

G5/4 Review Group

A Joint GCRP/DCRP Working Group

Notes from 1st Working Group Meeting, 13 October 2010 Held at National Grid House Warwick

Present

John Greasley	National Grid (Chair)
Graham Stein	National Grid
Ertugrul Partal	National Grid
Neil Fitzsimons	Nexus
Darren Jones	ENW
Hamish Dallachy	SP
Geoff Brown	BEAMA (ABB)
Sarath Wijesinghe	RWE
Lionel MacKay	EDF Energy-Networks
Ahmed Shafiu	Seimens
Keith Hodson	E.oN
David Crawley	ENA
Simon Scarbro	WPD
Bridget Morgan	Ofgem
Alan Mason	REPower
John Morris	EdF
Alan Barlow	Magnox
Jim Morrell	CE-Electric
Christophe (?)	Network Rail
Roddy Mair (?)	Network Rail

Notes/actions from meeting

JG gave a brief recap of the initial meeting that had been held where a draft terms of reference for the WG were discussed and developed.

The ToR document that was subsequently agreed by the WG had been presented to both the GCRP and DCRP in September.

The panel meetings did not ask for changes to be made and the ToR were taken as approved.

EP gave a presentation on standards, reports and recommendations which highlighted how G5/4 used other (in some cases mandatory) documents as reference sources.

It was suggested that some of these other documents may have been updated since G5/4 was last changed and that it was necessary to bring G5/4 up to date with these changes. **ACTION: EP TO ASSESS WHAT CHANGES TO G5/4 ARE REQUIRED AS A DIRECT CONSEQUENCE OF CHANGES TO DOCUMENTS REFERENCED BY G5/4.**

The WG discussed the ToR and considered priority of the work. The following issues were discussed:

1) What is the most efficient place to install any required filtering?

Custom and practice results in filtering being specified to be installed at or near the Point of Common Coupling (PCC) by the connectee. It was suggested that this might not always be the most efficient solution and moreover it was suggested that it may not always be possible to filter out all pollution at the PCC.

G5/4 was considered to re-inforce this custom and practice because it was drafted as applied to customer connections. **ACTION: ALL TO CONSIDER THE VIABILITY OF ALTERNATIVE OPTIONS FOR FURTHER DISCUSSION AT THE NEXT MEETING.**

2) Monitoring

The WG considered monitoring of harmonics and noted the ongoing Harmonic Data Gathering Project.

The general feeling of the WG was that more proactive monitoring of harmonics would improve users confidence in the management of harmonics issues. **ACTION: JG TO CONSIDER HOW TO DEVELOP A RECOMMENDATION ON MONITORING STANDARDS AND PROCESSES.**

3) Allocation of rights

The WG considered how the rights to emit pollution were allocated and the current mechanism of 'first come first served'.

It was reported that there was international experience of different approaches. **ACTION: SS TO CIRCULATE INFORMATION RELATING TO EXPERIENCES IN AUSTRALIA.**

It was agreed to establish a subgroup to consider the issue in further detail and report back to the next meeting. The subgroup would:

- Establish a clear view of current practice in relation to allocation of rights both transmission and distribution
- Review and conduct a technical evaluation of 'Assessment Procedure before connection' and suggest what other downstream/upstream nodes (busbars) should be included and what others should be disregarded apart from the PCC (ie. 1 up, 1 down?)
- Suggest what needs to be considered with regards to 'defining harmonic voltage distortion limits beyond 50th and below 100th harmonic orders (apply 0.2% limit for all the harmonic orders at HV/EHV?)
- Assess any international experience

- Consider what different options are available and the pros/cons of each.

The subgroup would consist of DJ, EP, NF, SS and AS. **ACTION: subgroup to report back to next meeting.**

It was agreed that the WG would meet again mid-January 2011.

POST MEETING NOTE: Proposed date for next meeting is 19 January 2011