

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 | Within the AEMO Operational Zone, 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 TransGrid's <i>transmission network</i> concerning the conditions of the DSO's <i>distribution network</i> and to co-ordinate activities where either TransGrid'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, TransGrid 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 TransGrid'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 – New South Wales.</p> <p>TransGrid 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, TransGrid 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 – New South Wales. |
| 4.3.1(s) | Load Shedding and Restoration | Within the AEMO Operational Zone or the TransGrid 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>, TransGrid 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>, TransGrid 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>, TransGrid must transmit |

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| | | | <p>AEMO's direction to the DSOs in New South Wales; and</p> <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 NEL; compliance with directions under 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; 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 NEL. |
| 4.3.1(a) & (q) | System Restart | Within the AEMO Operational Zone, 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, TransGrid 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, TransGrid's <i>local black system procedures</i>; and compliance with TransGrid's <i>local black system procedures</i>. |
| 4.3.1(a) | Power System Security within the TransGrid Operational Zone | Within the TransGrid Operational Zone, AEMO's responsibilities under clause 4.3.1(a) of the NEL. | <p>This Delegated Function is restricted to the following actions, which will be carried out in accordance with the Regional Power System Operating Procedure - New South Wales:</p> <ul style="list-style-type: none"> advise AEMO of line <i>outages</i> as specified by the Regional Power System Operating Procedures - New South Wales; receipt and assessment of data related to the status and performance of the TransGrid |

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| | | | <p>Operational Zone to ensure it remains in a <i>satisfactory operating state</i> and <i>secure operating state</i>;</p> <ul style="list-style-type: none"> • taking action to restore the TransGrid 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 TransGrid 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 TransGrid 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> |