

Appendix 1B: Service Classification Proposal

AusNet Electricity Services Pty Ltd

Electricity Distribution Price Review 2022-26

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About AusNet Services

AusNet Services is a major energy network business that owns and operates key regulated electricity transmission and electricity and gas distribution assets located in Victoria, Australia. These assets include:

- A 6,574 kilometre electricity transmission network that services all electricity consumers across Victoria;
- An electricity distribution network delivering electricity to approximately 680,000 customer connection points in an area of more than 80,000 square kilometres of eastern Victoria; and
- A gas distribution network delivering gas to approximately 572,000 customer supply points in an area of more than 60,000 square kilometres in central and western Victoria.

AusNet Services' purpose is 'to provide our customers with superior network and energy solutions.'

For more information visit: www.ausnetservices.com.au

Our AusNet Services Values are the foundation
for how we achieve our objectives



Contact

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Service Classification Proposal

AusNet Services proposes to adopt the Service Classification from the AER's Final Framework and Approach paper for the 2022-26 regulatory control period for Victoria.¹ Whilst this framework and approach paper refers to the regulatory period starting 1 January 2021, we do not consider the 6 month change in the regulatory control period impacts on the proposed service classifications. Our proposed Service classifications are shown in the table below.

Service group ²	Further description	Proposed classification 2022–26
Common distribution service - use of the distribution network for the conveyance/flow of electricity (including the services relating to network integrity)		
Common distribution service (formerly 'network services')	<p>The suite of activities that includes, but is not limited to, the following:</p> <ul style="list-style-type: none"> • the planning, design, repair, maintenance, construction, and operation of the distribution network • works to fix damage to the network (including recoverable works caused by a customer or third party) • support for another network during an emergency event • procurement and provision of network demand management activities for distribution or system reliability, efficiency or security purposes • activities related to 'shared asset facilitation' of distributor assets³ • emergency disconnect for safety reasons and work conducted to restore a failed component of the distribution system to an operational state upon investigating a customer outage • establishment and maintenance of National Metering Identifiers (NMI) in market and/or network billing systems, and other market and regulatory obligations • ongoing inspection of private electrical networks (not part of the shared network) required under legislation for safety reasons⁴ 	Standard control

¹ Final framework and approach AusNet Services, CitiPower, Jemena, Powercor and United Energy Regulatory control period commencing 1 January 2021 January 2019

² The examples and activities listed in the 'Further description' column are not intended to be an exhaustive list and some distributors may not offer all activities listed. Rather the examples provide a sufficient indication of the types of activities captured by the service.

³ Revenue for these services is charged to the relevant third party and is treated in accordance with the shared asset guideline. 'Shared asset facilitation' refers to administrative costs. It does not refer to the costs associated with providing the unregulated service itself.

	<ul style="list-style-type: none"> • supply abolishment of basic connection⁵ • customer safety information, e.g. 'dial before you dig' services • Bulk supply point metering - activities relating to monitoring the flow of electricity through the distribution network. • Third party initiated network asset relocations/re-arrangements under ESCV Guideline 14.6 • Transmission network support 	
Network ancillary services – customer and third party initiated services related to common distribution services		
Access permits, oversight and facilitation	<p>Activities include:</p> <ul style="list-style-type: none"> • a distributor issuing access permits or clearances to work to a person authorised to work on or near distribution systems including high and low voltage • a distributor issuing confined space entry permits and associated safe entry equipment to a person authorised to enter a confined space • a distributor providing access to switch rooms, substations and other network equipment to a non-Local Network Service Provider party who is accompanied and supervised by a distributor's staff member. May also include a distributor providing safe entry equipment (fall-arrest) to enter difficult access areas. • specialist services (which may involve design related activities and oversight/inspections of works) where the design or construction is non-standard, technically complex or environmentally sensitive and any enquiries related to distributor assets • facilitation of generator connection and operation of the network • facilitation of activities within clearances of distributor's assets, including physical and electrical isolation of assets. 	Alternative control

⁴ The Victorian Electricity Safety Act 1998, clause 113F, requires Vic DNSPs to inspect overhead private electric lines.

⁵ This service is classified as Standard Control Services under the 2016-20 Determination for public safety reasons. Victorian DNSPs wish to continue with the classification.

⁶ This classification applies where a customer contribution is calculated and applied in accordance with Essential Services Commission (ESCV) Guideline 14 or where a customer contribution is calculated and applied in accordance with any other relevant Victorian legislation or regulation, including regulations made under the National Electricity (Victoria) Act, 2005. The party requesting such works under this classification must pay the net cost of the works, subject to any rebates specified in Guideline 14 or by any other relevant Victorian legislation or regulation.

