**Scope** 100kVA of non-synchronous generation connected at a 132kV transmission connected connection point using modified protection requirements.
Southern Seawater Joint Venture	3.6.10.1(a) Protection Location	14/11/2019	Ongoing	**Protection (Location)** Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions downstream from the connection point."

Southern Seawater Joint Venture	3.6.10.1(d) Protection Duplication	14/11/2019	Ongoing	**Protection (General)** When connecting eligible inverters to the distribution system in combination with one IEC 60255 compliant external generator protection relay in accordance with applicable requirements of cl. 3.6.10, the installation is exempt from the requirement for duplicated protection to be provided at the network connection point."
Southern Seawater Joint Venture	3.6.10.1(g) Neutral Voltage Displacement	14/11/2019	Ongoing	**Protection (General)** The installation is exempt from Rules clause 3.6.10.1(g) requirements for neutral voltage displacement (NVD) protection for earth faults on the distribution and transmission system and sensitive earth fault (SEF) protection."
CSIRO Waterford	3.6.10.1(d) Protection Duplication	7/04/2020	Ongoing	**Protection (General)** When connecting eligible inverters to the distribution system in combination with one IEC 60255 compliant external generator protection relay in accordance with applicable requirements of cl. 3.6.10, the installation is exempt from the requirement for duplicated protection to be provided at the network connection point.
CSIRO Kensington	3.6.7.2(a) Main Switch	5/05/2020	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
CSIRO Kensington	3.6.10.1(d) Protection Duplication	6/07/2020	Ongoing	**Protection (General)** When connecting eligible inverters to the distribution system in combination with one IEC 60255 compliant external generator protection relay in accordance with applicable requirements of cl. 3.6.10, the installation is exempt from the requirement for duplicated protection to be provided at the network connection point.
CSIRO Waterford	3.6.10.1(a) Protection Location	6/04/2021	1/11/2024	**Protection (Location)** Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions downstream from the connection point.
CSIRO Kensington	3.6.10.1(a) Protection Location	6/04/2021	1/11/2024	**Protection (Location)** Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions downstream from the connection point.

CSIRO Waterford	3.6.10.1(g) Neutral Voltage Displacement	6/04/2021	1/11/2024	**Protection (General)** The installation is exempt from Rules clause 3.6.10.1(g) requirements for neutral voltage displacement (NVD) protection for earth faults on the distribution and transmission system and sensitive earth fault (SEF) protection.
CSIRO Kensington	3.6.10.1(g) Neutral Voltage Displacement	6/04/2021	1/11/2024	**Protection (General)** The installation is exempt from Rules clause 3.6.10.1(g) requirements for neutral voltage displacement (NVD) protection for earth faults on the distribution and transmission system and sensitive earth fault (SEF) protection.
Water Corporation (Shenton Park)	3.6.10.1(g) Neutral Voltage Displacement	9/04/2021	1/11/2024	**Protection (General)** The installation is exempt from Rules clause 3.6.10.1(g) requirements for neutral voltage displacement (NVD) protection for earth faults on the distribution and transmission system and sensitive earth fault (SEF) protection.
Water Corporation (Shenton Park)	3.6.10.1(a) Protection Location	9/04/2021	1/11/2024	**Protection (Location)** Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions downstream from the connection point.
Mineral Resources Pty Ltd	3.6.10.1(a) Protection Location	1/06/2021	8/08/2025	**Protection (Location)** Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions downstream from the connection point.
Mineral Resources Pty Ltd	3.6.10.1(g) Neutral Voltage Displacement	1/06/2021	8/08/2025	**Protection (General)** The installation is exempt from Rules clause 3.6.10.1(g) requirements for neutral voltage displacement (NVD) protection for earth faults on the distribution and transmission system and sensitive earth fault (SEF) protection.
Stockland Property Management Pty Ltd	3.6.10.1(g) Neutral Voltage Displacement	2/08/2021	11/04/2025	**Protection (General)** The installation is exempt from Rules clause 3.6.10.1(g) requirements for neutral voltage displacement (NVD) protection for earth faults on the distribution and transmission system and sensitive earth fault (SEF) protection.
Stockland Property Management Pty Ltd	3.6.10.1(a) Protection Location	2/08/2021	11/04/2025	**Protection (Location)** Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions downstream from the connection point.
Water Corporation (Mirrabooka)	3.6.10.1(g) Neutral Voltage Displacement	19/08/2021	8/08/2025	**Protection (General)** The installation is exempt from Rules clause 3.6.10.1(g) requirements for neutral voltage displacement (NVD) protection for earth faults on the distribution and transmission system and sensitive earth fault (SEF) protection.

