**NOTES**

**ENA Electricity Networks and Futures Group**

**DER Technical Forum**

01 SEPTEMBER 2020, 1000 start

**Attendees by teleconference:**

|  |  |  |
| --- | --- | --- |
| **Name** | **Initial** | **Company** |
| Chris McCann | CMC | ENA |
| Andy Hood | AH | WPD |
| Hui Heng | HH | SSEN |
| Anuj Chhettri | AC | Northern Powergrid |
| Mike Kay | MK | ENA |
| Mark Dunk | MD | ENA |
| Mark Lyon | ML | SPEN |
| Lukasz Bochinski | TLB | UKPN |
| Tony Robinson | AR | TVR Instruments |
| Tim Ellingham | TE | RWE |
| Sarah Carter | SC | Ricardo |
| Tony Mason | TMn | Siemens |
| Dick Allen | DA | BHA |
| Richard Harrison | RH | Clarke Energy |
| Ian Wassman | IW | IPU |
| Ian Nicoll | IN | Qmulus Ltd |
| Steven Somerville | SS | SPE Electrical Ltd |
| Jason Kirrage | JK | Solar Edge |
| Kevin McCann | KM | Solar Trade |
| Steve Mockford | SM | GTC |
| Jason Brogden | JB | ENA (1st part) |

**Apologies:**

| **Name** | **Initial** | **Company** |
| --- | --- | --- |
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**ACTIONS LIST**

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| **No.** | **Detail** | **Leader** | **Date** | **Complete** |
| 1 | Publish previous minutes and provide link to new DCode location. | CMC | 04/09 | ✓ |
| 2.1 | Review the ON material and respond to the flexibility consultation. | All | 25/09 |  |
| 3.1 | Consider clarifying the Type Test Register in respect of Partial Type Test | ENA | 03/11 |  |
| 3.2 | Close issue 105 | MK | 04/09 | ✓ |
| 3.3 | Provide update on the status of VDE standards for LoM relays | AR | 03/11 |  |
| 4.1 | Investigate whether the responses to the Annex C.6 informal consultation can be circulated. | MK | 01/10 | ✓ |
| 4.2 | Continue investigation wrt load rejection simulation | SS/MK | Next meeting | ✓ |
| 4.3 | Close issues 96, 77, 103 and 104. | MK | 04/09 | ✓ |
| 6.1 | Consider if there are any additional modifications for next G99 amendment. | All | 03/11 |  |
| 8.1 | Finalise work on Type testing and G5/P28 compliance for next amendment | SC | Next amend-ment |  |
| 9.1 | Suggest further issues and stakeholder representation in respect of G100 modification | All | 01/10 |  |
| 9.2 | Close issues 90 and 102 (G100) | MK | 04/09 | ✓ |
| 10.1 | Arrange stakeholder session for Type Test database | MD | 01/10 | ✓ |
| 10.2 | Review Type test submissions and revert to ENA as required | JK/AR | 08/09 |  |
| 13.1 | Arrange next meeting. | CMC | 04/09 | ✓ |

**NOTES**

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| **Item** | **Focus** | **Leader** | **Date** |
| **1.** | **Previous minutes and TOR**  The previous minutes were approved. Approved minutes and slides for the meeting to be published on the DCode Website.  ENA will provide a link to the new location | CMC | 04/09/20 |
| **1.1** | Reference should be made to the DER Technical Forum Record of Issues log and the slide pack used during the meeting – “200901 ENA DER Tech Forum 200902.pptx |  |  |
| **2.** | **Introduction to Open Networks**  JB ran through the slides #4-13 in respect of the ENA Open Networks Project, and particularly on the development of flexibility services and automatic network management (ANM) schemes. Review of the material and response to the flexibility consultation would be appreciated – particularly on practical experience of implementing flexibility and ANM contracts. There is a webinar on 09 September – see slide 13 for details. | ALL | 25/09/20 |
| **3.** | **Review of recent Tech Forum Queries** |  |  |
| **3.1** | New issue (issue 105)  Some clarifications could be considered to the Type Test Register in respect of components, as opposed to complete power generating modules. The term fully type tested is related to the whole PGM; components can only be partially type tested.  The originator agreed that this could now be closed  AR will provide an update into the current status of BSI incorporating the VDE standards for loss of mains at next meeting. | ENA  MK  AR | 03/11/20  04/09/20  03/11/20 |
| **4** | **Review of previous Tech Forum Queries** |  |  |
| **4.1** | Issue 77. Annex C.6  The informal consultation resulted in 5 responses which will be taken account of in the proposed draft amendment.  This will be added to the G99 modification list.  MK will investigate whether the responses can be circulated.  The Forum agreed that issue 77 can be closed. | MK  MK | 01/10/20  04/09/20 |
| **4.2** | Issue 101. Load rejection simulation. This is currently under discussion between SS, ENA and NG ESO. Update to be provided at the next meeting. | SS/MK | 03/11 |
| **4.3** | Meeting agreed that issues 96, 103 and 104 can be closed | MK | 08/09/20 |
| **5** | **Operational communication protocols**  MD updated the group in respect of the work of the Strategic telecoms group who are aiming to document and align DNO requirements in this area by Spring 2021. There is a cyber security guide for DG connections under development.  The current applicability of the ANM guide will be considered in this respect. |  |  |
| **6** | **Next G99 amendment**  All to consider any additional modifications that could be included in the next amendment of G99. This will be an agenda item at the next meeting. | ALL | 03/11/20 |
| **7** | **Storage**  See update and Storage WG actions on slide #25.  *Post meeting note – MK forgot to mention that the ENA see it as desirable to try to combine the changes associated with storage to the G99 amendments in (6) above – ie to combine into a single consultation.* |  |  |
| **8** | **Power Quality and Type Testing**  A summary of draft clarifications that are proposed to G99 are detailed in slide #27. It was noted that it is the Generators Installation that has to comply with power quality requirements and that consideration of demonstration of compliance should not be left to the last minute.  The table will be finalised and used to inform the next G99 amendment. | SC | Next amend-ment |
| **9** | **G100**  Please see slide #28 in respect of commenting on the issues that should be considered and nominating stakeholder representatives to work with the DNOs on re drafting G100. It was noted that Chris Marsland has already expressed interest in being involved.  *Post meeting note – the ENA suggests that Issues 90 are 102 now closed as the issues will be picked up in the G100 review.* | ALL  MK | 01/10/20  04/09/20 |
| **10** | **Type Test database**  MD gave an update and outlined the 3 possible status: Awaiting assessment, Under assessment and Compliant.  MD to arrange a stakeholder session to cover this.  JK and AR to review their submissions and revert to MD as required. | MD  JK/AR | 01/10/20  08/09/20 |
| **11** | **Equipment Certificates**  Update as slide #30. |  |  |
| **12** | **AOB**  None |  |  |
| **13** | **Next meeting:**  Proposed 03/11/20. CMC to arrange | CMC | 08/09/20 |