

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

Note of discussion and actions from SMDSG1 Meeting No. 5	From	Paul Newman (Technical secretariat)
	Date and time of Meeting	06 October 2010 10:00-16:00
	Location	The Space Centre, London

1. Present

1.1. Ofgem – Peter Morgan, Paul Newman.

1.2. SMDSG1 members:

AMO	James Evans
BEAMA	Dave Robinson
British Gas	Gareth Williams
EDF Energy	Bob Gibbs
ENA	Alan Creighton
Engage-consulting (ERA)	Simon Harrison
Eon-UK	Geoff Huckerby
ESTA	David Spalding
First Utility	David Wurtzler
Intellect UK	Chris Shire
RWE Npower	Gary Coverson
SBGI	Jeff Cooper
Scottish Power	Grahame Wier
SSE	Neil Green
Utilita	Phil Ketless

1.3. SMDSG1 members:

Consumer Focus	
Gemserv	
Good Energy	
ICoSS	
Ofcom	

2. Introductions

2.1. Round table introductions from each member.

3. Review of actions

3.1. Papers and actions from the last meeting were discussed. The actions due for this meeting were presented to the group as papers and will be published. Please refer to the last meeting note for details.

4. Review of previous action items

- 4.1. BG had an action to produce a paper on Last gasp. This paper will be circulated in advance of next meeting.
- 4.2. SP was asked to present a paper on Local data storage. The scope and objectives of the paper were clarified. The group discussed the two different options for data storage – Option 1 being something that is not future proofed but will work now – Options 2 & 3 being fully future proofed so that it includes all features that may be needed in 15 years (the word channel has been used to reference a flow of data rather than any other definition). For gas and electricity where applicable and making no assumptions as to whether the data storage is in the meter or WAN module.

- Option 1 - Single channel, 13 months storage of half hour import only kWh data.
- Option 2 – Four channels, 13 month half hour import / export kWh / kVarh data.
- Option 3 – Six channels, Option 2 plus generation kWh / kVarh.

Evaluation criteria for each option:

- Cost (incremental cost above IA)
- Accessibility (time to download entire data set locally over Zigbee and Mbus)
- Security (Pros and Cons of local data storage)
- Issues (e.g. gas specific, alternative ways of future proofing etc)

- 4.3. The output of this analysis will be used for the SMDG paper and for informed discussions with consumer groups.
- 4.4. SP will look to continue its analysis of the data storage options with input from ERA, ENA, BG and SBGI.
- 4.5. ERA presented scoping slides on load limiting which will be published alongside this meeting note. These slides were discussed and will then be used to produce an SMDG paper for consideration.
- 4.6. SBGI presented a spreadsheet outlining where the functionality described in the Functional requirements (Prospectus version) could be delivered within the SMS. SBGI will produce a summary which will highlight any suggestions for the functional requirements / technical specification.
- 4.7. The group proposed that the Welsh language requirement should be removed from the Functional requirements catalogue on the basis that it is not a legal requirement, that they already cater for different languages and that they will continue to do so.

5. Technical specification questionnaire submissions so far

- 5.1. Two early submissions were discussed. It was noted that these had not been submitted in the issued questionnaire format.

6. Any other business

- 6.1. HAN workshop – ERA and BEAMA (who are leading on this activity) are putting together a structure / agenda for the HAN workshop and will circulate it to the group

before the next SMDG meeting. There was a desire for the suggested workshop date to be brought forward. This will be proposed at the next SMDG meeting.

- 6.2. DCG Prepayment workshop 14th October – BEAMA suggested to the group that SMS technology suppliers should have been represented at the workshop. As a minimum feedback form the workshop will be required.
- 6.3. EDFE discussed that IEC61010 (Switches before meters) was being ratified by CENELEC in the coming months. There is a concern that this may be a standard that no one adheres to.

7. Review of actions

7.1. The actions from the meeting were discussed and agreed as shown below.

8. Review of meeting

8.1. The group felt that the meeting was well run and had met its objectives.

9. Actions

Circulate ERA paper on HAN use cases	ERA	20th October
Find out when consultation response information can be discussed with SMDG	Ofgem	20th October
Data storage –SP – coordination and summary Data storage – ENA – data storage size Data storage – BEAMA - Costs Data storage - SBGI – HAN transfer rates Data storage – BG – security Data storage – SBGI – Issues e.g. Gas exceptions	SP	27th October (security may be earlier)
Clarification of what happens in France around load limiting	EDFE	20th October
Load limiting - Produce a paper for discussion at SMDG	ERA	21st October
Circulate tech spec questionnaires when received	Ofgem	22nd October
Circulate HAN workshop agenda	ERA	15th October
Make sure DCG are aware that SMDG would like to attend meetings that will affect SM design.	Ofgem	20th October
Get DCG briefing from prepayment workshop at next SMDSG1 meeting	Ofgem	20th October

Load limiting on a key pad meter presentation (possible feed into ERA paper)	Utilta	20th October
Summary of the functionality spreadsheet	SBGI	20th October
SMDG AOB – Can we bring HAN workshop forward	Ofgem	21st October

10. Date of next meeting

20th October 2010 – 10:00-16:00 – Ofgem, 9 Millbank, London, SW1P 3GE