

**Joint Grid Code / Distribution Code Working Group
Licence Exempt Embedded Medium Power Stations
Actions Record – Completed List**

Action No	Action on	Action / Outcome	Status
28/01/05 1	PH	Review requirements in CC.5.2.2 and CC.5.3 (including the removal of 5.2.2(c) and (e) because Site Responsibility Schedules for embedded generators are not NGC's responsibility and 5.3(b) as not required)	Completed
28/01/05 2	ALL	Review OC5 drafting and send comments to PH	Closed
28/01/05 3	PH	List the tests likely to apply to SVA registered generators	Closed
28/01/05 4	BG	Give a briefing at the next meeting (14/3/05) on the implications of CUSC consequential changes	Closed
28/01/05 5	ALL	Send comments on "BETTA" D Code to MK	Closed
28/01/05 6	MK	Review whether "BEGA" is still an appropriate term or whether also need to include "BELLA"	Completed
28/01/05 7	PH	Continue with GB GC redrafting and circulate prior to circulating draft report	Completed
12/10/04 1	JN	Circulate references in GB GC to OC5 tests and Bid-Offer Acceptance (BOA) <i>28/01/05 – WG agreed this is an issue and will be discussed under agenda item 4</i>	Completed
12/10/04 2	PH	Look at types of tests which apply and in what circumstances <i>28/01/05 – to be discussed under agenda item 4</i>	Completed
12/10/04 3	MK	Check the OC5.8 drafting works with DOC 5 drafting	Completed
12/10/04 4	SN	Add words to flow chart to the effect that any significant issues identified by NGC/DNO are flagged to the generator prior to receipt of their offer <i>28/01/05 – to be added as an issue in draft report</i>	Closed
12/10/04 5	PH	Think of both a clearer term than "Embedded Development Agreement" and definition (link to the DNO Connection Agreement) in GB GC drafting <i>28/01/05 – "DNO Connection Agreement" with a definition or "Connection Works Agreement" were suggested. WG agreed to close but can be revisited when report drafted</i>	Closed
12/10/04 6	MK	Check the list in PC3.3 of GB GC drafting	Completed
12/10/04 7	JH	Delete "/" in header for PC.4.4.1 and insert "and"	Completed
12/10/04 8	PH	Clarify in PC4.4.3 what the application is for (relates to connection to DNO network)	Completed
12/10/04 9	PH	Revisit drafting of PC5.4 (clarification of data) <i>28/01/05 – will be clarified</i>	Closed
12/10/04 10	PH + ALL	Look at wording of PC5.5 and what is meant by "fully operational." Clarify what data is required and when <i>28/01/05 – WG agreed on "as soon as reasonably practicable after energisation"</i>	Closed