Water Corporation (Mirrabooka)	3.6.10.1(a) Protection Location	19/08/2021	8/08/2025	**Protection (Location)** Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions downstream from the connection point.
Schlumberger Australia Pty Ltd	3.6.10.1(a) Protection Location	23/09/2021	31/03/2025	**Protection (Location)** Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions downstream from the connection point.
Schlumberger Australia Pty Ltd	3.6.10.1(g) Neutral Voltage Displacement	23/09/2021	31/03/2025	**Protection (General)** The installation is exempt from Rules clause 3.6.10.1(g) requirements for neutral voltage displacement (NVD) protection for earth faults on the distribution and transmission system and sensitive earth fault (SEF) protection.
Legion Energy Pty Ltd As Trustee for Legion Energy Trust	3.6.10.1(a) Protection Location	25/10/2021	1/04/2025	**Protection (Location)** Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions downstream from the connection point.
Legion Energy Pty Ltd As Trustee for Legion Energy Trust	3.6.10.1(g) Neutral Voltage Displacement	25/10/2021	1/04/2025	**Protection (General)** The installation is exempt from Rules clause 3.6.10.1(g) requirements for neutral voltage displacement (NVD) protection for earth faults on the distribution and transmission system and sensitive earth fault (SEF) protection.
Carousel Glass Pty Ltd	3.6.10.1(g) Neutral Voltage Displacement	10/12/2021	1/11/2024	**Protection (General)** The installation is exempt from Rules clause 3.6.10.1(g) requirements for neutral voltage displacement (NVD) protection for earth faults on the distribution and transmission system and sensitive earth fault (SEF) protection.
Carousel Glass Pty Ltd	3.6.10.1(a) Protection Location	10/12/2021	1/11/2024	**Protection (Location)** Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions downstream from the connection point.
Legion Energy Pty Ltd	3.6.10.1(d) Protection Duplication	3/03/2022	Ongoing	**Protection (General)** When connecting eligible inverters to the distribution system in combination with one IEC 60255 compliant external generator protection relay in accordance with applicable requirements of cl. 3.6.10, the installation is exempt from the requirement for duplicated protection to be provided at the network connection point.

First Mode Pty Ltd	3.6.7.2(a) Main Switch	8/04/2022	Ongoing	**Main Switch** Modified requirements for Customer main switch to accommodate specific equipment installed. There is no adverse impact on other Users or the network.
First Mode Pty Ltd	3.6.10.1(g) Neutral Voltage Displacement	8/04/2022	Ongoing	**Protection (General)** Modified requirements for Customer 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) Main Switch	13/04/2022	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
NEXTDC Limited	3.6.10.1(a) Protection Location	28/04/2022	Ongoing	**Protection (Location)** Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions downstream from the connection point.
Advantage Air Australia Pty Ltd	3.6.10.1(a) Protection Location	17/05/2022	1/06/2024	**Protection (Location)** Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions downstream from the connection point.
Advantage Air Australia Pty Ltd	3.6.10.1(g) Neutral Voltage Displacement	17/05/2022	1/06/2024	**Protection (General)** The installation is exempt from Rules clause 3.6.10.1(g) requirements for neutral voltage displacement (NVD) protection for earth faults on the distribution and transmission system and sensitive earth fault (SEF) protection.
AER Retail Pty Ltd	3.6.10.1(a) Protection Location	27/06/2022	Ongoing	**Protection (Location)** Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions downstream from the connection point.
Schlumberger Australia Pty Ltd	3.6.7.2(a) Main Switch	6/07/2022	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(g) Neutral Voltage Displacement	7/07/2022	31/07/2024	**Protection (General)** The installation is exempt from Rules clause 3.6.10.1(g) requirements for neutral voltage displacement (NVD) protection for earth faults on the distribution and transmission system and sensitive earth fault (SEF) protection.

