

Distribution Code Consultation Response Proforma

DCRP/21/01/PC: G98 / G99 Minor Technical Modification

Stakeholders are invited to respond to this consultation, expressing their views or providing any further evidence on any of the matters contained within the consultation document. Stakeholders are invited to supply the rationale for their responses to the set questions.

Please send your responses and comments by **17:00, 19th March 2021** to dcode@energynetworks.org and please title your email 'Consultation Response DCRP/20/06/PC DCode Storage Modification. Please note that any responses received after the deadline may not receive due consideration by the Working Group.

Any queries on the content of the consultation pro-forma should be addressed to DCode Administrator on 020 7706 5105, or to dcode@energynetworks.org

| | |
|--|--------------------|
| Respondent | Andy Green |
| Company Name | Baxi Heating UK |
| No. of DCode Stakeholders Represented | |
| Stakeholders represented | |
| Role of Respondent | Technical Director |
| We intend to publish the consultation responses on the DCode website. Do you agree to this response being published on the DCode website? [Y/N] | Y |

Distribution Code Consultation Response Proforma

| | Question | Response |
|----|---|--|
| Q1 | Do you agree with the general intent of the proposed modification? If not, please explain your views. | No, the intent of the document would cease the implementation of microCHP engines on to the network, with regards to the proposed disconnection function |
| Q2 | If you have any detailed comments on the proposed drafting, please provide those comments in the proforma provided, or by marking up the consultation drafts of G98 and/or G99. | Comments held within the Proforma |
| Q3 | Do you have any comments in respect of the inclusion of the references to cyber security. | Yes – see details in the Proforma |
| Q4 | Do you agree that the proposed modifications satisfy the applicable Distribution Code objectives? If not, please explain your concerns. | N/A |

Distribution Code Consultation Response Proforma

Please provide comments relating to the specific technical content of the proposed modifications¹

| Page / line No | Clause/ Subclause | Paragraph Figure/ Table | Type of comment (General/ Technical/Editorial) | COMMENTS | Proposed change | OBSERVATIONS OF THE SECRETARIAT on each comment submitted |
|----------------|-------------------|-------------------------|--|----------|---|---|
| | | 8.4.4 | | | We suggest to add the 1:1 replacement of an e.g. defect inverter by a spare part inverter with the same functionality as the old one, because the generator was certified to that as a hole. For this type of replacement no additional certification should be necessary. | Please add a text, so that a 1:1 replacement by a spare part with the same function a new certificate according to G 98 A6 is not required. |
| | | 9.3 | | | For some technologies, such as μ CHP up to 50 kW the droop function is due to its dynamic specification not performable by these generators. The randomized disconnection function provides a comparable droop by the population connected to the grid and contributes by this to the grid stability. To support the high efficient μ CHP technology and therefore to contribute to the CO ₂ reduction we ask to accept one of the proposed modifications to permit randomized disconnection | We suggest to add in 9.3.1, 1 st sentence „according to EN 50549-1” after “... reducing its Active Power output” Or add the following new clause 9.3.5 Alternatively for the droop function described above, the method of randomized disconnection according to EN 50549-1 is permitted |
| | | 9.4.1 | | | In Appendix 1, there is a reference to clauses of 9.4.2 and 9.4.3 but these references seems not to updated due to changes made in 9.4 | The 2 nd paragraph of 9.4.1 was originally 9.4.2. We assume that an unintended deletion of 9.4.2 has let to this error We suggest to make the 2 nd para of 9.4.1 to 9.4.2 as it was in Amendment 4 version. |

¹ Add more rows if required

Distribution Code Consultation Response Proforma

| Page / line No | Clause/ Subclause | Paragraph Figure/ Table | Type of comment (General/ Technical/Editorial) | COMMENTS | Proposed change | OBSERVATIONS OF THE SECRETARIAT on each comment submitted |
|----------------|-------------------|-------------------------|--|----------|--|---|
| | | 9.7.1 | | | <p>We are fully aware about the importance to have measures to avoid cyber-attacks, if those can happen due to the connection to the public communication network.</p> <p>From the viewpoint of the generator according to G98, where according to 9.4.2 the input port to cease active power within 5 s does not need to have a communications interface with the risk for a cyber-attack.</p> <p>Furthermore, the document to which is referred to in 9.7.1 “ENA and Department for Business, Energy and Industrial Strategy (BEIS) Distributed Energy Resources (DER) – Cyber Security Connection Guidance” is not applicable for Domestic DER, see 1.2 Scope 1st paragraph.</p> | We suggest to remove this paragraph or to make it clear that this clause is not applicable for the function as specified in 9.4.2 using a input port. |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |