

Annex 9: Legal Text Changes Post CAC

Definition consulted on as part of Code Administrator Consultation:

Internal Voltage Source or IVS	<p>For a GBGF-S, a real magnetic field, that rotates synchronously with the System Frequency under normal operating conditions, which as a consequence induces an internal voltage (which is often referred to as the Electro Motive Force (EMF)) in the stationary generator winding that has a real impedance.</p> <p>In a GBGF-I, switched power electronic devices are used to produce a voltage waveform, with harmonics, that has a fundamental rotational component called the Internal Voltage Source (IVS) that rotates synchronously with the System Frequency under normal operating conditions.</p> <p>For a GBGF-I there must be an impedance with only real physical values, between the Internal Voltage Source and the Grid Entry Point or User System Entry Point.</p> <p><u>For the avoidance of doubt, the impedance between the Internal Voltage Source and the Grid Entry Point or User System Entry Point could be virtual, real, or a combination of the two.</u></p> <p>For the avoidance of doubt, a virtual impedance, is not permitted in GBGF-I.</p>
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During the Code Administrator Consultation, a respondent suggested that the definition should be amended as follows, to remove a comma after a section of deleted text:

Internal Voltage Source or IVS	<p>For a GBGF-S, a real magnetic field, that rotates synchronously with the System Frequency under normal operating conditions, which as a consequence induces an internal voltage (which is often referred to as the Electro Motive Force (EMF)) in the stationary generator winding that has a real impedance.</p> <p>In a GBGF-I, switched power electronic devices are used to produce a voltage waveform, with harmonics, that has a fundamental rotational component called the Internal Voltage Source (IVS) that rotates synchronously with the System Frequency under normal operating conditions.</p> <p>For a GBGF-I there must be an impedance with only real physical values, between the Internal Voltage Source and the Grid Entry Point or User System Entry Point.</p> <p><u>For the avoidance of doubt, the impedance between the Internal Voltage Source and the Grid Entry Point or User System Entry Point could be virtual, real, or a combination of the two.</u></p> <p>For the avoidance of doubt, a virtual impedance, is not permitted in GBGF-I.</p>
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At the Grid Code Review Panel meeting on 30 May 2024, the Panel considered the legal text amendments proposed as part of the Code Administrator Consultation and agreed that they were typographical.