Shopping Centres Australasia Property Retail Trust (Kwinana 1)	3.6.10.1(g) Neutral Voltage Displacement	2/08/2022	31/07/2024	**Protection (General)** The installation is exempt from Rules clause 3.6.10.1(g) requirements for neutral voltage displacement (NVD) protection for earth faults on the distribution and transmission system and sensitive earth fault (SEF) protection.
Shopping Centres Australasia Property Retail Trust (Kwinana 2)	3.6.10.1(g) Neutral Voltage Displacement	2/08/2022	31/07/2024	**Protection (General)** The installation is exempt from Rules clause 3.6.10.1(g) requirements for neutral voltage displacement (NVD) protection for earth faults on the distribution and transmission system and sensitive earth fault (SEF) protection.
Shopping Centres Australasia Property Retail Trust (Kwinana 1)	3.6.10.1(a) Protection Location	2/08/2022	31/07/2024	**Protection (Location)** Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions downstream from the connection point.
Shopping Centres Australasia Property Retail Trust (Kwinana 2)	3.6.10.1(a) Protection Location	2/08/2022	31/07/2024	**Protection (Location)** Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions downstream from the connection point.
Advantage Air	3.6.7.2(a) Main Switch	17/10/2022		**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) Protection Location	21/10/2022	24/10/2024	**Protection (Location)** Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions downstream from the connection point.
RAAFA (WA Division) Inc (Bull Creek)	3.6.10.1(g) Neutral Voltage Displacement	21/10/2022	24/10/2024	**Protection (General)** The installation is exempt from Rules clause 3.6.10.1(g) requirements for neutral voltage displacement (NVD) protection for earth faults on the distribution and transmission system and sensitive earth fault (SEF) protection.
RAAFA (WA Division) Inc (Meadow Springs)	3.6.10.1(g) Neutral Voltage Displacement	4/11/2022	4/11/2024	**Protection (General)** The installation is exempt from Rules clause 3.6.10.1(g) requirements for neutral voltage displacement (NVD) protection for earth faults on the distribution and transmission system and sensitive earth fault (SEF) protection.

RAAFA (WA Division) Inc (Meadow Springs)	3.6.10.1(a) Protection Location	4/11/2022	4/11/2024	**Protection (Location)** Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions downstream from the connection point.
RAAFA (WA Division) Inc (Merriwa)	3.6.10.1(a) Protection Location	4/11/2022	23/11/2025	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.
RAAFA (WA Division) Inc (Merriwa)	3.6.10.1(g) Neutral Voltage Displacement	4/11/2022	23/11/2025	Protection (General) The installation is exempt from Rules clause 3.6.10.1(g) requirements for neutral voltage displacement (NVD) protection for earth faults on the distribution and transmission system and sensitive earth fault (SEF) protection.
Shopping Centres Australasia Property Organisation Pty Ltd (SCA Kwinana Connection Point 1)	3.6.7.2(a) Main Switch	16/11/2022	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
Shopping Centres Australasia Property Organisation Pty Ltd (SCA Kwinana Connection Point 2)	3.6.7.2(a) Main Switch	16/11/2022	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
Shopping Centres Australasia Property Organisation Pty Ltd (SCA Currambine)	3.6.7.2(a) Main Switch	24/11/2022	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
Perth Markets Group Limited	3.6.7.2(a) Main Switch	24/01/2023	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

Fremantle Ports Authority	3.6.10.1(a) Protection Location	3/03/2023	1/04/2025	**Protection (Location)** Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions downstream from the connection point.
Fremantle Ports Authority	3.6.7.2(a) Main Switch	3/03/2023	1/04/2025	**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 (Riverton)	3.6.10.1(a) Protection Location	3/03/2023	1/04/2025	**Protection (Location)** Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions downstream from the connection point.
QE II Medical Centre	3.6.10.1(a) Protection Location	13/04/2023	13/04/2025	**Protection (Location)** Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions downstream from the connection point.
Fremantle Port Authority	3.6.10.1(d) Protection Duplication	15/06/2023	Ongoing	**Protection (General)** When connecting eligible inverters to the distribution system in combination with one IEC 60255 compliant external generator protection relay in accordance with applicable requirements of cl. 3.6.10, the installation is exempt from the requirement for duplicated protection to be provided at the network connection point.
ATCO Gas Australia Pty Ltd	3.6.10.1(a) Protection Location	22/06/2023	17/04/2025	**Protection (Location)** Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions downstream from the connection point.
ATCO Gas Australia Pty Ltd	3.6.7.2(a) Main Switch	22/06/2023	17/04/2025	**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
ATCO Gas Australia Pty Ltd	3.6.10.1(d) Protection Duplication	22/06/2023	17/04/2025	**Protection (General)** The requirement has been modified to allow a temporary connection in conjunction with duplicated protection relays.

