



# Session B: Operating in the SEC and DCC

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Welcome

# Speakers



Session B: Operating in the SEC and DCC
Changes to DCC Service Management - Mo Asif, DCC
CPL Challenges - David Barber, SECAS
Current Modification Proposals - David Kemp, SECAS
Managing Agile Changes to the DCC SSI - Tim Newton, SECAS
Meter Triage - Phillip Twiddy, SECAS and Ed Mace, DCC

14:45 - 15:00 - Tea, Coffee and Network

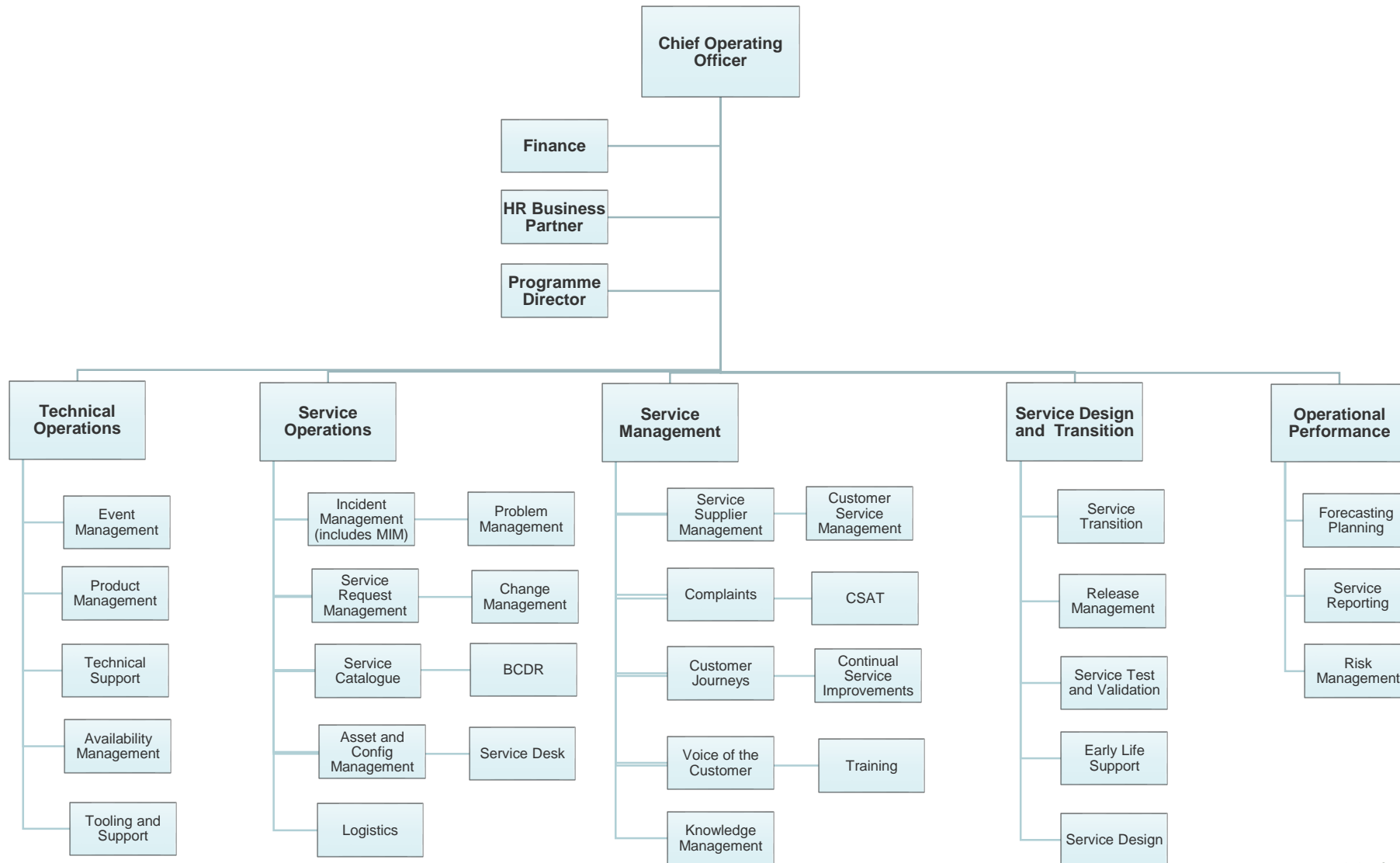


# **DCC – Operations Service Management**

**Mo Asif, Director of Service Management, Smart DCC**

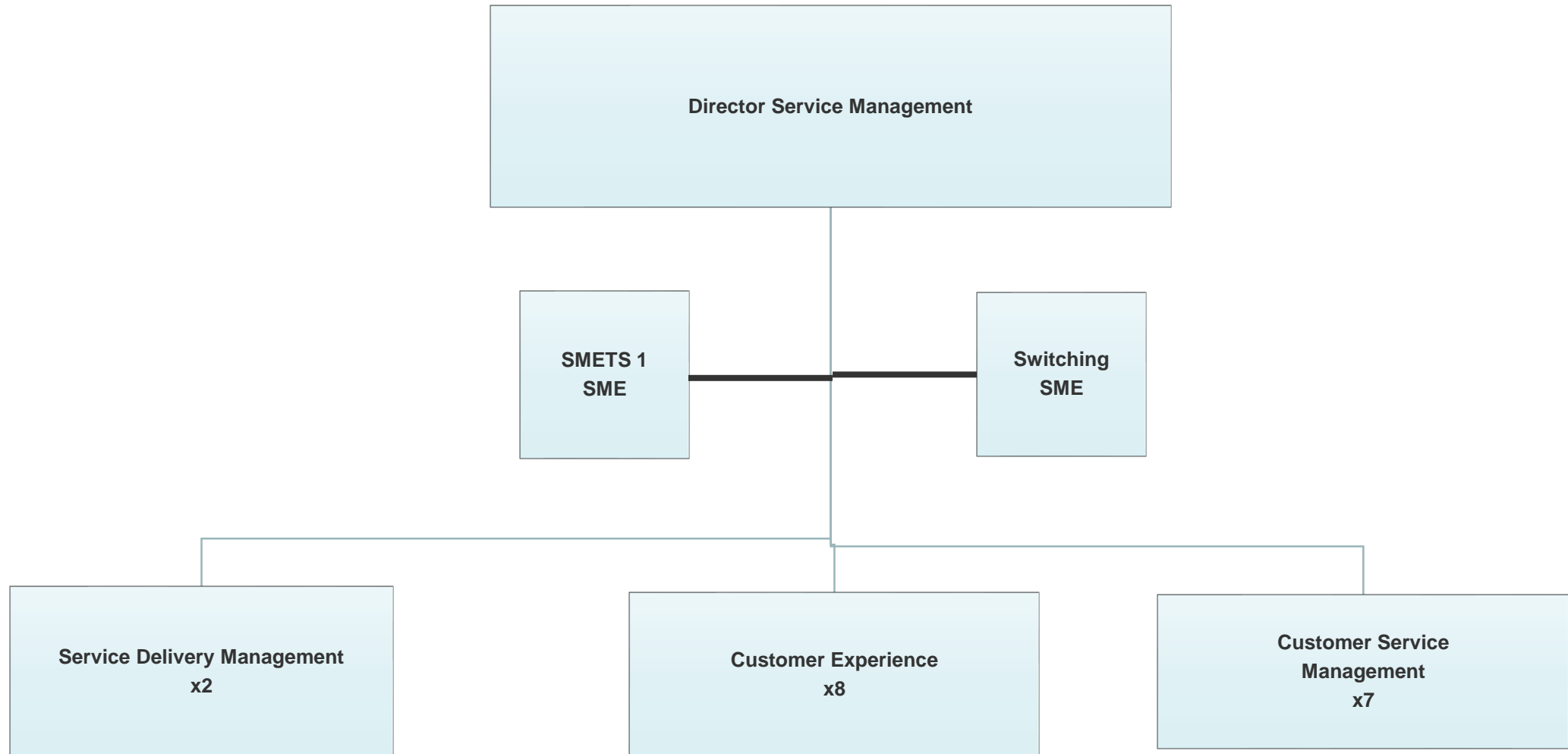
# 1

# DCC Operations



# 2

## Service Management Organisation Structure



## 3

# Purpose by team

## Service Delivery Management

- Manage the operational performance of our service providers, strong governance process, hold service providers to account, utilising the available data and feedback received to challenge as required, monitoring of SLA's in line with contractual commitments. Drive service improvement and accountability.

## Customer Service Management

- Advocate of the customer, develop strong customer relationships by implementing a robust governance process, quarterly, half yearly and yearly reviews (weekly operational calls reviews as determined by situation). Customer communication, keeping them apprised on what is coming and bringing customer knowledge back into DCC. Canvassing friendly customers willing to pilot with us on new initiatives and improvements. Escalation point and go to person for when process is failing.

## Customer Experience –

- Implement CSAT, based on customer journeys. Drive continual service improvement both external facing to the customer and internal around process improvements, based on feedback received / proactive measures. Define and produce a knowledge management approach within the DCC, initially focussing on Operations but a wider scope to this. Provide learning for our customers, furnishing them the skills they need to move forward with their roll out programme. Embed customer journeys for use by the wider DCC org, manage and maintain.

