

Schedule 1 – Delegated Functions

| NER reference | Subject Matter | Delegated Function | Limitations/Conditions on Delegated Function |
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| 4.10.3 & 4.10.5 | Liaison with DSOs | AEMO's responsibilities under clause 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 Powerlink's <i>transmission network</i> concerning the conditions of the DSO's <i>distribution network</i> and to co-ordinate activities where either Powerlink'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, Powerlink 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 Powerlink's <i>transmission network</i> resulting from the actions of <i>embedded generating units</i>; • communicating all underfrequency settings to relays as determined and notified by AEMO; • 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 Power System Operating Procedure – Queensland.</p> <p>Powerlink 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 under clause 4.10.4 of the NER. | <p>Without limiting the generality of this Delegated Function, Powerlink 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; and • advise AEMO where required by the Regional Power System Operating Procedure – Queensland. |
| 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. | <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>, Powerlink 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>, Powerlink 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>, Powerlink must transmit AEMO's direction to the DSOs in Queensland; 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 | 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, Powerlink 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, Powerlink's <i>local black system procedures</i>; and compliance with Powerlink's <i>local black system procedures</i>. |
| 4.3.1 | Power System Security following total 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 - Queensland:</p> <ul style="list-style-type: none"> while there exists a breakdown in all communications systems between the AEMO and Powerlink control centres, Powerlink may take whatever action is necessary to restore or maintain the <i>transmission network</i> in Queensland to a <i>satisfactory operating state</i>; and |

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| | | | <ul style="list-style-type: none"> provided Powerlink follows the processes in clause 4.8, as required by clause 4.8.9(a2), unless it is not reasonably practicable to do so, the actions Powerlink may take to restore or maintain the <i>transmission network</i> in Queensland 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. |