RAAFA (WA Division) Inc (Bull Creek)	3.6.10.1(d) Protection Duplication	2/08/2023	Ongoing	**Protection (General)** When connecting eligible inverters to the distribution system in combination with one IEC 60255 compliant external generator protection relay in accordance with applicable requirements of cl. 3.6.10, the installation is exempt from the requirement for duplicated protection to be provided at the network connection point.
Curtin University	3.6.10.1(i) Reverse Power Protection	17/10/2023	Ongoing	**Protection (Export Limit)** The requirement has been modified to reflect the achievable performance of the protection relay.
Hamersley WA	3.6.1 Requirements For Connection Of Small Generating Units To The Distribution Network	18/10/2023	Ongoing	**Overview** The requirement has been modified to facilitate connection of a small PV system to the HV distribution network.
Perth Airport	3.6.10.1(a) Protection Location	25/10/2023	25/10/2025	**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.
QE II Medical Centre	3.6.10.1(g) Neutral Voltage Displacement	9/11/2023	13/04/2025	**Protection (General)** The installation is exempt from Rules clause 3.6.10.1(g) requirements for neutral voltage displacement (NVD) protection for earth faults on the distribution and transmission system and sensitive earth fault (SEF) protection.
Ausco Modular Pty Ltd	3.6.10.1(a) Protection Location	21/11/2023	21/11/2025	**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.
Ausco Modular Pty Ltd	3.6.10.1(g) Neutral Voltage Displacement	21/11/2023	21/11/2025	**Protection (General)** The installation is exempt from Rules clause 3.6.10.1(g) requirements for neutral voltage displacement (NVD) protection for earth faults on the distribution and transmission system and sensitive earth fault (SEF) protection.

1.2.5 Requirements For Connection Of Energy Systems To The Low Voltage Distribution System Via Inverters (Section 3.7)

Table 1.7: Requirements For Connection Of Energy Systems To The Low Voltage Distribution System Via Inverters (Section 3.7)

Exemption granted to:	Applicable clause(s)	Date granted	Date expiring	Exemption details
Water Corporation (Parklands)	3.7.1(a)	5/05/2023	Ongoing	**Scope** Modified requirement to allow 30kVA of PV generation to be installed at HV site using chapter 3.7 LV requirements
City of Busselton	3.7.1(a)	6/07/2022	Ongoing	**Scope** Modified requirement to allow 30kVA of PV generation to be installed at HV site using chapter 3.7 LV requirements
Water Corporation (East Rockingham)	3.7.1(a)	18/08/2022	Ongoing	**Scope** Modified requirement to allow 30kVA of PV generation to be installed at HV site using chapter 3.7 LV requirements
Keysbrook Leucoxene Abba River	3.7.1(a)	5/05/2023	Ongoing	**Scope** 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)	5/05/2023	Ongoing	**Scope** 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)	5/05/2023	Ongoing	**Scope** Modified requirement to allow 30kVA of PV generation to be installed at HV site using chapter 3.7 LV requirements
Hamersley WA	3.7.1(a)	18/10/2023	Ongoing	**Scope** 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.