# THANK YOU

Questions:

[opsuserservice@smartdcc.co.uk](mailto:opsuserservice@smartdcc.co.uk)





# Certified Product List (CPL) Challenges

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David Barber, SECAS



# CPL Challenges – Items that will be covered



- The Certified Product List
  - A brief overview
  - Purpose of the Certified Products List
  - Assurance Certificates
  - What needs to be on the CPL
  - What Information is Required
  - The Smart Metering Inventory
  - Roles and Responsibilities
  - SEC Website Listing
  - Entry Submission Process – in brief
  - Entry “Removal” Process
- Recent Challenges
- Future Changes - SMETS1 enrolment and adoption and interactions with the CPL.
- Further information and where to find it

# The Certified Product List (CPL) – a brief overview

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- What is the CPL and why do we have it (the Purpose)?
  - It is a list of Devices (meters, Communications Hubs, PPMIDs) that the DCC is permitted to allow communications to, as they have the required assurance certificates
- Where can I find it?
  - The CPL is available of the [SEC Website](#)
- Who can Submit entries
  - For new entries - can be submitted by anyone (although it is typically the device manufacturer that does)
  - For CPL submissions that are driven by firmware updates (and are using existing certificates) these can be submitted by the manufacturer, but require a supplier to confirm he submission is in line with agreed maintenance plans. Alternatively the Supplier can directly submit the firmware update submission

Gemserv

# Purpose of the Certified Products List



- The two key areas of the SEC which relate to the CPL are:

- **SEC Section F2**

Requires the SEC Panel to establish and maintain a list of all **Device Models** for which they have received all of the required Assurance Certificates required for the **Physical Device Type** relevant to that **Device Model**. This section also describes the Assurance Certificate requirements.