Sale of approved materials or equipment	Includes the sale of approved materials/equipment to third parties for connection assets that are gifted back to become part of the shared distribution network.	Alternative control
Notices of arrangement and completion notices	Examples include: <ul style="list-style-type: none"> • Work of an administrative nature where a local council requires evidence in writing from the distributor that all necessary arrangements have been made to supply electricity to a development. This includes: receiving and checking subdivision plans, copying subdivision plans, checking and recording easement details, assessing supply availability, liaising with developers if errors or changes are required, and preparing notifications of arrangement. • Provision of a completion notice (other than a notice of arrangement). This applies where the real estate developer requests the distributor to provide documentation confirming progress of work. Usually associated with discharging contractual arrangements (e.g. progress payments) to meet contractual undertakings. 	Alternative control
Network related property services	Activities include: <ul style="list-style-type: none"> • Network related property services such as property tenure services relating to providing advice on, or obtaining: deeds of agreement, deeds of indemnity, leases, easements or other property tenure in relation to property rights associated with a connection or relocation. • Conveyancing inquiry services relating to the provision of property conveyancing information at the request of a customer. 	Alternative control
Network safety services	Examples include: <ul style="list-style-type: none"> • provision of traffic control and safety observer services by the distributor where required • fitting of tiger tails, possum guards, and aerial markers • high load escorts. • site visit relating to location of underground cables/assets • Third party request for de-energising wires for safe approach 	Alternative control
Planned Interruption – customer requested amendment	Examples include: <ul style="list-style-type: none"> • where the customer requests to move a distributor planned interruption and agrees to fund the additional cost of performing this distribution service outside of normal business hours 	Alternative control
Customer requested supply outage	Examples include: <ul style="list-style-type: none"> • customer initiated network outage (e.g. to allow customer and/or contractor to perform maintenance on the customer's assets, work close to or for safe approach, which impacts other networks users). 	Alternative control

Inspection and auditing services	<p>Activities include:</p> <ul style="list-style-type: none"> inspection and reinspection by a distributor, of gifted assets or assets that have been installed or relocated by a third party investigation, review and implementation of remedial actions that may lead to corrective and disciplinary action of a third party service provider due to unsafe practices or substandard workmanship auditing of a third party service provider's work practices in the field re-test at a customer's installation, where the installation fails the initial test and cannot be connected. 	Alternative control
Provision of training to third parties for network related access	<p>Training services provided to third parties that result in a set of learning outcomes that are required to obtain a distribution network access authorisation specific to a distributor's network. Such learning outcomes may include those necessary to demonstrate competency in the distributor's electrical safety rules, to hold an access authority on the distributor's network and to carry out switching on the distributor's network. Examples of training might include high voltage training, protection training or working near power lines training.</p>	Alternative control
Authorisation and approval of third party service providers design, work and materials	<p>Activities include:</p> <ul style="list-style-type: none"> authorisation or re-authorisation of individual employees and subcontractors of third party service providers and additional authorisations at the request of the third party service providers (excludes training services) acceptance of third party designs and works assessing an application from a third party to consider approval of alternative material and equipment items that are not specified in the distributor's approved materials list 	Alternative control
Security lights	<p>Provision, installation, operation, and maintenance of equipment mounted on distribution equipment used for security services, e.g. nightwatchman lights. Note: excludes connection services.</p>	Alternative control
Customer requested provision of electricity network data	<p>Customer requested provision of electricity network data</p>	Alternative control
Third party funded network alterations or other improvements	<p>Alterations or other improvements to the shared distribution network to enable third party infrastructure (e.g. NBN Co telecommunications assets) to be installed on the shared distribution network. This does not relate to upstream distribution network augmentation.</p>	Alternative control

Customer initiated network asset relocations/re-arrangements	Customer initiated network asset relocations/re-arrangements	Alternative control
Community network upgrades	Collective customer requested network enhancement. Activities related to community requests to augment the network to enable higher PV exports.	Alternative Control
Metering services - activities relating to the measurement of electricity supplied to and from customers through the distribution system (excluding network meters)		
Type 1 to 4 metering services	Type 1 to 4 metering installations ⁷ and supporting services are competitively available.	Unregulated
Type 5 and 6 (inc. smart metering) services where the distributor remains responsible	Includes: <ul style="list-style-type: none"> • Recovery of the cost of type 5 and 6 metering equipment⁸ including communications network (including meters with internally integrated load control devices). • Testing, inspecting, investigating, maintaining or altering existing type 5 or 6 metering installations or instrument transformers. • Quarterly or other regular reading of a metering installation. • Metering data services that involve the collection, processing, storage and delivery of metering data, the provision of metering data from the previous two years, remote or self-reading at difficult to access sites, and the management of relevant NMI Standing Data in accordance with the NER. 	Alternative control
Auxiliary metering services (type 5 to 7 including smart metering) where the distributor remains responsible	Activities include: <ul style="list-style-type: none"> • requests to test, inspect and investigate, or alter an existing type 5 or 6 metering installation • testing and maintenance of instrument transformers for type 5 and 6 metering purposes • Non-standard metering services for Type 5 to 7 meters and any other meter types introduced. • works to re-seal a type 5 or 6 meter due to customer or third party action (e.g. by having electrical work done on site) • change distributor load control relay channel on request that is not a part of the initial load control 	Alternative control

⁷ Includes the instrument transformer, as per the definition of a 'metering installation' in Chapter 10 of the NER.

