

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

Note of discussion and actions
from SMDSG1 Meeting No. 14a

From
Date and time of
Meeting
Location

Paul Newman
20th December 2010
10:00-14:00
Gemserv, 10
Fenchurch St.
London EC3

1. Present

1.1. Ofgem – David Fletcher, Shaun Scullion.

1.2. SMDSG1 members:

BEAMA	Dave Robinson	
British Gas	Gareth Williams	
ENA	Alan Creighton	
Engage-consulting (ERA)	Simon Harrison	A.m. only.
Engage-consulting (ERA)	Alistair Manson	
ESTA	David Spalding	On conference call
SBGI	Jeff Cooper	
E.ON	Geoff Huckerby	
RWE npower	Gary Coverson	
EDF Energy	Nick Slocombe	
SSE	Neil Green	
Scottish Power	Grahame Weir	
Sarah Gratte	Gemserv	

Apologies

1.3. Peter Morgan, Ofgem.

1.4. SMDSG1 members:

Utilita	
Consumer Focus	
AMO	
Gemserv	
Ofcom	
First Utility	
ICoSS	
IntellectUK	

2. Introductions

2.1. None required.

3. Review of actions

3.1. Actions from meeting 14.

To raise with CAG the EDFE question re whether the SoDR should specifically state that the IHD will display the meter register (i.e. that consumers should have the facility to see their meter reading at the IHD)	Ofgem	Pending.
BEAMA / SBGI to solicit their members with a view to quantifying (via a cost range) the additional cost of providing the level of tariff complexity illustrated in BG's paper. Subsequently to provide that quantification to SG1 (note: <i>after</i> the updated BG paper is made available).	SBGI / BEAMA	Completed.
(Re OP.5) to see if this can be clarified by reviewing EN62054-21 and reporting back to SG1.	SBGI / BEAMA	Completed. See section 3.2.
To distribute the Use Case slides presented at SG14 and the STEG slides on SMIP Interfaces and High-level Architecture to SG1	ERA	Completed.
To clarify whether there might be further consultation on the group's revised Functional Requirements (SoDR Appendix 2) before July.	Ofgem	Outstanding.
To provide advance notice to BSI Convenors in preparation for the review of the group's Normative references document.	ERA	Completed.
To distribute all (11) SG3 papers to the SMDG to SG1.	Ofgem	Completed.
To review and provide comments to Ofgem on the SMDG risks and issues register.	SG1	Completed.
To provide to ERA any thoughts on the risks and issues section of the Detailed Design Requirements PID.	SG1	Completed.
To provide SMDG with an early sight of the group's deliverable 4 - <i>SMDG Detailed Design Requirements PID 0_4.doc</i>. All SG1 to brief their SMDG rep in advance.	Ofgem / SG1	Completed.
Distribute the General Electric White Paper on	Ofgem	Completed.

HAN solutions to SG1		
Insert the Evaluation Criteria table into the HAN selection paper (as an Appendix) to SMDG	ERA	Completed.
Summarise the implications of the 11 SG3 docs on the tech spec delivery for a paragraph/table in the PID (e.g. the “so what”)	BG	Completed. See Section 3.4.
To provide a ‘Strawman’ document providing an initial view of potential documentation required to deliver the Product Description for Interoperable Component Requirements and Defined Options as referenced by the PID.	SBGI	On meeting 14a agenda item 4.

3.2. Regarding an action from meeting 14, BEAMA and SBGI were asked to look at the requirement wording and narrative related to OP.5 within the Functional Requirements Catalogue and consider to whether this was in line with today’s and future manufacturing practice and standards. BEAMA and SBGI recommended that requirement OP.5 be reworded as follows:

Requirement	The smart metering system time shall be accurate to within 20 seconds of UTC and monitored within limits by remote communications. The clock shall be synchronised sufficiently often to ensure that the deviation from UTC is not greater than 20 seconds.
ID	OP.5
Narrative	This consistent with requirement from COP 10 under the BSC (completion of each Demand Period shall be at a time which is within ± 20 seconds of UTC) and may be modified to fall in line with EN 62054-31 or EN 62055-21 in the final Technical Specification.
Justification	High-level list A
Domestic/Non-domestic	D/ND
Change/Reason	Changed

3.3. Given that, at this point, uncertainty over GB smart metering communications standards remained and with the proviso that there would remain an opportunity to fix a time standard in the Final Technical Specification the group accepted BEAMA and SBGI’s proposal for OP.5.

3.4. Regarding an action from meeting 14 BG were asked to summarise the implications of the 11 SG3 docs on the tech spec delivery for a paragraph/table in the PID (e.g. the “so what”). BG reported that their examination of the documents revealed no specific points that they believed warranted inclusion in the PID document, but there were, they believed, some points for worthwhile capture and inclusion in the detailed design requirements. The group accepted BG’s position save for the ENA, who took an action to highlight to the group those points that they believed warranted capture and referencing by SG1.

4. SBGI 'Strawman' - Defined Options for Tech Interoperability.

- 4.1. Regarding their action from meeting 14, SBGI presented their 'Straw man' document for the PID reference for Interoperable Functional Components and Defined Options (document: "*SMDG SG1 Defined Options for Tech Interop 20101216.docx*"). The document was an initial draft for discussion and further development to get it to a suitable document to back up the PID.
- 4.2. The group was content with SBGI's initial draft, accepting that it required further development. There was some discussion within the group, prompted by feedback from the last SMDG meeting on 16th Dec on the draft PID, around the ongoing issue of the lack of consumer group representation at SG1 and therefore the prospect of late challenges to the group's output by consumer groups. The group had previously escalated this issue to SMDG, who were well aware of it, and did not feel the need to do so again.