- **CPL Requirements Document**

A SEC Subsidiary Document. This document describes the required content of the CPL as well as defining a number of procedural elements.

A current version can be found here:

<https://smartenergycodecompany.co.uk/download/2397>

# Purpose of the Certified Products List



- **Device Model**

*means, in respect of a Communications Hub or a Device (other than a Communications Hub Function or a Gas Proxy Function), the Manufacturer, the model, the hardware version and the firmware version of the Communications Hub or Device.*

- **Physical Device Type**

*means, in respect of a device, its type which may be only one of: a Communications Hub; a Single Element Electricity Metering Equipment (as defined in SMETS); a Twin Element Electricity Metering Equipment (as defined in SMETS); a Polyphase Electricity Metering Equipment (as defined in SMETS), a Gas Smart Meter; a Pre-Payment Meter Interface Device; a HAN Connected Auxiliary Load Control Switch; an IHD; or a Type 2 Device (Other).*

Taken from SEC v5.19 – Section A1 – Definitions and Interpretation

# Assurance Certificates

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- Three types of Assurance Certificate:
  - **ZigBee Alliance** – The ZigBee Certified Product program tests a device against an Alliance developed standard. In order to achieve certification, the product must be able to execute all mandatory commands successfully.
  - **DLMS Certificates** - DLMS COSEM is a communication standard used by certain Devices. It sets out the rules for data exchange with energy meters. The DLMS User Association provide a certification scheme.
  - **CPA Certificates** - The scheme evaluates commercial security enforcing products and their manufacturers against security and development standards.

# Assurance Certificates



- SMETS and CHTS defines Assurance Certificate requirements:

Device Type	ZigBee	CPA	DLMS
Pre-Payment Interface Device	x		
Communications Hub	x	x	
Gas Smart Meter	x	x	
HAN Connected Auxiliary Load Control Switch	x	x	
Single Element Electricity Metering Equipment	x	x	x
Twin Element Electricity Metering Equipment	x	x	x
Polyphase Electricity Metering Equipment	x	x	x

- The Panel are only able to add Device Models to the CPL once all required Assurance Certificates have been provided

# What Needs to be on the CPL



- Device Models of the following Physical Device Types must be listed on the CPL:

Physical Device Type
Communications Hubs
Single Element Electricity Metering Equipment
Twin Element Electricity Metering Equipment
Polyphase Electricity Metering Equipment
Gas Smart Meter
Pre-Payment Interface Device
HAN Connected Auxiliary Load Control Switch



# What Information is Required



Section 2 of the CPL Requirements Document sets out that the CPL shall list the following information for each Device Model:

CPL Requirements Document	Requirement
(a)	Manufacturer and model
(b)	Hardware version
(c)	Firmware version
(d)	Manufacturer Release Notes
(e)	Technical Specification version
(f)	Assurance Certificate identification numbers
(g)	CPA Certificate expiry date
(h)(i) <i>optional</i>	Identity of the person who created the Manufacturer Image
(h)(ii) <i>optional</i>	Hash of the Manufacturer Image

# The Smart Metering Inventory

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- The Smart Metering Inventory (SMI) is established and maintained by the DCC in accordance with SEC Section H5
- It is an electronic database of Devices which records information such as Device Type and MPAN/MPRN for all installed Smart Meters
- Included within the SMI is a field called SMI Status which indicates the current state of the Device, such as 'commissioned' or 'withdrawn'
- It is the DCC SMI and the associated SMI Status for a Device which dictates whether or not the Device can be communicated to and from via the DCC.
- In order for a Device to be listed on the SMI it must first be fully assured and listed on the CPL.
- The CPL extracts provided to the DCC by SECAS (on behalf of the SEC Panel) are used to set the SMI Status field within the SMI

# Roles and Responsibilities



- **SEC Panel**

- The SEC Panel are required to Digitally Sign the CPL extract which is issued to the DCC
  - SECAS, on behalf of the SEC Panel, use IKI credentials to sign the extract sent to the DCC
- The DCC will validate these credentials upon receipt of the CPL

- **SEC Parties**

- Any Party or person can submit the Assurance Certificates to SECAS with the view of having a Device Model added to the CPL
- A Device Model would only need to be submitted once, therefore SEC Parties can check the live version of the CPL on the SEC Website

- **The DCC**

- The DCC shall use and rely upon the CPL to update the SMI
- The DCC are allowed up to 24 hours from receipt of the CPL to make any modifications to the SMI to reflect the updated CPL

# SEC Website Listing

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- The latest version of the CPL will always be available on the SEC Website, on the CPL page (<https://smartenergycodecompany.co.uk/certified-products-list/>)
- Parties will receive a notification via email whenever a new version of the CPL is uploaded
  - It will indicate if the DCC has also completed the associated upload of the changes to the CPL into its systems



