

## Agenda

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|------------------------|------------------------------|
| <b>Meeting name</b>    | Grid Code Review Panel       |
| <b>Meeting number</b>  | 81                           |
| <b>Date of meeting</b> | 21 September 2016            |
| <b>Time</b>            | 10:00am - 3:00pm             |
| <b>Location</b>        | National Grid House, Warwick |

| Item | Topic   | Lead                                       | Action   | Documents                         |
|------|---|--|--|-----------------------------------|
| 1    | a) Introductions & Apologies  | JM   |  |                                   |
| 2    | Approval of Minutes<br>a) July 2016   | EB   | Agree  | pp16/62                           |
| 3    | Review of Actions<br>a) Summary of Actions  | RW   | Update   | pp16/61                           |
| 4    | New Grid Code Development Issues<br>a) Project TERRE implementation<br>b) Emergency Disconnection of Embedded Generation  | RJW<br>RJW                                 | Agree<br>Agree   | Update                            |
| 5    | Existing Grid Code Development Issues<br>a) GC0096: Storage<br>b) Relevant Electrical Standards   | RJW<br>RW/LF                               | Update<br>Update   |                                   |
| 6    | Workgroups in Progress<br>a) GC0036: Review of Harmonics Assessment Standards and Processes<br>b) GC0079: Frequency Changes during large disturbances and their effect on the total system (ROCOF)<br>c) GC0087: Frequency Aspects of RfG<br>d) GC0090: HVDC<br>e) GC0091: DCC<br>f) GC0095: TSOG | XZ<br>XZ<br><br>XZ<br>RW<br>RW<br>RW<br>XZ | Update<br>Update<br><br>Update<br>Update<br>Update<br>Update<br>Update | pp16/60                           |
| 7    | Workgroup Reports<br>None   |  |  |                                   |
| 8    | Industry Consultations<br>a) GC0048: RfG Banding Thresholds   | RJW  | Update   |                                   |
| 9    | Reports to Authority<br>a) GC0086: Open Governance<br>b) GC0077: Subsynchronous resonance   | RP<br>RJW                                  | Update<br>Update   |                                   |
| 10   | Progress Tracker  | RJW  | Note   |                                   |
| 11   | Pending Authority Decisions<br>a) GC0092 Models for Long Term Planning<br>b) GC0093: NISM naming  | RP<br>RP                                   | Update<br>Update   |                                   |
| 12   | Standing Items<br>a) European Network Codes<br>b) Joint European Stakeholder Group<br>c) Grid Code Development Forum<br>d) EBS – Development Proposal   | <br><br><br>RW<br>CM/ACD                   | <br><br><br>Update<br>Update   | pp16/59<br>pp16/58<br><br>pp16/56 |
| 13   | Impact of Other Code Modification or Developments<br>a) Codes Summary   | RP   | Note   | pp16/57                           |

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|-----------|-----------------------------------|----|
| <b>14</b> | Any Other Business                |    |
|           | a) Horizon Planning for Grid Code | EB |
|           | b) Housekeeping Modifications     | EB |
|           | c) CGR3                           | RP |

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**15** Next Meeting – 16 November 2016

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### Attendees

| Name              | Role   | Initials | Company               |
|-------------------|--|----------|-----------------------|
| John Martin       | Chair  | JM       | National Grid         |
| Ellen Bishop      | Technical Secretary                                | EB       | National Grid         |
| Gurpal Singh      | Authority Representative Member                    | GSH      | Ofgem                 |
| Andy Vaudin       | Large Generator (>3GW) Member                      | AV       | EDF Energy            |
| Campbell McDonald | Large Generator (>3GW) Member                      | CMD      | SSE                   |
| Guy Phillips      | Large Generator (>3GW) Member                      | GP       | Uniper                |
| Tom McCartan      | Externally Interconnected System Operators Member  | TM       | SONI                  |
| Philip Jenner     | Large Generator (<3GW) Member                      | PJ       | Horizon Nuclear Power |
| Guy Nicholson     | Generators with Novel Units Member                 | GN       | Element Power         |
| Steve Cox         | Network Operator (E&W) Member                      | SC       | ENW                   |
| Alan Creighton    | Network Operator (E&W) Member                      | AC       | Northern Powergrid    |
| Jim Barber        | Network Operator (Scotland) Member                 | JB       | SSE                   |
| Roddy Wilson      | Transmission Licensee (SHE Transmission) Alternate | RoW      | SHE Transmission      |
| Graeme Vincent    | Transmission Licensee (SP Transmission) Member     | GV       | Scottish Power        |
| Nick Rubin        | BSC Panel Member                                   | NR       | ELEXON                |
| Ryan Place        | Code Administrator Rep                             | RP       | National Grid         |
| Xiaoyao Zhou      | NGET Member  | XZ       | National Grid         |
| Rob Wilson        | NGET Member  | RW       | National Grid         |
| Tim Truscott      | NGET Member  | TKT      | National Grid         |
| Le Fu             | NGET Member  | LF       | National Grid         |
| <b>Alternates</b> |  |          |                       |
| Martin Queen      | Authority Representative Alternate                 | MQ       | Ofgem                 |
| Alastair Frew     | Large Generator (>3GW) Alternate                   | AF       | Scottish Power        |
| John Norbury      | Large Generator (>3GW) Alternate                   | JN       | RWE                   |
| Gordon Kelly      | Network Operator (Scotland) Alternate              | GK       | Scottish Power        |
| Lisa Water        | Generator (Small and/or Medium) Alternate          | LW       | Waters Wye            |
| Sigrid Bolik      | Generators with Novel Units Alternate              | SB       | Repower               |
| Richard Lowe      | Transmission Licensee (SHE Transmission) Member    | RL       | SHE Transmission      |
| Craig McTaggart   | Transmission Licensee (SP Transmission) Alternate  | CMt      | Scottish Power        |

### Apologies

| Name | Role | Initials | Company |
|------|------|----------|---------|
|------|------|----------|---------|