

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

Note of discussion and actions from SMDSG1 Meeting No. 8

From  
Date and time of Meeting  
Location

Paul Newman  
3 November 2010  
10:00-16:00  
Ofgem London SW1

### 1. Present

1.1. Ofgem – Peter Morgan, David Fletcher, 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
Gemserv	Anthony Campion
ICoSS	Andrew Green
Intellect UK	Chris Shire
RWE Npower	Gary Coverson
SBGI	Jeff Cooper
Scottish Power	Grahame Weir
SSE	Neil Green
Utilita	Phil Kettless

### 2. Apologies

2.1. SMDSG1 members:

Consumer Focus	
First Utility	
Good Energy	
Ofcom	

### 3. Introductions

3.1. None required.

#### 4. Review of actions

<b>Bring prepared comments to next SG1 meeting on 'last gasp at the meter' with a view to that meeting composing and proposing a narrative to support a paper to SMDG.</b>	<b>Narrative was presented and amended by the group</b>
<b>To distribute to SG1 a short positional piece on Welsh Language accommodation. i.e., '...all options would add cost and it should be classed as a variant and dealt with as currently...'</b>	<b>Piece was presented to the group</b>
<b>To pull together all the SG1 submissions on IHD messaging (costs, benefits etc) in a summary paper and send to SG1</b>	<b>BEAMA</b>
<b>To send to SG1 fault descriptions from Zigbee and DLMS</b>	<b>SBGI, ESTA – To be circulated by next meeting</b>
<b>To send the Z-Wave presentation (tech spec) to SG1</b>	<b>Ofgem – To be circulated</b>
<b>Provide a view as to what the functional requirements deliverable for December should look like and what the next "specification" documents should look like with associated time line</b>	<b>All SG1</b>
<b>Draft a summary of the Technical Specification Questionnaire review and distribute to SG1</b>	<b>Ofgem - Completed</b>

#### 5. Review of previous action items:

- 5.1. Welsh language – SSE discussed their findings on requirements for welsh language in the SMS. It was discussed that there was no legal requirement at the moment although this issue is going through the welsh assembly and may be subject to change. The group proposed that it should be considered as a variant in the functional requirements. Ofgem will look to rephrase the requirement to convey the groups thoughts.
- 5.2. Last gasp summary – BG has proposed some text for last gasp. This was discussed amongst the group and amendments made live which will be reviewed at the next meeting
- 5.3. Data storage summary – SP circulated and presented a paper on data storage. This was discussed amongst the group and amendments will be made by SP and recirculated.

- 5.4. Load limit summary – this was not discussed (overlooked by Chair) and will be covered in the next meeting
- 5.5. IHD variants – this was not ready to be discussed and will be covered in the next meeting
- 5.6. ERA highlighted that the functional requirements did not cover a base graphical user interface (GUI) for the meter. This could be useful for fault finding and maintenance where the consumer is on the phone their supplier being asked about items on the meter display. There was a general feeling in the group that a detailed standard GUI could stifle innovation but that a base level GUI (extending to no more than a handful of data items) could be useful. It was proposed that this should be considered for inclusion in the updated functional requirements.

## **6. Review of SMDSG1 #2 deliverable**

- 6.1. The group discussed the draft SMDSG1 deliverable 2 which had been circulated. Amendments to the paper were made live during the meeting.

## **7. Product description / Timeline discussion**

- 7.1. The group discussed a suggested Functional Requirements and Technical Specification Delivery Process as shown at the back of the SMDSG1 deliverable 2.
- 7.2. The group proposed that there were broadly 3 different documentation categories that were needed to complete the next stage of the process. The first is a consolidated list of standards ("normative references") which could be derived from existing BG, SRSM and ESMIG documents. Detailed analysis of the standards would be required to ensure their stability / suitability for inclusion. The effort required to do this is significant.
- 7.3. The second document category is use cases. The group proposed the focus should be on use cases that inform interoperability.
- 7.4. The third document category is a description / appropriate level of specification of the SMS components where existing standards are insufficient / non-existent.
- 7.5. The group discussed complex tariffs as an example of where existing standards do not exist and where further level of detail will be required to ensure interoperability in terms of data items and "head room" on the meter. It was not clear what the process would be to achieve this or the time it would take. As a starter for 10, it was suggested that the group needed a document that sets out the bounds of all tariffs. BG proposed to circulate a strawman on the different tariffs that could possibly be used to gauge what is required to address this gap.
- 7.6. In order to highlight other gaps the group proposed an exercise to step through the proposed functional requirements line by line with the meter manufacturers in the next meeting. For each requirement it is then stated whether it is clear for manufacturers to start production or if further detail is needed – a red, yellow and green rating will be used to highlight follow up work required.
- 7.7. ERA and ENA have proposed to bring along their shopping list of use cases to the next meeting to discuss and agree. These can then be used to further inform interoperability requirements.

## **8. HAN requirements and use case review**

- 8.1. This will be discussed at the meeting next week. It was suggested and agreed by the group that that Alistair Manson should be invited due to his knowledge of use cases.

## 9. Any other business

- 9.1. Non domestic and other non mainstream issues – no issues highlighted
- 9.2. SMDSG3 asked the group if there were any pilot trial themes that they think is needed.
- 9.3. Isolation contactor at the meter level was mentioned as a requirement that the Electrical Safety Council (ESC) would like to see as a minimum. The group proposed that a paper with cost benefit analysis would be needed for it to be submitted by the proposer.

## 10. Actions

### 10.1. New actions

<b>To rephrase the welsh language functional requirement as a variant</b>	<b>Ofgem</b>	<b>Tomorrow</b>
<b>Meter GUI functional requirement</b>	<b>Ofgem</b>	<b>Next meeting</b>
<b>Amend and circulate last gasp narrative</b>	<b>BG</b>	<b>By next week</b>
<b>Amend and re-circulate data storage paper</b>	<b>SP, SBGI</b>	<b>Next meeting</b>
<b>Amend SMDSG1 meeting 7 minutes to include deliverable comments and Gary Coverson comments</b>	<b>Ofgem</b>	<b>By next meeting</b>
<b>Amend and circulate SMDSG1 deliverable 2</b>	<b>Ofgem</b>	<b>Tomorrow</b>
<b>Amend process timetable diagram to reflect the groups thoughts</b>	<b>ERA</b>	<b>Tomorrow</b>
<b>Draft document that combines standards from BG, SRSM and ESMIG</b>	<b>ERA</b>	<b>2 meetings from today</b>
<b>Draft a strawman of minimum tariff requirements for discussion by SG1</b>	<b>BG</b>	<b>By next meeting</b>
<b>Bring shopping list use cases to next meeting</b>	<b>ERA, ENA</b>	<b>Next meeting</b>
<b>Circulate functional requirements with question – Is this enough to make a meter?</b>	<b>Ofgem</b>	<b>Tomorrow</b>
<b>Consider which functional requirements need</b>	<b>All SG1</b>	<b>Next meeting</b>

<b>further clarification to make a meter</b>		
<b>Circulate functional requirements document with SG1 proposals included</b>	<b>Ofgem</b>	<b>Tomorrow</b>

## **11. Risks & issues**

- 11.1. Consumer input still lacking from the process, despite repeated meeting invitation requests
- 11.2. End to end issues need to be discussed with other groups as a whole.

## **12. Review of meeting**

- 12.1. No material points raised

## **13. Date of next meeting**

10<sup>th</sup> November 2010 – 10:00-16:00 – Location Ofgem.