# Entry Submission Process – in brief

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- Download the latest CPL workbook from the SEC Website
- Navigate to the CPL – New Entry tab
- Complete all fields highlighted in light green
- Save the tab as a new workbook
- Email the workbook with any required assurance certificates to [SECAS@gemserv.com](mailto:SECAS@gemserv.com)
- Step-by-Step Submission guidance available on [SEC Website](#)
- Note - if a Manufacturer Hash is to be associated with the CPL submission, the CPL submission form (spreadsheet) must be digitally signed prior to submission

# Entry “Removal” Process

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- An entry will be listed as Removed if:
  - One or more of the relevant Device Model’s Assurance Certificates have been revoked
  - The Device Model’s CPA Certificate has expired (Zigbee/DLMS certificates do not expire)
- The SEC Panel are required to notify the submitting Party twelve and six months in advance of CPA Certificate expiry.
- The SEC Panel will discuss the “removal” of any entry prior to SECAS making any amendments to the CPL
- Where a CPL extract files issued to the DCC includes new removals, the DCC will use and rely upon SEC Panel meeting minutes to ensure the “removal” is intentional

# Recent Challenges....

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- As with any process challenges can arise, in the past year there have been two notable instances, that required action:
  - System Validation – Issue blocked two different device types with the same hardware information to be blocked by the DCC
    - Fix required the DCC Data Service provider (DSP) validation to be amended to not block such duplicates.
  - Firmware updates and Zigbee and/or DLMS recertification
    - During the submission of firmware updates (where no changes were made to either the Zigbee or DLMS elements, misalignment between CPL submissions and supporting certificates was occurring
      - To resolve the discrepancy, without forcing re-certification, the Panel agreed that when there is a mismatch, the submitting Party must provide mapping info to demonstrate the certificate still maps to the new firmware submission.

# Recent Challenges....continued

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- Conditional CPA certificate status
  - A small number of devices on the CPL entries had conditional CPA certificates applied to them by NCSC
  - If the conditions were not met within a period of time the certificate would be revoked, however the certificate issued had the full certificate validity period, so it was difficult to tell that this was the case
  - The conditional period of the CPA certificates were extended by the NCSC/SSC for six months to enable activities to occur to ensure the conditional requirements on the device had been met
  - Going forwards if a conditional CPA certificate is provided, it will include the conditional date, to enable easily identification of if and when the certificate will expire.
- The CPL, the Technical Specifications and the Great Britain Companion Specification
  - New version of GBCS (v1.1) not recognised in DCC DSP systems – leading to uploads to be blocked.
    - Fix involved changes to DCC DSP System to recognise different versions of GBCS, and in particular GBCS v1.1.



# Future Changes – SMETS1 Enrolment and Adoption

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- With the arrival of SMETS1 Enrolment and Adoption, there will be changes to the CPL
  - The CPL will need to capture SMETS1 devices (along with SMETS2 (and beyond)) so that it is clear what devices the DCC are allowed to/can communicate with

# Future Changes – SMETS1 Enrolment and Adoption



- What are the impacts?
  - One list is being kept, which means the information is contained in one place
  - Structure of the CPL is not expected to change
  - The 'Certified' Product List is no more – 'Certified' will be replaced with 'Central'
    - Why 'Central', why not keep 'Certified'?
      - As there will still be one list, it can no longer be called the Certified Product List as not all entries (SMETS1 entries) have support CPA certificates or are required to be CPA'd
      - Instead Suppliers will provide a compliance statement and the DCC will undertake testing to confirm that it will work within the DCC Systems.
  - Unlike SMETS2 devices (with the exception of Communications Hubs) only the DCC will be able to submit SMETS1 CPL submissions
    - The SMETS1 CPL submission process will follow the same existing process as much as possible, with the exception of the provision and checking of associated CPA certificates.
    - SECAS and the DCC are currently identifying the necessary changes (additional option etc) that will need to be added to the CPL and CPL submission form for SMETS1

