

Smart Meter Design Sub Group 1 (SMDSG1) – Meeting Note

Note of discussion and actions from SMDSG1 Meeting No. 2	From	Paul Newman (Technical secretariat)
	Date and time of Meeting	22 and 23 September 2010 10:00-16:00
	Location	BIS conference centre, 1 Victoria Street, London

1. Present

1.1. Ofgem – Adrian Rudd (Part), David Fletcher, Peter Morgan, Shaun Scullion, Paul Newman.

1.2. SMDSG1 members:

AMO	James Evans
BEAMA	Dave Robinson
British Gas	Andrew Pearson
EDF Energy	Bob Gibbs
ENA	Alan Creighton
Engage-consulting (ERA)	Alastair Manson
Eon-UK	Geoff Huckerby
ESTA	David Spalding
First Utility	David Wurtzler
Gemserv – 23 rd September	Anthony Campion
ICOSS	Andrew Green
Intellect UK	Chris Shire
RWE Npower	Gary Coverson
SBGI	Jeff Cooper
Scottish Power	Grahame Weir
SSE	Neil Green
Utilita – 22 nd September	Bob Loe
Utilita – 23 rd September	Phillip Michael Kettless

2. Apologies

2.1. SMDSG1 members:

Consumer Focus	
Good Energy	
Ofcom	

SMDSG1 – Day 1

3. Introductions

3.1. Round table introduction of each SMDSG1 member.

4. Technical assessment: Functional requirements

4.1. Ofgem led the major session of the meeting to review the remaining comments not covered from SMDSG1 meeting 1.

5. Technical assessment: Services

5.1. Ofgem led this session of the meeting to review the services catalogue.

5.2. The group felt that there needed to be substantive changes to the log. Comments from the group included:

- Like to see batch jobs of services.
- Names to be clear and unambiguous.
- Should be request from requestor rather than from DCC.
- Whose requirements are they?
- Doesn't talk about what happens to request beyond DCC?
- Mapping of services to functional requirements.

6. Any other business

6.1. None

SMDSG1 – Day 2

7. Review of actions

7.1. Actions from SMDSG1 meeting 1 were reviewed. Completed actions were confirmed and new deadlines were set for outstanding actions.

8. Presentations

8.1. Data log items – ENA led a sanity check on the ENA / ERA data log items document. Comments were incorporated into the document and will be circulated around the group.

8.2. Temperature monitoring and alerts at meter terminals. The group debated this functionality and some viewed that it could be useful (e.g. in detecting overloads). Group asked that this potential functional requirement be put to TISG for their view.

8.3. Last gasp – ENA initiated a discussion on 'last gasp' by presenting their own Cost Benefit Analysis (CBA) work on that functionality. The group provided a wider Industry view on the ENA CBA work but were unable to reach a consensus on the inclusion of last gasp in any minimum functional specification but did agree the following points:

- The Group accepted ERA/ENA CBA analysis as valid.
- The group thought that Ofgem should re-visit this functionality with consumer groups and, following that, the Group might resume its deliberations, including any new options to realise the consumer benefit.
- If last gasp was included and implemented as a functional requirement in such a way that it also captured auto-reclose events then there was a real risk that the network might be swamped with spurious alert messages.
- That Ofgem should take the Group's view on last gasp to SMDG for their consideration and steer.

8.4. ENA presented their own (ENA/ERA) list of meter data logging / diagnostic items for Group discussion.

8.5. A proposed revised wording for functional requirement DI.1.

8.6. The Group reviewed the data item list (1 above) item by item, agreeing additions, deletions compositons and amendments to items line by line and with supporting justifications. ENA took an action to revise the list as agreed and re-circulate to the Group. The Group did unanimously agree that it *was* necessary to define the meter data items or at least to have some translation mechanism which would enable an acceptable level of meter uniformity and interoperability but there was *no* consensus on the requirement to hold 12 months of data in the meter.

8.7. BEAMA led a discussion on (Smart) meter power consumption, offering a revised wording for functional requirement OP.4. The Group generally agreed that, given their educated assumptions of the legacy infrastructure power consumption (average approx 2W across the piste), that OP.4 should not on the face of it prove too problematic however, more work was required in a number of areas to validate the Group's assumptions on the legacy situation (actions below) and on 'SM Comms' which was a major and (presently) unquantifiable power-consuming element.

8.8. BEAMA raised a point about the Quantum meter, i.e that they believed field experience showed it to be functionally over-specified evidenced by the amount of functionality that was not, or little, used by consumers.

9. SMDG deliverable planning

9.1. The group discussed and decided the format and broad content of the Group's report to the next SMDG (28 Sep). They also decided that Dave Robinson of BEAMA would present the group's report to SMDG.

10. Any other business

10.1. None

11. Meeting 3 agenda items

11.1. Strawman of technical specifications – Members to come prepared to discuss.

12. Issues

12.1. No new material issues were raised.

13. Actions

Provide gas meter data on analytics and its impact on mid	SBGI
IM.6 – Define components, modules, field-exchangeable in the narrative	Ofgem
ES.10 – Circulate paper on experience in Victoria state, Australia for consideration on power quality data items.	Utilita
IH.2 – Circulate a cost (BEAMA if within £15) / benefit (ENA) analysis on options for messaging functionality	ENA / BEAMA
Circulate Utility robust HAN document	Ofgem
Rewording for new requirement and checking of limits on gas flow for reablement of supply	ERA & SBGI
Check Statement Of Design Requirements do not exclude current data logging systems in the SME	ESTA

market.	
Circulate amended data log items document and meter data items	ENA
Confirm and circulate SMDSG1 meeting dates	Ofgem
Circulate last gasp presentation	ENA
Confirm with Consumer Focus consumer expectation/perspective of last gasp functionality	Ofgem
Circulate meter power consumption presentation	Ofgem
Confirm the baseline meter power consumption	BEAMA
Rewording of OP.4	BEAMA
Check if EDRP are happy for the group to use their trials to analyse power consumption of different Comms solutions	Ofgem & BEAMA
Write and circulate a document on HAN services	ERA (Time scale TBC)

14. Date of next meeting

30th September 2010 – 10:00-16:00, PA Consulting, 123 Buckingham Palace Road, London.