

SDAG Minutes #4

Solution Design Advisory Group (SDAG)

Minutes of Meeting #4

Date / venue: 26 February 2013, BIS Conference Centre

Attendees

Name	Company
Colin Sawyer (Chair) (CS)	DECC
Andrew Campbell (AC) (with support from Iddon Hall)	Npower
Jonathan Wheelwright (with support from Simon Trivella)	British Gas
Grahame Weir (with support from Iain Matthews)	Scottish Power
Colin Rowland (with support from Andrew Monks)	SSE
Ashley Pocock (with support from Paul Saker)	EDF Energy
Adrian Rudd	EON
Carlan Wickham Hills	Energy UK
Nigel Nash	OFGEM
Jay Adams	Utilita
Jeff Cooper	EUA/Elster
Nigel Orchard	ESTA
Chris Shelley (Chris S)	BEAMA
Alan Creighton (Alan C)(with Support from Graham Smith)	ENA
Jane Franklin	AMO
Julian Hughes (JH)	DECC
Mike Bennett (MB)	DECC
Paul Haggett (PH)	DECC

1. Minutes and Actions from previous meeting

- 1.1. The minutes of the previous meeting #3 were agreed by SDAG members.
- 1.2. At the request of Npower, there was a correction to the minutes from the meeting held on 4 December 2012. The minutes should have recorded the action upon DECC to prepare a documentation road-map - this would include documents that will come from DCC and its service providers to allow DCC users to understand when key design documentation was to be issued. (Action 4.09)

Actions from Previous Meetings:

Action ID	Action	Due Date	Owner	Status
SDAG_2.07	User Roles Matrix; DECC agreed to confirm the dates to discuss User Roles Matrix including which services each DCC Service User will have access (including critical commands). The matrix will be covered CWG and Core Services debate	24.01.13	JH	Open

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Action ID	Action	Due Date	Owner	Status
SDAG_2.10	WAN Coverage: DECC agreed to consider a proactive push of change of coverage information to suppliers. Update: This has been considered and as a result of stakeholder feedback we have included an additional requirement in the ISFT documentation set to enable DCC Service Users to download complete coverage information whenever they wish to do so to use within their own planning systems.	26.02.13	SS	Closed
SDAG_2.11	Billing reads: Npower agreed to inform DECC if they have any residual concerns with billing cycle orchestration & push/pull comments once they have read the Technical Architecture document Update: AC agreed to provide DECC with information on where processes are misaligned and a list of the risks associated. Complete Update: DECC were to respond to the information provided by AC	26.03.13	AC JH	Closed Open
SDAG_2.12	Error Handling: DECC agreed to consider error handling requirements for service orchestration & determine whether further details need to be provided in ISFT.	26.02.13	JH	Ongoing
SDAG_2.13	Batching of User requests: Stakeholders were keen to get a requirement for batch updates of service requests over the DCC User Gateway. DECC agreed to consider if this fitted within the architecture.	26.02.13	JH	Ongoing
SDAG_2.15	Outage reporting: DECC to talk to Alan Creighton of the ENA to discuss Outage Management requirements and confirm requirements from the ENA and ensure alignment within the CSP schedule 2.1 Update: Alan Creighton agreed to write to the Chairman on service levels.	24.01.13	Alan C	Open
SDAG_3.01	DECC agreed to issue product descriptions to SDAG Members when they had been completed		CS	Ongoing
SDAG_3.02	DECC agreed to clarify the timetable and prepare the process for GB security extensions.	26.02.13	AA	Ongoing
SDAG_3.03	It was agreed that an industry-led workshop would be held in Feb 13 to discuss the solutions available to enter the UTRN into the PPMID via keypads. Feedback from the workshop was to be provided at the next SDAG meeting Update: Workshop was held on 20 Feb 13. Feedback was given as agenda item at meeting held on 26 Feb 13.	26.02.13	PM	Closed
SDAG_3.04	All SDAG members were to review the master issues log and provide any comments to DECC prior to the next SDAG meeting Update: It was agreed that the RAID issues that were closed would be sent to the originator to ensure the answer provided closed the original issue satisfactorily.	26.03.13	ALL PH	Ongoing
SDAG_3.05	BEAMA agreed to send their concerns on the implications of the security requirements to DECC. Update: This is currently being addressed by discussions between SSWG and DECC, these discussions have not yet concluded	26.03.13	Chris S	Ongoing
SDAG_3.06	DECC agreed to issue the CHTS to SDAG members for comment at the earliest opportunity to ensure that the comments raised could be addressed and the final IDSFT could be issued to bidders on 8 Apr 13. Update: Issued for comment 13 Feb 13.	26.02.13	JH	Closed