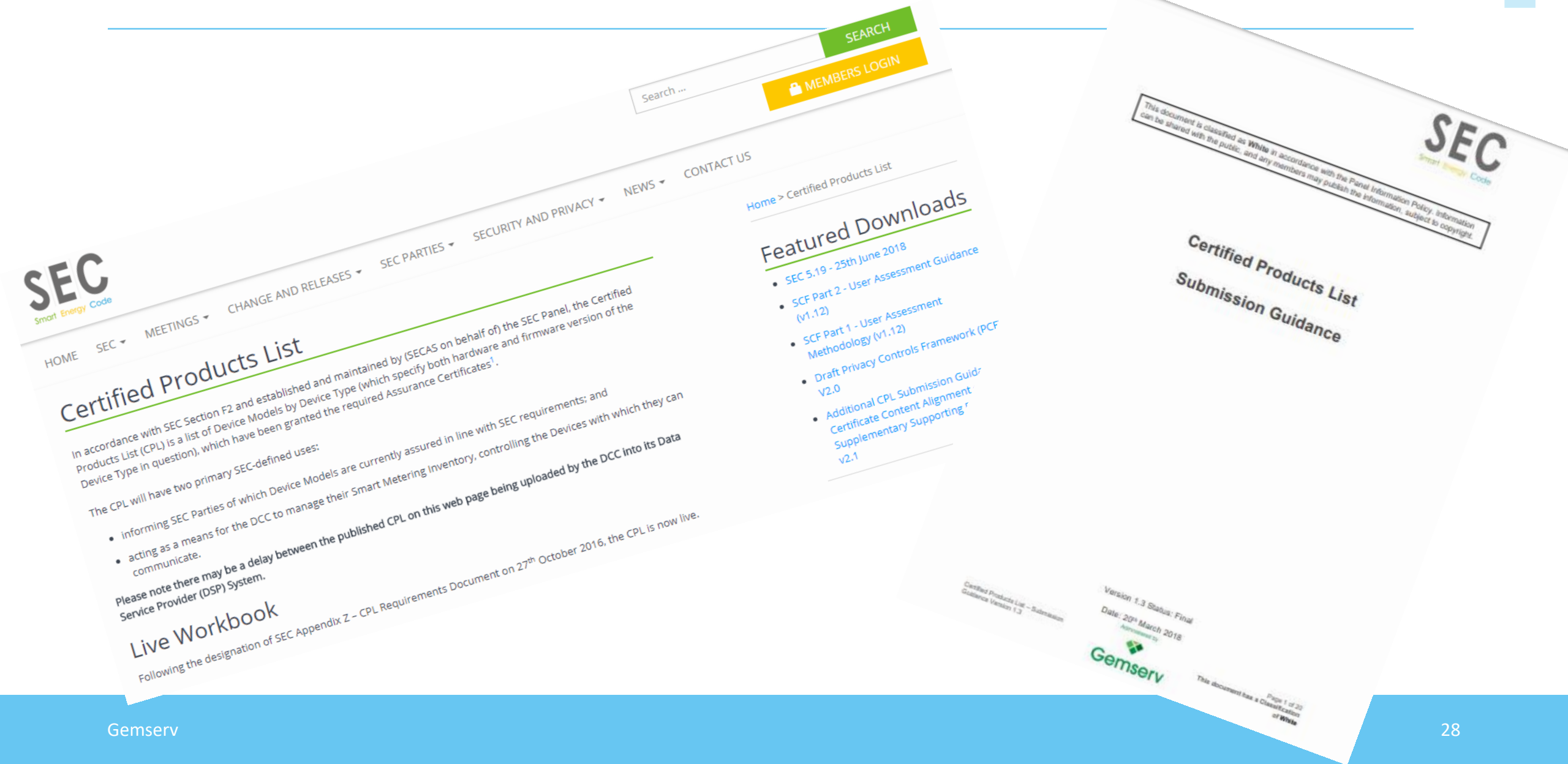
# Further Information and coming soon!

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- CPL page on the SEC Website: <https://smartenergycodecompany.co.uk/certified-products-list/>
- The Certified Product List (includes the new CPL Submission form):  
<https://smartenergycodecompany.co.uk/download/4054/>
- The CPL Submission Guidance (details the processes involved in managing the CPL, including the submission process):  
<https://smartenergycodecompany.co.uk/download/3505/>
  - Additional CPL Submission Guidance - Certificate Content Alignment or Supplementary Supporting Evidence v2.1:  
<https://smartenergycodecompany.co.uk/download/2092/>
- Supplementary information
  - CPL plain English Mapping Spreadsheet (mapping of CPL entries to a UK Metering Forum (UKMF) supported 'plain English' description\*):  
<https://smartenergycodecompany.co.uk/download/5620/>

# Further Information and coming soon!



# Further Information and coming soon!

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- Coming soon – new CPL guidance
  - **‘The CPL and interactions with the Technical Specifications and GBCS’ (still working on a snappier title)**
    - The guide will provide details on what the CPL is, its interactions with the Technical Specifications and GBCS;
    - What happens when a technical specification or GBCS version is end dated
    - Options available to Suppliers and Meter Manufacturers in this scenario
    - Worked examples, including the recent GBCS v1.1 situation and looking ahead to future versions
  - Current status – guidance is being drafted and review to ensure the content is clear and unambiguous. When published all SEC Parties will be notified (including any named CPL contacts)



# Questions?

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David Barber, SECAS

A long-exposure photograph of a winding road at night, with light trails from vehicles creating a sense of motion. The road curves from the bottom left towards the upper right, disappearing into the distance. The light trails are a mix of white and blue, suggesting headlights and taillights. The background is dark, emphasizing the glowing lines of light.

# SEC Change Update

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David Kemp



# What will we be covering?

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An overview of the Modification Process