Table 1.8: LV connected embedded generation sub-registers

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)	05/5/2019	Ongoing	**Protection** 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: The equivalent point is at a distribution board within the installation that connects the User's site load. The equivalent point is no more than one distribution board downstream from the site's main distribution board and connection point. The overcurrent protection at the equivalent point grades with the SPD and main switch(es). 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. An exemption application for each qualifying connection point is still required. A register of exemption recipients is maintained. **Number of Exemptions** (to 31 December 2023): 364
General Notification: Protection requirements for inverter systems between 30 kVA and 1 MVA	3.6.10.1 (d) 3.6.10.1 (g)	11/9/2017	Ongoing	**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. **Number of Exemptions 3.6.10.1(d)** (to 31 December 2023): 1144 **Number of Exemptions 3.6.10.1(g)** (to 31 December 2023): 1155

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	3.6	23/10/2017	Various	**All requirements** 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. A register of exemption recipients is maintained. **Number of Exemptions** (to 31 December 2023): 141
Multiple exemptions: Main Switch requirements for LV connected, <1MVA embedded generation	3.6.7.2 (a)	22/10/2018	Ongoing	**Customer Main Switch** Provision for embedded generation with multiple switches. Does not waive connection point aggregate requirements. An exemption application for each qualifying connection point is still required. A register of exemption recipients is maintained. **Number of Exemptions** (to 31 December 2023): 562

2. Expired exemptions

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.

Exemptions applicable to the performance of Existing Transmission Connected Generating Systems under the WEM Rules may be retired subject to GPS registration.

Table 2.1: Expired exemptions under review

To whom exemption was granted	Clause affected	Date of exemption	Expiry date	ERA Report exemption details
Emu Downs Wind Farm (EDWF Holdings 1 Pty Ltd & EDWF Holdings 2 Pty Ltd (APA Group))	3.3.3.1(c)(2) Reactive Power Capability	1/03/2017	30/06/2023	**Reactive Power Capability** Modified requirement reflects realistic performance capability of the plant.
Collgar Wind Farm	3.3.4.4(d) Frequency Control	6/09/2017	31/07/2023	**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.
EPM Pty Ltd	3.6.10.1(a) Protection Location	22/03/2019	22/06/2019	**Protection (Location)** Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions downstream from the connection point.
Wind Portfolio Pty Ltd (APA Group) (Badgingarra Wind Farm)	3.3.4.4(f)(2) Rate of Response	5/04/2019	20/07/2023	**Frequency Control** Modified performance requirements for Rate of response reflecting realistic performance capability of the plant at present time.
GRSF Trust (Greenough River Solar Farm)	3.3.3.3(h)(2) Continuous Uninterrupted Operation	1/07/2019	1/07/2023	**Continuous Uninterrupted Operation** Modified performance requirements for active power recovery after a system disturbance, reflecting realistic performance capability of the plant at present time.
Wind Portfolio Pty Ltd (APA Group) (Badgingarra Wind Farm)	3.3.4.5(g) Voltage Control System	24/07/2019	31/07/2023	**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.
Newgen Kwinana	3.3.4.5(f) Voltage Control System	8/06/2020	30/06/2022	**Voltage Control System** Modified voltage control system requirements reflecting capability of the plant at present time.

To whom exemption was granted	Clause affected	Date of exemption	Expiry date	ERA Report exemption details
Newgen Kwinana	3.3.3.3(d) Immunity to Rate-of-Change-of-Frequency:	8/06/2020	30/06/2022	**Immunity to High Speed Auto Reclosing** Modified requirements reflecting capability of the plant at present time.
Yandin Wind Farm Pty Ltd	3.3.1(d) General - Requirements for Connection of Generating Units	4/05/2021	31/05/2023	**General Requirements** Modified frequency stability requirements reflecting capability of the plant at present time.
Yandin Wind Farm Pty Ltd	3.3.4.4(f)(2) Rate of Response	19/07/2021	19/07/2023	**Frequency Control** Modified performance requirements for Rate of response reflecting realistic performance capability of the plant at present time.
Merredin Solar Farm	3.3.4.5(g) Voltage Control System	29/07/2021	29/07/2023	**Voltage Control System** Modified performance requirements for Voltage Control System reflecting realistic performance capability of the plant at present time.
Merredin Solar Farm	3.3.4.4(f)(2) Rate of Response	10/08/2021	10/08/2023	**Frequency Control Modified** The requirements have been modified to reflect the achievable performance of the wind farm.
Department of Finance	3.6.7.2(a) Main Switch	9/01/2023	16/09/2023	**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.

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. Some of these exemptions were granted for previous editions of the Technical Rules, the applicable edition has been noted in the table.