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SDAG_3.07	DECC agreed to arrange a HAN workshop to discuss the strategy for the future versions of the Comms Hub. Update: A HAN strategy workshop was held on 13 Feb 13.	26.02.13	CS	Closed
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Actions from Meeting #4

Action ID	Action	Due Date	Owner	Status
SDAG_4.01	Parse and Correlate: It was agreed that DECC would issue a set of questions to SDAG members to determine the preferred solution to managing and future governance of Parse and Correlate software. SDAG members were requested for their replies by 15 March 2013. Update: Questions issued by DECC on 5 March 2013.	15.03.13	ALL	Open
SDAG_4.02	HHT Interface: It was agreed that the description of the Hand Held Terminal interface would be sent to SDAG Members as soon as it was available for review.	26.03.13	JH	Open
SDAG_4.03	Zigbee and DLMS integration testing: Testing Strategy is to be updated to include the integration testing of Zigbee and DLMS. The Foundation Steering Group were leading on testing – this requirement would be passed over this group for inclusion in the overall testing strategy.	26.03.13	PH	Open
SDAG_4.04	HAN Strategy: It was agreed that the SDAG members would review and provide comment on the HAN Strategy presented to Meeting 4.	15.03.13	ALL	Open
SDAG_4.05	HAN Strategy Presentation: The preliminary conclusions slide from the HAN strategy was to be updated to show the latest position and issued to SDAG members. Update: Slide amended. Amended Presentation issued with meeting minutes.	06.03.13	CS	Closed
SDAG_4.06	ICHI: It was agreed that SDAG members were to provide comment on the BEAMA/EUA specification and that DC power only was to be the only ICHI feature to be mandated on the proposed electric meter.	15.03.13	ALL	Open
SDAG_4.07	Role Based Access Control: The Events RBAC would be defined in the GB Comp Spec and feedback would be provided when available.	tbc	MB	Open
SDAG_4.08	Import/Export: It was agreed that DECC would provide further detail on how the import/export supplies are managed.	26.03.13	MB	Open
SDAG_4.09	Documentation Road-map: DECC agreed to prepare a documentation road-map (to be finalised when DSP delivery timescales are agreed)- this would include documents that will come from DCC and its service providers to allow DCC users to understand when key design documentation was to be issued.	tbc	CS	Open

2. Parse And Correlate (P&C)

- 2.1. The Smart Meters Implementation Programme's security model necessitates DCC Service Users understanding the content of HAN ready messages. To facilitate this, it has been agreed that DECC would facilitate the procurement of a P&C software capability on behalf of the energy industry as a whole, rather than each DCC Service User having to develop their own. The need for this has been

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widely discussed with Industry and while DECC may facilitate the provision of the software, it remained the responsibility of Service Users to operate the correlation and parsing of messages.

- 2.2. An overview of the proposed Parse & Correlate function was presented where the concept was broadly supported, however more detail was requested as to how it will be developed, supported and managed. It was agreed that DECC would issue a set of questions to capture the views of SDAG members on these topics.

3. HAN Strategy

- 3.1. The options available for the HAN strategy were detailed by the chairman. The pros and cons of the various technical solutions for the HAN scenarios were presented and merits discussed. It was agreed that the SDAG members would provide comments on the proposed HAN strategy by 15 March 2013. It was also stated that from the analysis carried out to date, it was unlikely that dedicated spectrum would be available for smart metering systems.
- 3.2. It was agreed that the description of 'Type A' properties should also include 868Mhz as well as 2.4Ghz.
- 3.3. It was stated that integration testing of Zigbee and DLMS had not been scoped and this would be need to be included in the testing [plans being developed under the Foundation Steering Group.

4. Intimate Communications Hub Interface (ICHI)

- 4.1. A number of decisions are required prior to the issue of the final ISFT to CSP bidders. The provisional positions in respect of these issues were as follows;
- a. Should a standardised specification be mandated for intimate fitting? *Yes*
 - b. If yes, what standardised specification should be adopted? *BEAMA / EUA specification*
 - c. What ICHI features should be specified in first generation CSP comms hubs? *DC power*
 - d. What ICHI features should be mandatory in ICHI electricity meters? *Supplier choice (might mandate DC if ICHI included in SMETS)*
 - e. What regulatory mechanisms should be adopted for ICHI? *Options are to include in CSP contract and publish spec or include in CHTS / SMETS*
- 4.2. It was agreed that SDAG members would to provide written comments on these positions by 15 March 2013.
- 4.3. British Gas asked DECC to consider whether the 20 pin connector in the intimate interface was suitable. DECC commented that the ICHI Spec has been endorsed by both BEAMA and EUA based on their design expertise.
- 4.4. DECC would review the regulatory mechanism to be adopted for the ICHI; this could be through the ISFT or SMETS/Comms Hub Tech Spec and will be covered in Part 2 of the government response to the SMETS2 consultation.