A quick look at the current landscape

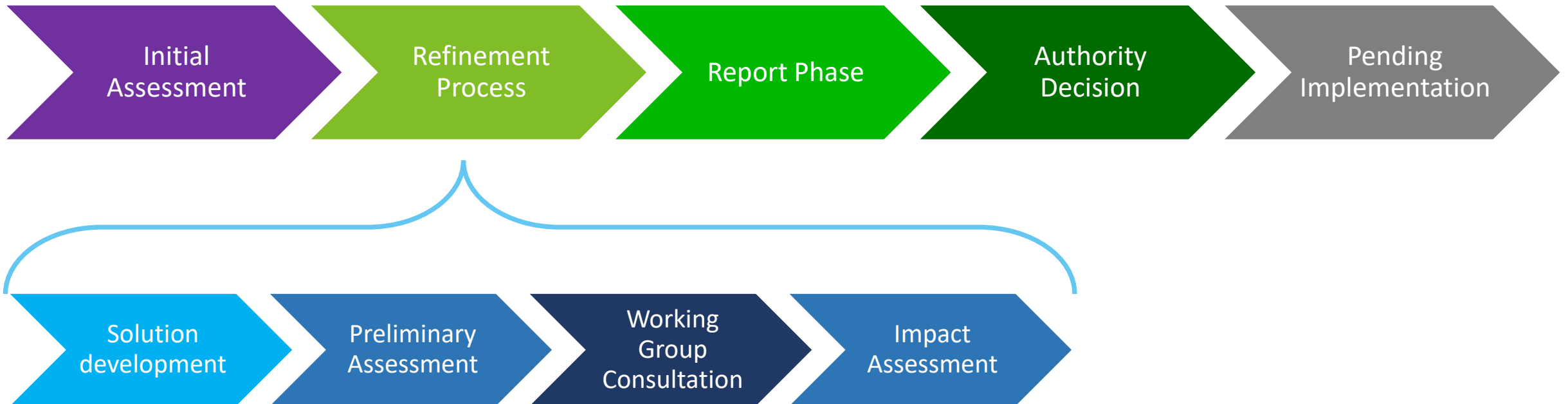
Stepping through some key modifications

Highlighting sources of further information

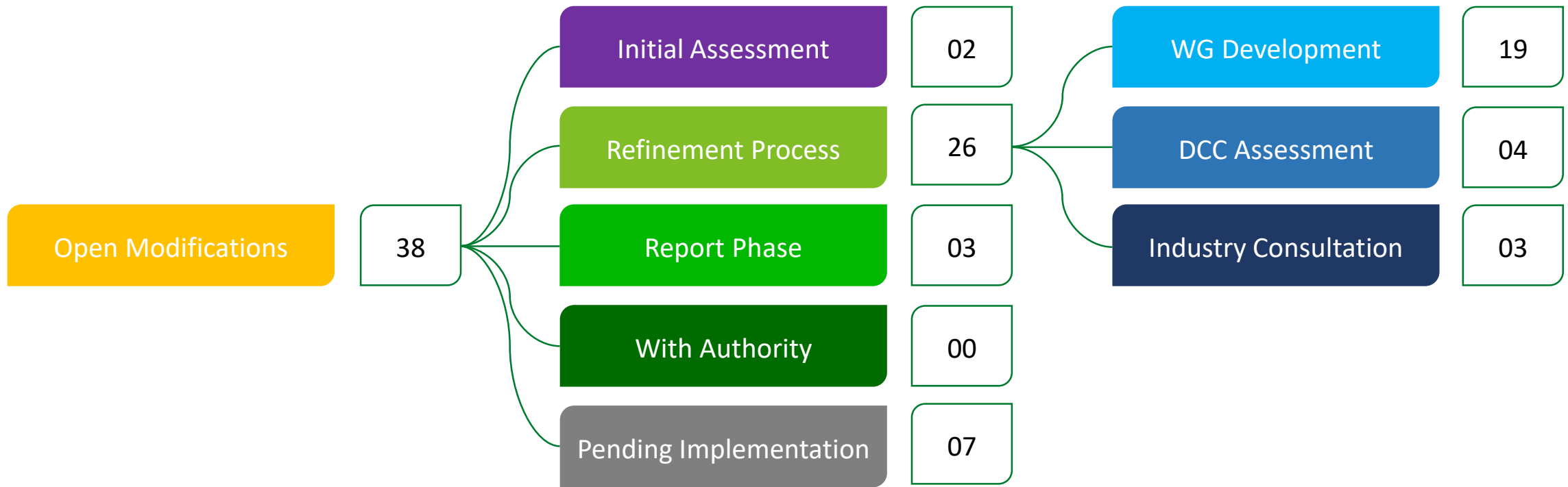


# What is the Modifications Process?

- Process to progress changes to the SEC (Section, Schedule or Appendix)
  - Process and requirements outlined in SEC Section D



# Current status of open modifications



# A full list of all open modifications



Mod	Title	Update
SECMP0005	Include Tariff and Register Labels in SMETS2 Devices	Currently out for WGC, DMR due to be presented to Panel in Aug 18
SECMP0006	Specifying the number of digits for device display	Pending implementation on 30 Sep 18
SECMP0007	Firmware updates to mandated HAN devices	This has been issued for a second PA; a Working Group meeting will be held on 24 Jul
SECMP0008	Provision of a DCC Alert (formerly Service Request Error Response) for Quarantined Service Requests	Pending implementation on 30 Sep 18
SECMP0009	Centralised Firmware Library	Currently out for WGC, DMR due to be presented to Panel in Aug 18
SECMP0010	Introduction of triage arrangements for Communication Hubs	The next Working Group meeting will be held alongside SECMP0013
SECMP0012	Channel selection to support Shared HAN solutions	The date of the next Working Group meeting is to be confirmed, due to delays with discussions in the Alt HAN space
SECMP0013	Smart meter device diagnostics and triage	Received PA response, and will schedule a Working Group meeting in Aug 18 to discuss
SECMP0015	Add Timestamp to Read Instantaneous Prepay Values response message	Next Working Group meeting will be held in mid Jul, after which the WGC will be issued. The DMR is due to be presented to the Panel in Sep 18
SECMP0018	Standard Electricity Distributor Configuration Settings	The DMR is expected to be presented to the Panel in Jul 18