5. Review delivering detailed design requirements deliverable

- 5.1. The Group further reviewed the draft Product Initiation Document (PID) for the group's fourth deliverable "Draft outline proposals for format and scope of technical specifications" (document: "*SMDG Detailed Design Requirements PID 0_5.doc*").
- 5.2. BG volunteered to revise the document in line with the group's more specific comments (in the absence of ERA's SH who left the meeting to attend a joint DCG / SMDG meeting) and would forward to SH of ERA to add more generic amendments on, e.g. resources, consumer engagement, and EU engagement in line with feedback on the document from the last SMDG.

6. PPM and disablement/enablement

- 6.1. The group discussed an issue raised by SSE at SMDG around a scenario where a PPM *meter* has run out of credit and has disconnected.
- 6.2. The group discussed the issue concluding that it was related to PPM issues previously discussed both in SG1 and SG3 with no firm conclusions reached by either group on those occasions. SG1 proposed that the issue be returned to SMDG with the group's recommendation that a formal and professional risk assessment on the issue be carried out. The SSE representative on SG1 volunteered to write a short paper to SMDG articulating the issue and the group's proposal. The group accepted SSE's offer.

7. HAN Use Case workshops progress

- 7.1. ERA presented their paper providing a view of the Use Cases proposed to be developed by SMDG. ERA also reported back from the UC workshops currently taking place under their auspices:
 - Excellent progress, with good outputs, contribution and methods so far in ERA's view and that view is shared by participants;
 - 6 workshops held in the last 3 weeks and, so far, 6 of 21 UC's done (which represents about 20-25% of the timeline for this work in the draft PID);
 - Plan to hold a number of workshops every 3 weeks and then report to SG1. So far the first '3- week' chunk is completed with three further 3-week chunks planned to complete the work;
 - Lessons so far: need to plan the work well; commitment levels so far have been good but this must be maintained; small workshops with the right mix of

representatives work best, so attendance must be managed well; need to control review (comments) rounds.

7.2. The group thanked ERA for their work on the Use Cases and the progress report which was well-received. The group asked when the UC’s would start to be mapped against the data table items produced by BG, noting that that piece of work was documented in the Product Description for the Use Cases & Operational Interoperability Processes. The group took the view that the mapping of UC’s to data items could start once an initial batch of UC’s was fully completed.

8. Any other business

8.1. (EDFE). EDFE raised a question for the group: *“In the event a Meter Operator has to visit a smart meter do we envisage that the operative on site would be capable of doing any function which can also be done remotely i.e. downloading firmware, taking a reading, updating credit for instance. Or is it envisaged that any problems on site will simply be accommodated via a meter swap out?”*

8.2. The group’s view, following a short discussion, was that the capabilities of an on-site Engineer would be determined by the particular security regime in force, i.e. if the Engineer was properly authorised and any devices employed (e.g. handheld devices) properly authenticated then the group did not see any barriers to allowing Engineers that capability.

8.3. (BG). BG requested that the next group meeting devote an agenda item to detailed planning of the work of the specialist sub-groups as proposed in the PID. The group endorsed this.

8.4. Non-dom and other mainstream issues. None other than those covered in the meeting.

9. Review of actions from meeting today

9.1. Actions carried forward

To raise with CAG the EDFE question re whether the SoDR should specifically state that the IHD will display the meter register (i.e. that consumers should have the facility to see their meter reading at the IHD)	Ofgem	Pending.
To clarify whether there might be further consultation on the group’s revised Functional Requirements (SoDR Appendix 2) before July.	Ofgem	Outstanding.

9.2. Meeting actions

To highlight to SG1 the points from the 11 SG3 subject documents that they believe SG1 should capture.	ERA	22/12/10
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To make amendments to the PID "Draft outline proposals for format and scope of technical specifications" and send to ERA for further amendments. ERA to make further amendments.	BG / ERA	23/12/10
To write a short paper to SMDG on the issue of 'where a PPM meter has run out of credit and has disconnected' for SMDG with the SG1 proposal for a formal risk assessment (for review by SG1 first).	SSE	6/1/11
To provide comments back to ERA on the Use Cases document presented at meeting 14a.	SG1	6/1/10
To provide time at SG1 meeting 14b for detailed work planning (for the PID Sub-Groups)	Ofgem	12/1/10
To have a discussion with BG and Ofgem on the 'thick / thin meter?' question arising from the interoperability paper.	SBGI	31/12/10

10. Risks & issues

10.1. Not covered.

11. Review of meeting

11.1. Ofgem apologised to the group that the meeting clashed with that afternoon's first SMDG / DCG joint meeting over at Ofgem. (Simon Harrison of ERA attended that meeting in the afternoon).

11.2. Ofgem also thanked all who attended the meeting in the face of the adverse weather conditions and, at this last meeting of 2010, thanked all members of the group for their attendance and contributions to SG1's work since September.

12. Date of next meeting

12.1. Wednesday 12th January 2011 – 10:00-16:00 – PA Consulting, 123 Buckingham Palace Road, London SW1.