

Smart Meter Design Sub Group 3 (SMDSG3) – Meeting #5 Note

Note of discussion and actions from SMDSG3 Meeting No. 5	From Date and time of Meeting Location	Shaun Scullion 01 November 2010 10:00-16:00 Ofgem
--	--	--

1. Present

1.1. Ofgem –Janet Townsend-Stojic, Peter Morgan, Shaun Scullion

1.2. SMDSG3 members:

British Gas	Gareth Williams
EDF Energy	Nick Slocombe
BEAMA	John Parsons
Engage-consulting (ERA)	Simon Harrison
Eon-UK	Mark Roberts
ESTA	Tony Taylor
ICoSS	Steve Mulinganie
Intellect UK	Phil Brunkard
RWE Npower	Bob Dryden
ENA	Paul Smith
SSE	Andrew Monks
Utilita	Phil Kettless
Scottish Power	Graham Smith
SBGI	Colin Aldworth
Gemserv	Anthony Campion
AMO	Ian Dobson

2. Apologies

2.1. SMDSG3 members:

Consumer Focus	
First Utility	
Good Energy	
Ofcom	

3. Introductions

3.1. Round table introduction of each SMDSG3 member.

4. Review of previous actions

Confirm if LPG / oil meters are in scope?	Ofgem have passed to their Markets section to provide a statement (w/c 25 Oct).
--	--

Flood alerts using teleswitch service – Follow up issue with network companies / DEFRA	Completed. (Paul Smith ENA) DEFRA do use the RTS signal for flood management but to PS knowledge (and to that of other staff in the ENA) there are no other non- industry groups using the signal at this time.
Options for inaccessible / hard to reach site locations (flats)	Will go forward to the HAN Workshop 19 Nov.
Discuss with BRE what can be done regarding housing design standards and their impact on SMS	Ofgem. Work started but ongoing.
Check prevalence and remedial costs associated with semi concealed installations due to risk of water damage (e.g. top hat solutions)	Not complete. OnStream (BB)to send round by 05 Nov.
Collect and collate membership views on the variant meters (twin-elements and 3-phase as well as a 2A auxiliary switch) and report back to SG3.	ERA. This is an action for ERA members, though Scottish Power gave some approximations for SP and ManWeb.
Locate and distribute to SG3 any previous Ofgem data on the prevalence of variant meters (twin-elements and 3-phase as well as a 2A auxiliary switch).	Ofgem. No data located within Ofgem as yet.
Amend the “Variants Analysis” table column H to include prevalence and usage of the variant meters (twin-elements and 3-phase as well as a 2A auxiliary switch) to include no. of switches and whether internal or external switches.	Ofgem. Completed. SG3 to provide feedback on column H.
Produce an analysis of the ‘do nothing’ option for the provision of load management functionality in SMs.	ENA with BEAMA (JP) & SBGI (CA) to circulate the analysis
Raise with SG2 issue of: ‘If both HAN & Wan fail and there is no access to the meter – would an engineer be sent on H&S grounds?’	Ofgem. To raise at SG2 meeting 4 – 3 Nov.
Raise with SG2 the issue of: ‘In the case of	Ofgem. To raise at SG2

meter battery failure, should the supply be disabled? I.e. who controls the off-switch'?	meeting 4 – 3 Nov.
Provide to Ofgem any good examples of SM solutions for multi-occupancy buildings.	All SG3. No responses so far. SBGI offered wired MBUS as one solution.

5. Review of SG3 deliverable 1

5.1. Ofgem led a detailed review of the draft deliverable 1 “Technical Issues Related to Smart Metering Design” (v2). As a result of group feedback, Ofgem will re-draft the deliverable to v3 and redistribute to the group for final comments to Ofgem by cop 4th Nov. The draft deliverable will then go forward to SMDG on 11 Nov.

6. Discussion on deliverable 2 (Pilot Trials)

6.1. Ofgem facilitated the discussion, and the group provided their early thoughts on SG3 deliverable 2 – “Draft Priority areas for pilot trials identified with defined approach”.

6.2. General points and particular priority areas that may lend themselves to trialling:

- What is the approach to the trials? Need early definition
- HAN – test out technology options
 - Care in defining the regime
 - Siemens HAN experience
 - Use cases to include microgen
- Smart contactor (where it exists)
- Smart Meter variants
 - List of solutions
 - Proof of concepts
 - Future types of deployment
- Consumer
 - ‘two (meter) buttons’
 - User tests / *user types (*encompassing vulnerable groups)
- Micro-generation
 - Is just HAN support
- Battery

- Ageing criteria – accelerated tests
- Validating the Business Case
 - Functional use-cases
- Installation process
 - Upgrade / faults
 - Install gas first / two suppliers
- IHD
 - Understand customer perspective (limit to minimum)
 - Customer expectations of acceptable minimum
- Talking to the Network
 - Needs technology in place
- Co-operative working
 - Working with disparate parties in the function chain
 - Interoperability trial
 - Data transfer in the interim world
- Approach
 - We don't know – these can be done sooner
 - Do the (SMS) elements work as expected?
- HAN
 - who would authorise trials? Budget?
 - scale / indicative cost
 - real / simulation?
- Impact on rollout
 - May not conform