12/10/04 11	MK	Reflect in the D Code the marker in square brackets on pg 16 of GB GC drafting (NB PC5.5 should read PC.A.5.5)	Completed
12/10/04 12	MK	Check the list in CC3.4 of GB GC drafting	Completed
12/10/04 13	ALL	Review CC5.2.2(d) and the restriction of not having the same or similar name – determine what the existing naming provisions are and whether NGC currently has the right to veto	Closed
12/10/04 14	JH	Clarify wording of CC5.2.2 and CC.5.3	Closed
12/10/04 15	ALL	Email comments on GB GC drafting to NGC (including those on CC5.2.2(f) not applying and use of “EDA Completion Date”)	Closed
12/10/04 16	PH	Redraft CC.6.4.4 wording in line with CC.6.5.6 (NGC shall provide SCADA equipment) and see if wording can be put in CC.6.5.6 instead of CC.6.4.4	Closed
12/10/04 17	PH	Put the drafting at bottom of CC.A.3.1 in square brackets and highlight as an issue in the report to the Panel <i>28/01/05 – to be included in February 05 Panel Report</i>	Closed
12/10/04 18	PH	Revisit drafting of CC.A.3.4 to see if it can replicate more the wording preceding it and if can link it to OC5 <i>28/01/05 – to revisit under agenda item 4</i>	Closed
12/10/04 19	PH	Delete “NGC is not required to deal with such persons” in OC12.3.2(b) and OC12.3.3	Completed
12/10/04 20	MK	Change references in D Code drafting from “bilateral generation agreement”/“embedded generation agreement” to “Bilateral Embedded Generation Agreement”	Completed
12/10/04 21	MK	To “BETTA” the DC drafting	Completed
12/10/04 22	MK	Delete DPC7.5.5 from drafting but WG noted that this can be reviewed by the Panel	Completed
12/10/04 23	MK	Circulate initial DOC12 drafting	Completed
12/10/04 24	PH	Draft report to Panel and circulate for comments	Completed
12/10/04 25	PH	Email any comments on D Code drafting to MK	Closed
26/8/04 1	JN/CM	Provide details of generator’s costs relating to testing (engineering and out of merit costs) <i>28/01/05 – variable but not quantifiable</i>	Closed
26/8/04 2	NGC	Testing related costs are (action 26/8/04 1) propose how they should be dealt with <i>28/01/05 – to be discussed under agenda item 4</i>	Closed
26/8/04 3	MK	Take on board comments made in meeting on DPC7 and DOC5 drafting, as appropriate	Completed
26/8/04 4	ALL	Email comments on DPC7 and DOC5 drafting to MK	Completed
26/8/04 5	MK	Check the new OC5.8 drafting works with DOC 5 drafting	Completed
26/8/04 6	PH	Establish what evidence NGC would be satisfied with that the LEEMPS complies with the Grid Code <i>12/10/04 – normal manufacturer data should be sufficient</i>	Completed
26/8/04 7	MK	Clarify wording of DOC5.6.3.1 and list the triggers (minute 26 refers)	Completed
26/8/04 8	MK	Add detail to DPC7 drafting so that it refers to compliance report/statement of compliance	Completed
26/8/04 9	MK	Include wording in DOC5 drafting on how to instruct and agree test programme	Completed

26/8/04 10	ALL	Email any thoughts on CUSC changes to PH (for paper to GB GCRP) – <i>none received</i>	Park
18/6/04 1	ALL	Review CUSC 1.3.1(b) and whether it answers the question as to what class of generator requires a BEGA (cross ref to Action 12/5/04 4) <i>12/10/04 – if licensed would require a BEGA</i>	Completed
18/6/04 2	PH	Clarify what data is needed in the square brackets of PC.4.3.1 which is not being obtained through the Grid Code <i>PH clarified on 26/8/04 that it is any data which is submitted that is required to produce the SYS</i>	Completed
18/6/04 3	PH	NGC to consider a paper to GCRP on limited frequency sensitive mode <i>PH advised on 26/8/04 that NGC is looking at a number of options, including limited frequency mode and basic capability. NGC is still considering separately the need for a GCRP paper. WG agreed to report to Panel that the WG is aware of the issue and will progress through the Panel.</i>	Completed
18/6/04 4	PH	Re-draft OC5 to include obligations for testing mentioned in BC2.10.2(c) and BC.2.10.3, <i>covered under 26/8/04 2</i>	Completed
18/6/04 5	SN	Revise swim lane diagram to accurately reflect what would happen if the embedded generator triggered infrastructure works	Completed
18/6/04 6	PH	Include on swim lane diagram what OC5 is to achieve	Completed
18/6/04 7	SN	Clarify what data NGC requires at Tasks 3 and 10 of the Gantt chart	Completed
18/6/04 8	DNOs	Identify changes required to DNOs pro forma connection offer <i>DNOs advised on 26/8/04 that the offers are not common across the companies. To be assessed once drafting completed</i>	Completed
18/6/04 9	NGC	Determine what is the position on who pays for testing/operating the agreement	See on-going action 26/8/04 1
18/6/04 10	PH	Insert the words “BM Unit” before “Generating Unit or CCGT Module...” in the heading to the table in OC5.5.3	Completed
18/6/04 11	ALL	Email any comments on PC to PH	Completed
18/6/04 13	PH	Capitalise the “p” in “prior” in CC5.2.1 and CC5.2.2 <i>PH confirmed on 26/8/04 that “p” is correct</i>	Completed
18/6/04 14	DNOs	Review and redraft DOC5 and DPC7 <i>Drafting was considered by WG on 26/8/04</i>	Completed
18/6/04 15	NGC	Consider and report back on whether the GC changes lead to a consequential CUSC modification or the other way round <i>PH confirmed on 26/8/04 that it is a Grid Code change and there are changes to the CUSC which can be consequential or in parallel</i>	Completed
12/5/04 1	CB	Produce Gantt chart of current connection process and data flows etc for Embedded MPS <i>Gantt Chart circulated and discussed at 18/6/04 Meeting</i>	Completed