⁸ Includes the instrument transformer, as per the definition of a 'metering installation' in Chapter 10 of the NER.

	<p>installation, nor part of standard asset maintenance or replacement.</p> <ul style="list-style-type: none"> • Remote de-energisation and re-energisation • Remote meter configuration • Field based special meter read • Office based special meter read • Metering exit services 	
Type 7 metering services	Administration and management of type 7 metering installations in accordance with the NER and jurisdictional requirements. Includes the processing and delivery of calculated metering data for unmetered loads, and the population and maintenance of load tables, inventory tables and on/off tables.	Alternative control
Connection services - services relating to the electrical or physical connection of a customer to the network		
Basic connection services	<p>Means a <i>connection service</i>⁹ related to a <i>connection</i> (or a proposed connection) between a distribution system and a retail customer's premises (excluding a non-registered embedded generator's premises) in the following circumstances:</p> <p>(a) either:</p> <ol style="list-style-type: none"> 1. the retail customer is typical of a significant class of retail customers who have sought, or are likely to seek, the service; or 2. the retail customer is, or proposes to become, a micro embedded generator; <p>and</p> <p>(b) the provision of the service involves minimal or no augmentation of the distribution network; and</p> <p>(c) a model standing offer has been approved by the AER for providing that service as a basic connection service.</p>	Alternative control
Standard connection service	Means a connection service (other than a basic connection service) for a particular class (or sub-class) of connection applicant and for which a model standing offer has been approved by the AER.	Standard control
Negotiated connection	Means a connection service (other than a basic connection service) for which a DNSP provides a connection offer for a negotiated connection contract. This includes connections under Chapter 5 of the NER.	Standard control

⁹ Italics denotes definitions in Chapter 5A of the NER.

<p>Connection application and management services</p>	<ul style="list-style-type: none"> • Connection application related services • Works initiated by a customer or retailer that are specific to the connection point. This includes, but is not limited to: <ul style="list-style-type: none"> • field based de-energisation¹⁰ and re-energisation • Non basic supply abolishment or reposition non-basic connection • Temporary connections (e.g. for builder's supply, fetes etc.) • overhead service line replacement – customer requests the existing overhead service to be replaced (e.g. because of a point of attachment relocation). No material change to load • protection and power quality assessment • supply enhancement (e.g. upgrade from single phase to three phase) • customer requested change requiring primary and secondary plant studies for safe operation of the network (e.g. change protection settings) • upgrade from overhead to underground service • rectification of illegal connections or damage to overhead or underground service cables • calculation of a site specific distribution loss factor on request in respect of a generating unit up to 10 MW or a connection point for an end-user with actual or forecast load up to 40 GWh per annum capacity, as per clause 3.6.3(b1) of the NER • calculation of site specific loss factors when required under the NER • power factor correction • Embedded network management • assessing connection applications or a request to undertake relocation of network assets as contestable works and preparing offers • processing preliminary enquiries requiring site specific or written responses • undertaking planning studies and associated technical analysis (e.g. power quality investigations) to determine suitable/feasible connection options for further consideration by applicants • liaising with groups representing multiple connecting parties (e.g. community group upgrades) • site inspection in order to determine the nature of the connection service sought by the connection applicant and ongoing co-ordination for large projects • registered participant support services associated with connection arrangements and agreements made under Chapter 5 of the NER. 	<p>Alternative control</p>
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¹⁰ De-energisation services related to business as usual activities and de-energisation services that may relate to changing over meter types

Enhanced connection services*	Other or enhanced connection services provided at the request of a customer or third party that include those that are:	Alternative control
	<ul style="list-style-type: none"> provided with higher quality of reliability standards, or lower quality of reliability standards (where permissible) than required by the NER or any other applicable regulatory instruments. This includes reserve feeder installation and maintenance. in excess of levels of service or plant ratings required to be provided by the distributor 	
Public lighting - lighting services provided in connection with a distribution network		
Public lighting	<ul style="list-style-type: none"> Operation, maintenance, repair and replacement public lighting services Alteration and relocation of public lighting assets New public lighting services incl. greenfield sites & new light types (distributor provided) Provision, construction and maintenance of emerging public lighting technology. 	Alternative control

* Note: Whilst our proposed service classification for large embedded connections complies with the Framework and Approach paper, there is a strong case for classifying this service as an Alternative Control Service, given the AER's rationale for its proposed classifications in its Framework and Approach paper. This is discussed further in section 21.7 of our regulatory proposal.