

SEC Working Group 3 – Meeting 1

22nd April 2016

SECMP0009 – Centralised Firmware Library

Business Requirements

Attendees:

Working Group 3 Members	Organisation
Mark Pitchford (Proposer)	nPower
Steve Thomas	British Gas
Jason Stevens	EUK
Sam Charlton	EOn
Paul Saker	EDF Energy
Kay Houghton	Calvin Capital
Andrew Willman	BEAMA
Martin Russ	ITRON
Emslie Law	SSE

Other Attendees:

Name	Organisation
James Goldsack	DECC
Stuart Scott	DCC
Adam Pearce	
Edward Mace	
Jill Ashby (Chair)	SECAS
Ian Atkin (Technical Support)	
Urszula Thorpe (Technical Support)	
Darren Calam (Technical Support)	
David Barber (Modifications Lead)	
Sebastian Rattansen (Meeting Secretary)	
Keith Phakoe (Modifications Analyst)	
George MacGregor (Modifications Analyst)	

Reference	Theme	Business Requirements	Comments/Assumptions
BR01	Scope	CFL would capture/hold SMETS(2) ESME and GSME Firmware as a minimum	<p>Currently worded as just meters due to the circumstances prevailing when the Mod was written. Further discussion required to clarify whether IHDs/PPMIDs should be included</p> <p>Further discussion needed on what types of images would be available in the CFL, who would decide what is available.</p>
BR02	Scope	SMETS2 ESME and GSME Images on CFL must be associated to Device Models on CPL	<p>The firmware version would need to be consistent with that stored in the CPL.</p> <p>This would require the CFL provider to check that the Image that is being uploaded has a corresponding entry on the CPL.</p>
BR03	Security	CFL Service Provider to confirm Image <u>authenticity and integrity</u> before adding it to CFL	<p>Further discussion needed to set out security requirements for the Library, sender interface and supplier interface. This would need to include:</p> <ul style="list-style-type: none"> • Checking that the Image is associated with one or more Device Models on CPL; • Calculating Image Hash and checking the Hash is recorded on CPL against one or more entries; • Checking Manufacturer ID, model and Firmware Version related to the Image match identically with the identified CPL entries; • Checking that the hardware version in that CFL entry is between minimum and maximum hardware version related to that Image
BR04	Access	Only manufacturers to be permitted to upload Images into the CFL	<p>This would require access control by the CFL provider.</p> <p>For the purpose of access control the modification solution would need to:</p> <ol style="list-style-type: none"> a) Have Manufacturer as defined in the SEC; or b) What are the requirements for provision of Firmware images - SMETS only or all relevant Firmware images? c) What are the commercial implications of each of these? <p>Further discussion needed to set out security requirements for the CFL, sender interface and supplier interface</p>

BR05	Access	Only suppliers to be permitted to download Images from the CFL	This would require access control to the CFL. Further discussion needed to set out security requirements for the CFL, sender interface and supplier interface
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