12/5/04 2	PH	Annotate Gantt chart produced by CB to establish time line and process proposed by the re-drafting <i>Annotation started and discussed at 18/6/04 Meeting. PH advised on 26/8/04 that OC5 is to be updated</i>	Completed
12/5/04 3	PH	Clarify the meaning of “Bilateral Agreement” and “CUSC Contract” as used in the redrafting and whether one of these terms should be used throughout rather than both terms <i>PH advised on 18/6/04 that this is covered in the note of the issues addressed in the redraft of the Grid Code</i>	Completed
12/5/04 4	PH	Establish what class of generator requires a BEGA <i>PH referred the WG to CUSC 1.3.1(b) – see New Action 18/6/04 1</i>	Completed
12/5/04 5	PH	Establish if clarification is required on the different treatments of Embedded Medium Power Stations (ie those licensed (with agreement) and those licence exempt (without agreement)). <i>PH advised on 18/6/04 that aside from directly connected issues there should be no difference in obligation between those with an agreement and those without, the only difference being in how the obligations are carried out</i>	Completed
12/5/04 6	PH	Redraft clause PC.3.2(b) to include list of obligations, as suggested by MK in his email of 28/4/04, on LEEMPS <i>PH circulated the list of obligations prior to the meeting on 26/8/04. MK’s updated version is to follow by email. These will be included in the GB drafting</i>	Completed
12/5/04 7	ALL	Inform PH if wording in square brackets should be removed from PC.4.3.1 <i>See New Action 18/6/04 2</i>	Completed
12/5/04 8	PH	Review applicability of “section 6.5” of the CUSC wherever it is mentioned (PC.4.4.4, PC.5.4, PC.A.1.4(b) were highlighted in particular) and delete reference where not appropriate <i>PH advised on 18/6/04 that this has been addressed in the redrafting and in the note summarising the issues addressed in the redraft of the Grid Code</i>	Completed
12/5/04 9	PH	Clarify timescale by possibly inserting “on application of the connection to the DNO” in clause PC.5.2 <i>PH advised on 18/6/04 that this has been addressed in the redrafting</i>	Completed
12/5/04 10	PH	Clarify what clause PC.A.1.2 should be referring to as there is no “PC.4.6” <i>PH advised on 18/6/04 that this has been addressed in the redrafting (reference should be PC.4.4.3)</i>	Completed
12/5/04 11	ALL	Circulate any comments from PC.A.3.1.2 onwards to the WG <i>None received</i>	Completed
12/5/04 12	PH	Consider re-drafting of CC.3.3 to list obligations on LEEMPS as suggested by MK in his email of 28/4/04 (and then CC.6.4.4 can be deleted) <i>PH circulated the list of obligations prior to the meeting on 26/8/04. MK’s updated version is to follow by email. To be included CC.3.3 drafting but BGC thinks CC.6.4.4 cannot be deleted</i>	Completed