# A full list of all open modifications



Mod	Title	Update
SECMP0019	ALCS Description Labels	The Change Board will vote on 25 Jul 18
SECMP0023	Correct Units of Measure for Uncontrolled Gas Flow Rate	Pending implementation on 27 Jun 19
SECMP0024	Enduring Approach to Communication Hub Firmware Management	This has been issued for PA; a Working Group meeting will be held on 24 Jul
SECMP0025	Electricity Network Party Access to Load Switching Information	The DMR will be presented to the Panel in Jul 18
SECMP0027	Amending Service Request Forecasting	Pending implementation on 01 Nov 18
SECMP0028	Prioritising Service Requests	On hold pending wider work being done by DCC on managing traffic through its systems
SECMP0029	Business Continuity and Disaster Recovery Testing Amendments	The updated DMR will be presented to the Panel in Jul 18
SECMP0031	Adding UTRN Functionality to SMETS	The next Working Group meeting will be held alongside SECMP0038
SECMP0032	Prioritising Prepayment Customers in No WAN Situations	This is currently out for PA

# A full list of all open modifications



Mod	Title	Update
SECMP0034	Changes to the SEC Section D for DCC analysis provisions	Pending implementation on 01 Nov 18
SECMP0037	Pairing Local PPMIDs	On hold pending the outcome of the 2018 Security Assessment
SECMP0038	Sending Commands via PPMIDs	PA recently received, Working Group will meet soon to discuss
SECMP0039	Communication Hub returns notification for Other SEC Parties	This is currently out for WGC, after which the Working Group will need to request the IA
SECMP0041	Amending the Change Board decision making rules for Modification Proposals	Currently out for WGC, DMR due to be presented to Panel in Aug 18
SECMP0042	Amendment to SMKI Services to provide DCC Users and/or SMKI Participants with Authorised Responsible Officer (ARO) Statistics and Information	The PA response is being reviewed by the SMKI PMA on 21 Aug, after which the WGC can be prepared and issued
SECMP0043	Modification to Services Force Majeure Provisions	The Working Group will meet in late Jul, after which the WGC will be issued
SECMP0044	User Security Assessment of a Shared Resource	The Change Board will vote on 25 Jul 18
SECMP0046	Allow DNOs to control Electric Vehicle chargers connected to Smart Metering infrastructure	The second Working Group meeting will be held on 07 Aug

# A full list of all open modifications



Mod	Title	Update
SECMP0047	Default provisions for Other SEC Parties	Pending implementation on 31 Oct 18
SECMP0048	Extension of SMETS gas Valve exemption to include Large Gas Meters installed at Domestic Premises	The Change Board will vote on 25 Jul 18
SECMP0049	Section D Review: Amendments to the Modification Process	The DMR will be presented to the Panel in Jul 18
SECMP0050	Section D Review: Moving the Working Group Terms of Reference to a separate document	The DMR will be presented to the Panel in Jul 18
SECMP0051	Section D Review: Amendments to the Fast Track Modification process	The DMR will be presented to the Panel in Jul 18
SECMP0052	Updates to the DCCKI CP and DCCKI RAPP	Pending implementation on 01 Nov 18
SECMP0053	Amend Target Response Times for Service Requests Critical to Installation and Commissioning Processes	A RFI will be issued in late Jul to help the Working Group identify which Service Requests to include in the solution
SECMP0055	Incorporation of Multiple Issue Resolution Proposals into the SEC	The WGC will be issued in late Jul 18
SECMP0056	IHD / PPMID Zigbee Attributes Available on the HAN	The IMR will be presented to the Panel in Jul 18
SECMP0057	Users to notify SSC of a second or subsequent User System	The IMR will be presented to the Panel in Aug 18

# The releases landscape



Ad-hoc Release – Exp'd 22 Aug 18	
SECMP0044	Targeted
Release 2.0 – 30 Sep 18	
SECMP0006	Approved
SECMP0008	Approved
November 2018 Release – 01 Nov 18	
SECMP0009	Targeted
SECMP0019	Targeted
SECMP0027	Approved
SECMP0029	Targeted
SECMP0034	Approved
SECMP0041	Targeted
SECMP0047	Approved (31 Oct 18)
SECMP0048	Targeted
SECMP0049	Targeted
SECMP0050	Targeted
SECMP0051	Targeted
SECMP0052	Approved

February 2019 Release – 28 Feb 19	
-	-
June 2019 Release – 27 Jun 19	
SECMP0018	Targeted
SECMP0023	Approved
SECMP0055	Targeted
November 2019 Release – 07 Nov 19	
SECMP0005	Targeted
SECMP0015	Targeted
SECMP0025	Targeted

February 2020 Release – 27 Feb 20	
-	-
June 2020 Release – 25 Jun 20	
SECMP0039	Targeted
SECMP0053	Targeted
November 2020 Release – 05 Nov 20	
-	-

# Modification Proposals of note



Modification	Title
SECMP0041	Amending the Change Board decision making rules for Modification Proposals
SECMP0044	User Security Assessment of a Shared Resource
SECMP0046	Allow DNOs to control Electric Vehicle chargers connected to Smart Metering infrastructure
SECMP0049	Section D Review: Amendments to the Modification Process
SECMP0050	Section D Review: Moving the Working Group Terms of Reference to a separate document
SECMP0051	Section D Review: Amendments to the Fast Track Modification process

