

## D Code Documents affected by GC0117

### Distribution Code:

Reference	Existing Text	Comment/Recommendation
Defn: Large Power Stn	As defined in the Grid Code	This definition is not actually used in the Distribution Code – so could be deleted.
Defn: Small Power Stn	As defined in the Grid Code	This definition is not actually used in the Distribution Code – so could be deleted.
Defn: Medium Power Stn	<p>A Power Station which is connected to a System notionally connected to a Grid Supply Point in NGET's Transmission Area with a Registered Capacity of 50 MW or more but less than 100 MW.</p> <p>For the avoidance of doubt an installation comprising one or more DC Converters with an aggregate capacity of between 50 and 100MW will be classed as a Medium Power Station for the purposes of this Distribution Code</p>	<p>The GC0117 Original proposal would make this definition redundant – or at least when GC0117 becomes active.</p> <p>For WAGCM1 it would need to be redefined to apply to GB.</p>
DPC7.3.3	Extra Information From Embedded Generators to be Provided to Meet Grid Code Requirements	<p>This clause directs Medium Power Station owners to relevant Grid Code clauses.</p> <p>For the Original it can be deleted – or made inactive on GTC0117 becoming active. For WAGCM1 it would be unchanged.</p>
DP7.4.1.5	Embedded Medium Power Stations additionally have to comply with DPC 7.5.	<p>This clause directs Medium Power Station owners to DPC7.5 for the relevant technical requirements.</p> <p>For the Original it can be deleted – or made inactive on GTC0117 becoming active. For WAGCM1 it would be unchanged.</p>
DPC7.5	Technical Requirements for Medium Power Stations	<p>This clause directs Medium Power Station owners to relevant Grid Code clauses.</p> <p>For the Original it can be deleted – or made inactive on GTC0117 becoming active. For WAGCM1 it would be unchanged.</p>

Reference	Existing Text	Comment/Recommendation
DOC5.1.3	This DOC5 also covers the testing requirements that might be imposed from time to time on Embedded Medium Power Stations owned by a Generators who are not party to the CUSC	This clause explains the testing requirements applicable to Medium Power Stations are contained in DOC5. For the Original it can be deleted – or made inactive on GTC0117 becoming active. For WAGCM1 it would be unchanged.
DOC5.6	DOC5.6 Grid Code Compliance for Medium Power Stations not subject to an embedded generation agreement	This clause contains the testing requirements applicable to Medium Power Stations. For the Original it can be deleted – or made inactive on GTC0117 becoming active. For WAGCM1 it would be unchanged.

## G99

Reference	Existing Text	Comment/Recommendation
2.9	If the Registered Capacity of a Power Generating Facility in England and Wales is 50 MW or more, the Generator will have to comply with the requirements for an Embedded Medium Power Station as detailed in paragraphs 6.4.4 and 13.8.	This clause directs Medium Power Station owners to relevant parts of G99. For the Original it can be deleted – or made inactive on GTC0117 becoming active. For WAGCM1 it would be unchanged.
4 Defn Medium Power Stn	A Power Generating Facility in England and Wales of 50MW or greater Registered Capacity but less than 100MW Registered Capacity connected to a DNO's Distribution Network.	The GC0117 Original proposal would make this definition redundant – or at least when GC0117 becomes active. For WAGCM1 it would need to be redefined to apply to GB.
Fig 4.5	Embedded Medium Power Station in England and Wales, large power station in Scotland)	Would need to be updated to define as Large Power station and defer to the Grid Code
Fig 4.6	= 14.5 MW Power Generating Facility (Large power station in North of Scotland)	Needs to be updated dependent on outcome of GC0117
Fig 6.3	= 60 MW Power Generating Facility (Embedded Medium Power Station in England & Wales / large power station in Scotland)	Needs to be updated dependent on outcome of GC0117
6.1.6	Interaction with the NETSO	This is probably still appropriate to remain unchanged

Reference	Existing Text	Comment/Recommendation
6.3.8.4		This is probably still appropriate to remain unchanged to cater for the DNOs' needs in relation to embedded Cs and Ds.
6.4.1.2	Power Generating Module data for Embedded Medium Power Stations	This clause directs Medium Power Station owners to relevant parts of G99. For the Original it can be deleted – or made inactive on GTC0117 becoming active. For WAGCM1 it would be unchanged.
6.4.4	Extra Information for Embedded Medium Power Stations to be provided to Meet Grid Code Requirements	This clause directs Medium Power Station owners to relevant Grid Code clauses. For the Original it can be deleted – or made inactive on GTC0117 becoming active. For WAGCM1 it would be unchanged.
10.3.3	Installation of automatic reconnection systems for Type B, Type C and Type D shall be subject to prior authorisation by the DNO. Unless Generators of Type D Power Generating Modules have prior authorisation from the DNO for the installation of automatic reconnection systems, they shall obtain authorisation from the DNO, or NETSO where the Generator has a CUSC contract, as applicable, prior to synchronisation	This will probably need to change to reflect that all Cs and Ds are bound by the requirements of the Grid Code in respect of autoreconnexion. For the Original it needs to be modified from GTC0117 becoming active. For WAGCM1 it would be unchanged.
10.6.7.1	Table 10.1 Settings for Long-Term Parallel Operation	This might need to be updated for the Original to reflect NGENSO's requirements. Also likely to be interactive with GC0155 in terms of O/V settings.
Section 13	Type C and Type D Power Generating Module Technical Requirements	As Type C and D are >10MW, for the Original it can probably be deleted, or made inactive when GC0117 becomes active. For WAGCM1 it would be unchanged.
Section 18	Type C Compliance Testing, Commissioning and Operational Notification	As Type C are >10MW, for the Original it can probably be deleted, or made inactive when GC0117 becomes active. For WAGCM1 it would be unchanged.
Section 19	Type D Compliance Testing, Commissioning and Operational Notification	As Type D are >50MW, for the Original it can probably be deleted, or made inactive when GC0117 becomes active. For WAGCM1 it would be unchanged.

Reference	Existing Text	Comment/Recommendation
13.8	Technical Requirements for Embedded Medium Power Stations	<p>This clause directs Medium Power Station owners to relevant Grid Code clauses.</p> <p>For the Original it can be deleted – or made inactive on GTC0117 becoming active. For WAGCM1 it would be unchanged.</p>
19.2.2	<p>The following provisions apply in relation to the issue of an Energisation Operational Notification in respect of Embedded Medium Power Stations and Type D Power Generating Modules or Power Park Modules connecting to the Distribution Network. If the Power Generating Facility is large as defined in the Grid Code (ie 10 MW in the north of Scotland; 30 MW in the south of Scotland, 100 MW in England and Wales) it should follow the procedures in the Grid Code.</p>	<p>This clause directs owners of Medium and Large Power Stations as appropriate.</p> <p>For the Original it might need to be rewritten – although there is a question over the need to retain Section 19 at all. For WAGCM1 it would be unchanged.</p>
Annex C	Annex C – Type C and Type D	<p>As Type C and D are &gt;10MW, for the Original it can probably be deleted, or made inactive when GC0117 becomes active. For WAGCM1 it would be unchanged.</p>

## G59

As GC0117 is not intended to be retrospective, and as G59 only applies to plant commissioned since April 2019, there is probably no need to change anything in G59.