12/5/04 13	PH	Clarify wording in brackets in clause CC.5.1 as point made whether there would be a need for NGC to give approval if Licence Exempt Embedded MPS? <i>PH advised on 18/6/04 that he thought this was a CUSC issue rather than a Grid Code issue</i>	Completed
12/5/04 14	PH	Review CC.5.2 and CC.5.3 and their order and whether CC.5.2 can be modified to include CC.5.3 (MK's email of 28/4/04) <i>PH advised on 18/6/04 that this has been addressed in the redrafting</i>	Completed
12/5/04 15	PH	Remove highlighting in clause CC.6.3.3 because it is a duplication	Completed
12/5/04 16	PH	Consider whether clause CC.6.3.7(f) applies to anybody and if it does, does it actually change anything <i>PH advised on 18/6/04 that NGC believes it does apply to anybody who is captured by that section of the Grid Code</i>	Completed
12/5/04 17	PH	Assess request for word "reasonable" to be inserted after "NGC's" and before "view" in clause CC.6.3.8(a) <i>PH advised on 18/6/04 that NGC believes there needs to be a link back to the CUSC but not use the word "reasonable"</i>	Completed
12/5/04 18	PH	Identify backstop for NGC to notify the relevant Network Operator of the requirements (clause CC.6.3.8(a)) <i>The WG's agreed solution was for the clause to refer to paragraph "x" of the CUSC instead of "6.5". CUSC rather than Grid Code</i>	Completed
12/5/04 19	PH/MK/C B/NT/CZ	Consider what the mechanism for applying obligations between the parties should be (by Schedules or serving Notices?) <i>PH advised on 26/8/04 that NGC would provide the DNO with any additional site specific requirements on a Schedule. Within 28 days NGC would tell the DNO whether the application has a material effect and whether it requires a Modification Application. PH thinks this is a CUSC issue</i>	Completed
12/5/04 20	PH	Consider what timescales need to be specified for the provision in clause CC.6.3.12 <i>PH advised on 26/8/04 that the CUSC would contain the process and timescale rather than the Grid Code</i>	Completed
12/5/04 21	PH	Reconsider CC.8.1 to see if it can be clarified further regarding the issue previously discussed in Generic Provisions (ie a directly connected MPS requires a MSA for reactive power but not frequency response whilst an Embedded MPS does not need a frequency or reactive MSA) <i>PH advised on 18/6/04 that this is covered in his paper on BC3/CC.8.1</i>	Completed
12/5/04 22	MK	Obtain legal advice on the use of the word "procure" in CC.A.3.1 <i>(PH advised on 18/6/04 that NGC's lawyers think it is acceptable to use "procure"). MK agreed use of "procure" on 26/8/04</i>	Completed
12/5/04 23		Consider MK's suggested drafting change for CC.A.3.4 (email 28/4/04) <i>PH advised on 18/6/04 that MK's comments have generally been taken on board and the</i>	Completed

		<i>structure for OC5 has been amended</i>	
12/5/04 24	ALL	Clarify whether need to be a BMU to despatch frequency response (NGC believes not) <i>See New Action 18/6/04 3</i>	Completed
12/5/04 25	PH	NGC to consider taking forward discussion during meeting on minimum performance at the GCRP <i>Discussed on 18/6/04 but no conclusion reached. See New Action 18/6/04 3</i>	Completed
12/5/04 26	PH	Re-draft OC5 whilst considering implications under CUSC (who does testing and liabilities etc) and clarifying who OC5 applies to <i>(see New Action 18/6/04 4)</i>	Completed
12/5/04 27	ALL	Forward any comments on OC5 to PH	Completed
1/12/03 34	PH	Identify at what stage data is required <i>PH advised on 18/6/04 that this is part of Action 12/5/04 1 & 2</i>	Completed
1/12/03 37	PH	Draft text so that individual CC clauses are listed <i>PH noted on 18/6/04 that this is outstanding – see Action 12/5/04 12</i>	Completed
1/12/03 41	AB	Clarify minimum technical design criteria with respect to CC8 and licence exempt MPS <i>PH advised on 18/6/04 that this has been done in the drafting and in the BC3 Paper to be discussed</i>	Completed
1/12/03 46	PH	Identify requirements for testing and compliance so as to enable DNOs to consider the impact on the D Code <i>PH advised on 18/6/04 that this is covered in the redrafting of OC5</i>	Completed
1/12/03 56	GN	Review initial assumptions on the Scottish issues and BETTA and changes to the GB Grid Code	Not now required
14/10/03 20	PH	Identify mechanism for making link to DNOs and potential changes to CUSC to cover indemnity <i>PH advised on 18/6/04 that this should be clearer from the redrafting of OC5</i>	Completed
14/10/03 21	PH	Establish route for testing and compliance once identified what needs to be tested <i>PH advised on 18/6/04 that this should be clearer from the redrafting of OC5</i>	Completed