7. Review of actions from meeting today

7.1. Actions carried forward.

Confirm if LPG / oil meters are in scope?	Ofgem have passed to their Markets section to provide a
--	--

	statement (w/c 25 Oct).
Flood alerts using teleswitch service – Follow up issue with network companies / DEFRA	Completed. (Paul Smith ERA) DEFRA do use the RTS signal for flood management but to PS knowledge (and to that of other staff in the ENA) there are no other non- industry groups using the signal at this time.
Options for inaccessible / hard to reach site locations (flats)	Will go forward to the HAN Workshop 19 Nov..
Discuss with BRE what can be done regarding housing design standards and their impact on SMS	Ofgem. Work started but ongoing.
Check prevalence and remedial costs associated with semi concealed installations due to risk of water damage (e.g. top hat solutions)	Not complete. OnStream (BB)to send round by 05 Nov.
Collect and collate membership views on the variant meters (twin-elements and 3-phase as well as a 2A auxiliary switch) and report back to SG3.	ERA. This is an action for ERA members, though Scottish Power gave some approximations for SP and ManWeb.
Locate and distribute to SG3 any previous Ofgem data on the prevalence of variant meters (twin-elements and 3-phase as well as a 2A auxiliary switch).	Ofgem. No data located within Ofgem as yet.
Amend the “Variants Analysis” table column H to include prevalence and usage of the variant meters (twin-elements and 3-phase as well as a 2A auxiliary switch) to include no. of switches and whether internal or external switches.	Ofgem. Completed. SG3 to provide feedback on column H.
Produce an analysis of the ‘do nothing’ option for the provision of load management functionality in SMs.	ENA with BEAMA (JP) & SBGI (CA) to circulate the analysis
Raise with SG2 issue of: ‘If both HAN & Wan fail and there is no access to the meter – would an engineer be sent on H&S grounds?’	Ofgem. To raise at SG2 meeting 4 – 3 Nov.

Raise with SG2 the issue of: 'In the case of meter battery failure, should the supply be disabled? I.e. who controls the off-switch'?	Ofgem. To raise at SG2 meeting 4 – 3 Nov.
Provide to Ofgem any good examples of SM solutions for multi-occupancy buildings.	All SG3. No responses so far. SBGI offered wired MBUS as one solution.

7.2. New actions

Action	By	Due
To provide data for an additional column on Pulse Availability in Non Domestic Metering for Appendix A of the SG3 Deliverable 1 paper	ICoSS (SM)	05/11/10 (Sent to SMDG mailbox 2 Nov).
To provide an analysis of the potential error in Appendix A of the SG3 Deliverable 1 paper	SSE (AM)	05/11/10
To add to Appendix B Table 3 of the SG3 Deliverable 1 paper: -how the 'top 6' issues were distilled from an original top 8 -the SG's proposals to deal with the remainder (44) issues of the full '50 list'.	Ofgem	05/11/10
To re-examine the remainder (44) issues of the full '50 list' and decide if any further actions, not covered in the deliverable paper, are required to address any or all of these issues.	All SG3	08/11/10
To amend the SG3 deliverable 1 paper v2 with comments from SG3 meeting 5 and redistribute to SG3.	Ofgem	Amended paper sent 1 Nov.
To share with SG3 Siemen's experience with HANs.	SBGI (CA)	05/11/10
To solicit other Expert and Sub-Group views on what SMS technology trials they might like to see and report back to SG3.	Ofgem	12/11/10

To distribute a paper to SG3 on proposals for HAN trial(s).	ERA (SH)	12/11/10
To distribute to SG3 a paper on HAN Use Cases and requirements from SG1.	Ofgem	10/11/10
To add AOB to next SMDG – ‘Funding for trials’.	Ofgem	08/11/10
Raise with DECC the ERA’s previous correspondence to DECC on the SM ‘Vision’ - seeking a DECC response.	Ofgem	15/11/10

8. Risks and issues

- 8.1. Group believed there was an issue on funding (of trials). An action for Ofgem was taken – see actions.
- 8.2. The group believed there was an issue of a lack of clarity of potential load-management scenarios. ENA with BEAMA (JP) & SBGI (CA) agreed to review the issue (see actions)
- 8.3. The group believed there was an issue that DECC had not published its vision for a UK Smart Grid and this added uncertainty to the SM programme. Ofgem took an action – see actions.

9. Any other business

- 9.1. ENA asked for a volunteer speaker to represent SG3 at the HAN Workshop on 19th Nov. EDFE (NS) was nominated and accepted.

10. Review of meeting

- 10.1. The group were pleased with the deliverable review (Item 5).
- 10.2. The group found the short session on deliverable 2 (Item 6) useful.
- 10.3. The group thought it important to secure a direction from SMDG on deliverable 2.

11. Date of next meeting

- 11.1. Monday 15th November 2010 – 10:00-16:00, PA Consulting, Buckingham Palace Road, Victoria, London SW1.