5. Feedback from the Keypad Workshop

- 5.1. The requirement for a keypad was included in the SMETS 1 (1st Iteration) as a provisional requirement. This was based on the findings that the UTRN was to be in excess of 20 digits and would require a keypad for input.
- 5.2. A number of alternatives to keypads had been discussed at the workshop;
- o Emergency UTRN use case (supply is remotely disabled and WAN / HAN goes down)

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- Loss of WAN / HAN can be detected and communicated to meter
- Supply becomes armable (through “button” on meter) for credit consumers, but for PPM consumers can only be enabled if sufficient credit available
- Local CAD pairing use case (use electricity meter to enter CAD credentials) – options:
 - Remote pairing service
 - Data entry on CAD of PC connected to CAD
- PPM top-up use case (manual top-up of credit at the meter)
 - Loss of WAN / HAN detected and communicated to meter at which point time limited “friendly disconnect” commences. Stop when WAN / HAN communications re-established or when ‘friendly disconnect’ expires (this requires a change to SMETS)

5.3. These alternatives from the workshop were to be subject to further assessment by DECC to determine the most appropriate solution and SDAG members would be advised of that decision.

6. User Gateway Catalogue and Business Process Model ISFT Initial Release

6.1. The purpose of the User Gateway Catalogue is to;

- a. Provide business context layer to SMETS/equipment commands/data items
- b. Provide the business level user gateway interface definition
- c. Inform demand estimation
- d. Inform GB HAN Companion Spec
- e. Inform SEC

6.2. The purpose of the Business Process Model is to:

- a. Elicit functional requirements for procurement
- b. Define scope of processes
- c. Define actors
- d. Provide business level context view
- e. Provide visibility of interface points
- f. Inform User Gateway Catalogue

6.3. The Business Process Models were used to provide input to the security architecture trust modelling exercise and have informed both the technical architecture and the User Gateway Catalogue. They continue to provide valuable business context and requirements traceability and have been updated to reflect changes driven by the Security and Technical Architecture and the recent publication of SMETS2.

6.4. Configure Event Behaviour – there are circa 400 events within each protocol that can potentially be configured to provide an alert over the WAN. The detail of these is currently awaiting confirmation by SSWG, following which an exercise to catalogue and define the available configurations for inclusion in the GB HAN Companion Spec.

6.5. The UGC is subject to a design freeze with effect from 8 March 2013 – this is to ensure that there is a stable baseline of service requests to support the demand estimation exercise ahead of ISFT, and the frozen version will be published to bidders as part of ISFT final.

7. Deliverables and Timeline

7.1. The draft timeline to deliver artefacts issued to SDAG members is show below;

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Artefact	Final Doc	Current Version	Publication Date	Next Version	Next Forecast Publication
DCC User Gateway	SEC	2.0	14 Feb 13	3.0	5 Apr 13 ISFT final
Self Service Interface	SEC	Draft			5 Apr 13 ISFT final
Registration interface	SEC	Draft			29 Apr 13 SEC2
SMETS2	SEC	2.0	24 Jan 13	3.0	30 Aug 13
CHTS	SEC	1.16	12 Feb 13		5 Apr 13 ISFT final
GB Comp Spec	SEC	Draft			30 Aug 13
DCC Gateway Service Levels	SEC	Draft			29 Mar 13
Service Management Requirements	SEC	Draft		1.0	5 Apr 13 ISFT final
Registration Interface - SLAs	SEC	Draft			29 Apr 13 SEC2
DCC Accreditation	SEC	Draft			29 Apr 13 SEC2
DCC user certification	SEC	Draft			29 Apr 13 SEC2
Equipment Certification – Security Characteristics	SEC			1.0	Jun 13
User Gateway CoCo (DSP)	SEC?				(Nov 13?)
Target Operating Model				2.0	11 Jun 12
Business Processes		1.0	Feb 12	2.0	May 13
Technical Architecture		0.3	21 Dec 13	0.4 1.0	5 Apr 13 17 Jul 13
Security Architecture				2.0 3.0	5 Apr 13 17 Jul 13
Interaction Models	tbc	tbc			
Trust Models		0.9	5 Sep 12		
Information Risk assessment		0.41	STEG only		Apr 13
Security Requirements		0.6	28 Jan 13	0.61	6 Mar 13
DSP Requirements	Contract	0.4	11 Feb 13		8 Apr 13
CSP Requirements	Contract	0.4	11 Feb 13		8 Apr 13

8. Dates for next meeting

- 8.1. Members confirmed that the next SDAG Meeting (5) will take place at BIS Conference Centre on 26 March 2013. DECC will issue the agenda closer to the meeting.

9. AoB

- 9.1. **Certification Regime:** Npower requested that more information was made available on the certification regime. The certification regime was the responsibility undertaken by the Foundation Steering Group and they would be informed of the request for information.