

[C-I-C]

[C-I-C]

[C-I-C]

[C-I-C]

Schedule 1 – Delegated Functions

NER reference	Subject	Summary of delegated Function	Limitations/Conditions on Delegated Function
4.10.3 & 4.10.5	Liaison with DSOs	AEMO's responsibilities and rights under clauses 4.10.3 and 4.10.5 of the NER to: - maintain effective communications with each DSO whose <i>distribution network</i> is <i>connected</i> to the <i>transmission network</i> the conditions of the DSO's <i>distribution network</i> and to co-ordinate activities where either AusNet's or the DSO's operations are anticipated to affect other <i>distribution networks</i> or <i>transmission networks</i>; - instruct a DSO to place reactive plant belonging to or controlled by that DSO into or out of service for the purposes of maintaining power system security. For the avoidance of doubt, an instruction under cl. 4.10.5 is not a cl. 4.8.9 instruction. AEMO's operational zone is specified in AEMO's Regional Power System Operating Procedure – Victoria.	Without limiting the generality of this Delegated Function, AusNet will interact with DSOs and co-ordinate activities with DSOs for the following purposes: - co-ordinating <i>planned outages</i>; - identifying fault contributions to the Victorian <i>transmission network</i> resulting from the actions of <i>embedded generating units</i>; - communicating all underfrequency settings to be applied as determined and notified by AEMO; - instructing a DSO to place <i>reactive plant</i> belonging to or controlled by that DSO into or out of service; - requiring the activation of DSO <i>reactive plant</i>; - implementing <i>load shedding</i> and <i>load</i> restoration; and - implementing a <i>system restart plan</i>, as required by the Regional Power System Operating Procedure – Victoria. AusNet will keep AEMO informed in a timely manner of all communications with DSOs and the impact of each DSO's activities and <i>distribution networks</i> on the <i>power system</i>.
4.10.4	Liaison with DSOs	AEMO's function to receive notices from DSOs under clause 4.10.4 of the NER.	Without limiting the generality of this Delegated Function, AusNet must receive the relevant notices under clause 4.10.4 of the NER and: - take them into consideration when undertaking any Delegated Function; and - advise AEMO where required by the Regional Power System Operating Procedure – Victoria.
4.3.1(s)	Load Shedding and Restoration	AEMO's responsibilities to co-ordinate and direct any rotation of widespread interruption of demand in the event of a major <i>supply</i> shortfall or disruption under clause 4.3.1(s) of the NER.	This Delegated Function is to be carried out in accordance with the <i>load shedding procedures</i> and is restricted to the following activities: upon receipt of a direction under section 116 of the NEL from AEMO to commence <i>load shedding</i>, AusNet must determine whether <i>load shedding</i> can occur from <i>transmission</i>

NER reference	Subject	Summary of delegated Function	Limitations/Conditions on Delegated Function
			<i>connection points, or distribution connection points;</i> • if AusNet determines that <i>load shedding</i> is to occur from <i>transmission connection points</i>, AusNet must determine the <i>connection points</i> from which <i>load</i> will be shed; • if AusNet determines that <i>load shedding</i> is to occur from <i>distribution connection points</i>, AusNet must transmit AEMO's direction to the DSOs in Victoria; and • upon receipt of a direction under the NEL from AEMO to restore <i>load</i>, AusNet must restore <i>load</i> to <i>transmission connection points</i>, or transmit AEMO's direction to the DSOs, as appropriate to restore <i>load</i> to <i>distribution connection points</i> (as appropriate). This Delegated Function does not extend to the following: • the issue of directions under section 116 of the NEL; • compliance with directions under section 116 of the NEL issued by AEMO; • the provision of interruptible <i>load</i> under clause 4.3.4(b) of the NEL; • the maintenance of facilities for rotational <i>load shedding</i> under clause 4.3.4(c) of the NEL; • the provision of sufficient <i>load</i> under the control of under-frequency and under-voltage relays and automatic and manual <i>load shedding</i> processes under clause S5.1.10.1 of the NEL; • the maintenance of a compliance program and testing of <i>control systems</i> for <i>load shedding</i> under clause 5.7.4(a1) of the NEL.
4.3.1(a) & (q)	System Restart	AEMO's responsibilities to restore or maintain <i>power system security</i> following a <i>major supply disruption</i> under clause 4.3.1(a) and (g) of the NEL.	This Delegated Function is to be carried out in accordance with the <i>system restart plan</i> and is restricted to the following activities: • upon receipt of a direction under section 116 of the NEL from AEMO to establish a specified restart path, AusNet must develop a detailed switching plan; • liaise with AEMO and <i>Registered Participants</i> as necessary in the development of the detailed switching plan; and • carry out <i>network</i> switching to implement the detailed switching plan and complete the restoration of <i>load</i> in accordance with the <i>load shedding procedures</i>. This Delegated Function does not extend to the following: • any <i>network</i> switching in response to a direction under section 116 of the NEL from AEMO to perform specified <i>network</i> switching; • development of, and amendments to, AusNet's <i>local black system procedures</i> under clause 4.8.12(d) of the NEL; and • compliance with AusNet's <i>local black system procedures</i>.

NER reference	Subject	Summary of delegated Function	Limitations/Conditions on Delegated Function
4.3.1 and 4.8.9	Power system security following total breakdown in communications	AEMO's responsibilities to restore or maintain <i>power system security</i> under clause 4.3.1(a) of the NER.	This Delegated Function is restricted to the following actions, which will be carried out in accordance with AEMO's Regional Power System Operating Procedure – Victoria and can be exercised while there exists a breakdown in all communications facilities between AusNet's control centre and the AEMO <i>coordinating control centre</i>. • AusNet may take whatever action is necessary to restore or maintain the <i>transmission network</i> in Victoria to a <i>satisfactory operating state</i>; and • provided that, as required by NER clause 4.8.9(a2), AusNet follows the processes in NER rule 4.8 unless it is not reasonably practicable to do so, AusNet may issue <i>directions</i> or clause 4.8.9 <i>instructions</i> during such period. This document may be taken as AEMO's authorisation for the purposes of clause 4.8.9(a) of the NER.
4.3.1(a)	Power System Security within the AusNet Transmission Operational Zone	Within the AusNet Transmission Operational Zone, AEMO's responsibilities under clause 4.3.1(a) of the NER	This Delegated Function is restricted to the following actions, which will be carried out in accordance with the Regional Power System Operating Procedure – Victoria: • advise AEMO of line <i>outages</i> if specified by the regional Power System Operating Procedure – Victoria; • receipt and assessment of data related to the status and performance of the AusNet Operational Zone to ensure it remains in a <i>satisfactory operating state</i> and <i>secure operating state</i>; • taking action to restore the AusNet Transmission Operational Zone to a <i>satisfactory operating state</i> and a <i>secure operating state</i>; • where necessary, seeking from AEMO the invocation of constraint equations to restore the AusNet Transmission Operational Zone to a <i>satisfactory operating state</i> and a <i>secure operating state</i>; and • where necessary, seeking from AEMO the issue of <i>directions</i> or clause 4.8.9 <i>instructions</i> to restore the AusNet Transmission Operational Zone to a <i>satisfactory operating state</i>. This Delegated Function does not include any network switching in response to an instruction from AEMO to perform specified network switching.