

Agenda

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| Meeting name | Grid Code Review Panel |
| Meeting number | 82 |
| Date of meeting | 16 November 2016 |
| Time | 10:00am - 3:00pm |
| Location | National Grid House, Warwick |

| Item | Topic | Lead | Action | Documents |
|------|--|-------|--|----------------|
| 1 | Introductions and Apologies | JM | Update | N/A |
| 2 | Approval of minutes | EB | Agree | PP16/63 and 64 |
| 3 | Review of actions | EB/RW | Update | PP16/65 |
| 4 | <u>New Grid Code Development Issues</u> | | | |
| a) | Project TERRE | RW | Paper | PP16/66 |
| 5 | Existing Grid Code Development Issues | | | |
| 6 | <u>Workgroups in Progress</u> | | | |
| a) | GC0079: Frequency Changes during large disturbances and their effect on the total system (ROCOF) | XZ | Update | |
| b) | GC0048: Requirements for Generators | RW | Update | |
| c) | GC0095: TSOG | RW | Update | |
| 7. | Workgroup Reports | | | |
| 8. | <u>Industry Consultations</u> | | | |
| a) | GC0048 RfG Voltage + Reactive | RW | Update | |
| b) | GC0087 RfG Frequency Response | XZ | Update | |
| 9 | <u>Reports to Authority</u> | | | |
| a) | GC0077 Subsynchronous resonance | RW | Update | |
| 10 | <u>Pending Authority Decisions</u> | | | |
| a) | GC0086 Open Governance | JM | Update | |
| 11 | <u>Standing Items</u> | | | |
| a) | European Network Codes | | | |
| b) | Code Summary | RW | | PP16/69 |
| c) | Joint European Steering Group | RW | Presentation | |
| d) | Grid Code Development Forum | | Update | PP16/67 |
| e) | EBS Update | ADC | Presentation | |
| 10 | Progress Tracker | EB | Update | PP16/68 |
| 11 | <u>Impact of other Code Modifications or Developments</u> | | | |
| 12 | <u>Any Other Business</u> | | | |
| 13 | Code Administration Update | RP | Presentation/Update | |
| 14 | Next meeting | EB | 18 th January 2017 (Please note: Papers Day is the 4 th January 2017) | |

| 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 |
| Steve Cox | Network Operator (E&W) Member | SC | ENW |
| Alan Creighton | Network Operator (E&W) Member | AC | Northern Powergrid |
| 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 |
| Alternates | | | |
| Martin Queen | Authority Representative Alternate | MQ | Ofgem |
| Alastair Frew | Large Generator (>3GW) Alternate | AF | Scottish Power |
| Tim Ellingham | Large Generator (>3GW) Alternate | TE | RWE |
| Gordon Kelly | Network Operator (Scotland) Alternate | GK | Scottish Power |
| Sigrid Bolik | Generators with Novel Units Alternate | SB | Repower |
| Apologies | | | |
| | Role | Initials | Company |
| 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 |
| Jim Barber | Network Operator (Scotland) Member | JB | SSE |
| Richard Lowe | Transmission Licensee (SHE Transmission) Member | RL | SHE Transmission |
| Craig McTaggart | Transmission Licensee (SP Transmission) Alternate | CMt | Scottish Power |
| Lisa Waters | Generator (Small and/or Medium) Alternate | LW | Waters Wye |