

Schedule 1 – Delegated Functions

NER reference	Subject Matter	Delegated Function	Limitations/Conditions on Delegated Function
4.10.3	Liaison with DSOs	Within the AEMO Operational Zone, AEMO's responsibilities under clause 4.10.3 of the NER to maintain effective communications with each DSO whose <i>distribution network</i> is <i>connected</i> to Transend's <i>transmission network</i> concerning the conditions of the DSO's <i>distribution network</i> and to co-ordinate activities where either Transend's or the DSO's operations are anticipated to affect other <i>distribution networks</i> or <i>transmission networks</i> .	<p>Without limiting the generality of this Delegated Function, Transend will interact with DSOs and co-ordinate activities with DSOs for the following purposes:</p> <ul style="list-style-type: none"> • co-ordinating <i>planned outages</i>; • identifying fault contributions to Transend's <i>transmission network</i> resulting from the actions of <i>embedded generating units</i>; • requiring the activation or de-activation of DSO <i>reactive plant</i>; • implementing <i>load shedding</i> and <i>load restoration</i>; and • implementing a <i>system restart plan</i>, <p>as required by the Regional Specific Power System Operating Procedure – Tasmania.</p> <p>Transend 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>.</p>
4.10.4	Liaison with DSOs	AEMO's responsibility to receive notices from DSOs affecting the AEMO Operational Zone under clause 4.10.4 of the NER.	<p>Without limiting the generality of this Delegated Function, Transend must receive the relevant notices under clause 4.10.4 of the NER and:</p> <ul style="list-style-type: none"> • take them into consideration when undertaking any Delegated Function in relation to the AEMO Operational Zone; and • advise AEMO where required by the Regional Power System Operating Procedure – Tasmania.
4.3.1(s)	Load Shedding and Restoration	Within the AEMO Operational Zone or the Transend Operational Zone, 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.	<p>This Delegated Function must be carried out in accordance with the <i>load shedding procedures</i> and is restricted to the following activities:</p> <ul style="list-style-type: none"> • upon receipt of a direction under the NEL from AEMO to commence <i>load shedding</i>, Transend must determine whether <i>load shedding</i> can occur from <i>transmission connection points</i>, or <i>distribution connection points</i>; • if <i>load shedding</i> is to occur from <i>transmission connection points</i>, Transend must determine the <i>connection points</i> from which <i>load</i> will be shed; • if <i>load shedding</i> is to occur from <i>distribution connection points</i>, Transend must transmit AEMO's direction to the DSOs in Tasmania; and

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			<ul style="list-style-type: none"> upon receipt of a direction under the NEL from AEMO to restore <i>load</i>, to restore <i>load</i> to <i>transmission connection points</i>, or transmit AEMO's direction to the DSOs, as appropriate. <p>This Delegated Function does not extend to the following:</p> <ul style="list-style-type: none"> the issue of directions under the NEL or issued under clause 4.8.9 of the NER; compliance with directions under the NEL issued by AEMO; the provision of interruptible <i>load</i> under clause 4.3.4(b) of the NER; the maintenance of facilities for rotational <i>load shedding</i> under clause 4.3.4(c) of the NER; 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 NER; and 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 NER.
4.3.1(a) & (q)	System Restart	Within the 220 kV Network, AEMO's responsibilities to restore or maintain <i>power system security</i> following a <i>major supply disruption</i> .	<p>This Delegated Function must be carried out in accordance with the <i>system restart plan</i> and is restricted to the following activities:</p> <ul style="list-style-type: none"> upon receipt of a direction under the NEL from AEMO to establish a specified restart path, Transend 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>. <p>This Delegated Function does not extend to the following:</p> <ul style="list-style-type: none"> any <i>network</i> switching in response to a direction under the NEL from AEMO to perform specified <i>network</i> switching; development of, and amendments to, Transend's <i>local black system procedures</i>; and compliance with Transend's <i>local black system procedures</i>.
4.3.1(a)	Power System Security within the Transend Operational Zone	Within the Transend Operational Zone, AEMO's responsibilities under clause 4.3.1(a) of the NER.	<p>This Delegated Function is restricted to the following actions, which will be carried out in accordance with the Regional Power System Operating Procedures - Tasmania:</p> <ul style="list-style-type: none"> advise AEMO of line <i>outages</i> as specified by the Regional Power System Operating Procedures - Tasmania; receipt and assessment of data related to the status and performance of the Transend Operational Zone to ensure its remains in a <i>satisfactory operating state</i> and <i>secure</i>

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			<p><i>operating state</i>;</p> <ul style="list-style-type: none"> • taking action to restore the Transend Operational Zone to a <i>satisfactory operating state</i> and <i>secure operating state</i>; • where necessary, seeking from AEMO the invocation of <i>constraint</i> equations to restore the Transend Operational Zone to a <i>satisfactory operating state</i> and <i>secure operating state</i>; and • where necessary, seeking from AEMO the issue of <i>directions</i> or <i>clause 4.8.9 instructions</i> to restore the Transend Operational Zone to a <i>satisfactory operating state</i>. <p>This Delegated Function does not include any <i>network</i> switching in response to an instruction from AEMO to perform specified <i>network</i> switching.</p>
4.3.1	Power System Security following Breakdown in Communications	AEMO's responsibilities under clause 4.3.1(a) of the NER.	<p>This Delegated Function is restricted to the following actions, which will be carried out in accordance with the Regional Power System Operating Procedures - Tasmania:</p> <ul style="list-style-type: none"> • where AEMO cannot be contacted in a timely manner due to a breakdown in all communications systems between Tasmania and mainland Australia, to take whatever action is necessary to restore or maintain the AEMO Operational Zone and Transend Operational Zone to a <i>satisfactory operating state</i>; and • provided Transend follows the processes in clause 4.8, as required by clause 4.8.9(a2), unless it is not reasonably practical to do so, the actions Transend may take to restore or maintain the AEMO Operational Zone and Transend Operational Zone to a <i>satisfactory operating state</i> include the issue of <i>directions</i> or <i>clause 4.8.9 instructions</i> and this document may be taken as AEMO's authorisation for the purposes of clause 4.8.9(a)(2) of the NER.