Table 3.1: Retired exemptions

To whom exemption was granted	Technical Rules edition	Clause affected	Date of exemption	Expiry date	ERA Report exemption details
Inverter connected generation units 30 kVA to 150 kVA	TR 2011	Clause 2.9.2 (b)	23/01/2013	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
Ferngrove Vineyards Ltd	TR 2011	3.6.10.1(g) Neutral Voltage Displacement	7/03/2013	31/12/2014	**Protection (general) and duplication of protection** Temporary exemption to allow for the installation of voltage transformer and NVD protection.
Ferngrove Vineyards Ltd	TR 2011	2.9.2 Duplication of Protection	7/03/2013	31/12/2014	**Protection (general) and duplication of protection** Temporary exemption to allow for the installation of voltage transformer and NVD protection.
Bluewaters Power Station	TR 2007	3.3.4.4 Frequency Control	17/09/2013	8/12/2015	**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.
Low voltage, inverter connected generator systems, rated between 30kVA and 150 kVA	TR 2011	Clause 3.6.10.1(g)	1/12/2014	31/08/2016	**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
Alinta Cogeneration Wagerup Power Station Unit 1 & Unit 2	TR 2011	3.3.4.4 Frequency Control	20/01/2014	31/12/2014	**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.

To whom exemption was granted	Technical Rules edition	Clause affected	Date of exemption	Expiry date	ERA Report exemption details
Mitchell Foods Pty Ltd	TR 2011	3.2.1(c)(3) Harmonics	29/04/2014	31/07/2014	**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.
Newgen Kwinana	TR 2011	3.3.4.4(d) Frequency Control	1/12/2014	30/06/2014	**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.
Carnegie Wave Energy Limited	TR 2011	3.6.10.1(a) Protection Location	2/01/2015	2/01/2016	**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.
Carnegie Wave Energy Limited	TR 2011	3.6.10.1(g) Neutral Voltage Displacement	2/01/2015	2/01/2016	**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.
Carnegie Wave Energy Limited	TR 2011	3.6.10.3(c) Islanding Protection	2/01/2015	2/01/2016	**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.
Newgen Neerabup	TR 2011	3.3.4.4(f)(1) Rate of Response	12/09/2016	31/10/2017	Frequency control Investigation into maximum 'rate of response' capability of plant.
Capricorn Society Limited	TR 2016	3.2.1(c)(1) Harmonics	20/03/2017	30/09/2017	**Harmonics** Temporary exemption to allow time for power quality issues to be addressed at identified location(s).
Department of Education	TR 2016	3.2.1(c)(1) Harmonics	21/03/2017	30/09/2017	**Harmonics** Temporary exemption to allow time for power quality issues to be addressed at identified location(s).

To whom exemption was granted	Technical Rules edition	Clause affected	Date of exemption	Expiry date	ERA Report exemption details
Department of Education	TR 2016	3.2.1(c)(1) Harmonics	21/03/2017	30/09/2017	**Harmonics** Temporary exemption to allow time for power quality issues to be addressed at identified location(s).
Department of Education	TR 2016	3.2.1(c)(1) Harmonics	21/03/2017	30/09/2017	**Harmonics** Temporary exemption to allow time for power quality issues to be addressed at identified location(s).
Department of Education	TR 2016	3.2.1(c)(1) Harmonics	21/03/2017	30/09/2017	**Harmonics** Temporary exemption to allow time for power quality issues to be addressed at identified location(s).
City of Canning	TR 2016	3.2.1(c)(1) Harmonics	21/03/2017	30/09/2017	**Harmonics** Temporary exemption to allow time for power quality issues to be addressed at identified location(s).
City of Canning	TR 2016	3.2.1(c)(1) Harmonics	21/03/2017	30/09/2017	**Harmonics** Temporary exemption to allow time for power quality issues to be addressed at identified location(s).
City of Canning	TR 2016	3.2.1(c)(1) Harmonics	21/03/2017	30/09/2017	**Harmonics** Temporary exemption to allow time for power quality issues to be addressed at identified location(s).
Top Nominees	TR 2016	3.2.1(c)(1) Harmonics	21/03/2017	30/09/2017	**Harmonics** Temporary exemption to allow time for power quality issues to be addressed at identified location(s).
Kambalda Recreation Centre	TR 2016	3.2.1(c)(1) Harmonics	21/03/2017	30/09/2017	**Harmonics** Temporary exemption to allow time for power quality issues to be addressed at identified location(s).
Margaret River Chocolate Factory	TR 2016	3.2.1(c)(1) Harmonics	21/03/2017	30/09/2017	**Harmonics** Temporary exemption to allow time for power quality issues to be addressed at identified location(s).
Moonies Hill Energy Pty Ltd (Flat Rocks Wind Farm)	TR 2016	3.3.4.4(f)(2) Rate of Response	16/08/2017	31/12/2019	**Frequency Control** Modified performance requirements for Frequency Control reflecting realistic performance capability of the plant at present time.

To whom exemption was granted	Technical Rules edition	Clause affected	Date of exemption	Expiry date	ERA Report exemption details
Windsor Knight Pty Ltd	TR 2016	A12.10.6 Harmonics and Flicker	17/01/2018	Ongoing	**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.
Landfill Gas & Power Pty Ltd	TR 2016	3.6.11 Intertripping	27/04/2018	31/10/2019	**Intertripping** A temporary change in performance requirements while a compliant solution is implemented.
Sun Brilliance Power Pty Ltd	TR 2016	3.3.3.3(h)(2) Continuous Uninterrupted Operation	30/04/2018	31/07/2022	**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	TR 2016	3.3.4.5(g) Voltage Control System	11/06/2018	31/12/2019	**Settling time** A temporary exemption allowing time for a compliant solution to be implemented.
Pearl Clean Energy Pty Ltd	TR 2016	3.7.3(d) Test inverter to AS4777 standard	15/08/2018	31/01/2019	**Relevant Standards** A temporary exemption allowing time for testing of an inverter type/make for suitability to intended purpose.
Alinta Cogeneration Wagerup Power Station Unit 1 & Unit 2	2016	3.3.3.5(a) Ramping Rates	1/10/2018	1/10/2019	**Ramping Rates** A temporary change in the required performance parameters while tests are under way to ascertain true capability of the plant. "
Warradarge Wind Farm	TR 2016	3.3.4.4(f)(2) Rate of Response	7/11/2018	31/12/2020	**Frequency Control Modified** performance requirements for Rate of response reflecting realistic performance capability of the plant at present time.
Warradarge Wind Farm	TR 2016	3.2.1(c)(1) Harmonics	10/10/2018	1/07/2022	**Harmonics** Validation of harmonic measurement data/report provided to ensure emission is within allocated limits.
Ng Family Trust	TR 2016	3.6.10.1(a) Protection Location	6/02/2019	6/08/2019	**Protection (Location)** Modified protection requirements at a HV Distribution connection point to allow the installation of protection functions downstream from the connection point.

To whom exemption was granted	Technical Rules edition	Clause affected	Date of exemption	Expiry date	ERA Report exemption details
Northam Solar Farm	TR 2016	3.3.3.1(a) Reactive Power Capability	13/05/2019	31/05/2021	**Reactive Power Capability** Requirements for the continuous supply of reactive power, reflecting realistic performance capability of the plant have been assessed and deemed compliant
Northam Solar Farm	TR 2016	3.3.3.1(c)(4) Reactive Power Capability	13/05/2019	31/05/2021	**Reactive Power Capability** Requirements for the continuous supply of reactive power, reflecting realistic performance capability of the plant have been assessed and deemed compliant
Vicinity Centres (Ellenbrook)	TR 2016	3.6.10.1(a) Protection Location	15/07/2019	15/07/2019	**Protection Exemption allows** variation of protection requirements to allow sufficient time for user to upgrade protection equipment at the connection point.
Vicinity Centres (Ellenbrook)	TR 2016	3.6.10.1(g) Neutral Voltage Displacement	15/07/2019	15/07/2019	**Protection Exemption allows** variation of protection requirements to allow sufficient time for user to upgrade protection equipment at the connection point.
Royal Perth Hospital	TR 2016	3.6.10.1(i) Reverse Power Protection	26/08/2021	31/12/2021	**Protection** Modified protection requirements for export limiting