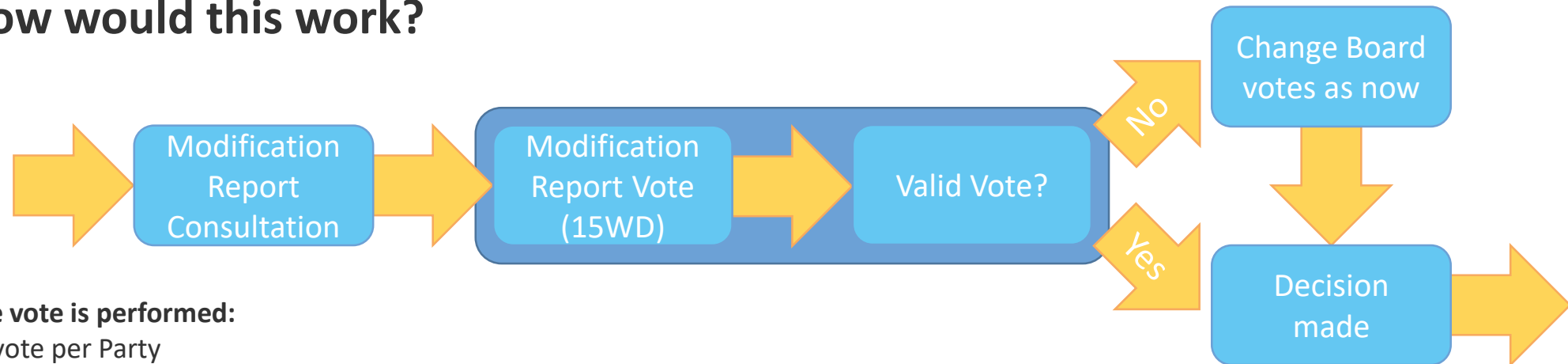




## ■ Summary

- Seeks to allow Parties to vote on Modification Proposal decisions

## ■ How would this work?



### How the vote is performed:

- One vote per Party
- Voters are split into their Party Categories:
  - Large Suppliers
  - Small Suppliers
  - Networks
  - Other Parties
- Each Party Category casts one collective vote based on majority view

### To be a Valid Vote:

- At least one vote received within each Party Category
- At least three Party Categories vote the same way
- The vote is not to return FMR to Panel



- **Impacts**

- All Parties would be able to vote on a Modification Proposal during Report Phase

- **Progress**

- Currently out for Working Group Consultation
  - Draft Modification Report will be presented to Panel in August
  - Targeted for implementation on 1<sup>st</sup> November 2018



- **Summary**

- Seeks to improve the User Security Assessment process where a User has engaged a Shared Resource

- **The User Security Assessment cycle**

Party type	User Entry / Year 1	Year 2	Year 3
Large Supplier	Full Assessment	Full Assessment	Full Assessment
Small Supplier	Full Assessment	Verification Assessment	Self-Assessment
Large Network	Full Assessment	Verification Assessment	Verification Assessment
Small Network	Full Assessment	Verification Assessment	Self-Assessment
Other User	Full Assessment	Self-Assessment	Self-Assessment

*Threshold to be large is 250,000 domestic premises*



- **What is the issue?**

- User's size is determined by its own portfolio and the **full** portfolio of any Shared Resource Provider they are using
  - Small participants are being subject to assessments as though they were large
- Shared Resource Provider is subject each separate assessment for every organisation that uses them

- **The solution**

- User's size determined by its own portfolio only (including those being handled by the Shared Resource Provider on their behalf)
- Shared Resource Providers become Parties and are subject to their own separate assessments – results used under the other Users assessments



- **Impacts**

- Small Suppliers and Network Operators will have a less onerous cycle of assessments
- Shared Resource Providers will only need one assessment per year

- **Progress**

- Draft Modification Report being presented to Change Board for vote in July
- Targeted for implementation on 22<sup>nd</sup> August 2018



- **Summary**

- Proposes changes to enable ENPs to use Smart Meter infrastructure to modify Electric Vehicle charging load within a household, to avoid the risk of overloading low voltage circuits from secondary substations to properties, and therefore avoid power outages

- **Impacts**

- Impact on Suppliers and Electricity Network Parties – scale to be determined

- **Progress**

- Held a first Working Group meeting and now preparing for the second

# SECMP0049, SECMP0050 & SECMP0051

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- **What was the SEC Section D Review?**
  - We initiated a review of Section D
    - Seek improvements in process to make it more efficient
  - Workshop was held and a consultation was issued
  - Three modifications were raised to progress the recommendations

# SECMP0049, SECMP0050 & SECMP0051

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- **SECMP0049**

- Seeks to introduce a pre-modification process – the Development Stage
  - Change Board would help Proposers develop proposals and act as a sounding board before entering the formal process
- Also proposes Change Board votes on requesting an Impact Assessment

- **SECMP0050**

- Seeks to move details of how Working Groups are formed and operate out of the SEC

- **SECMP0051**

- Seeks to align the Fast Track Modification process to other Codes



# SECMP0049, SECMP0050 & SECMP0051

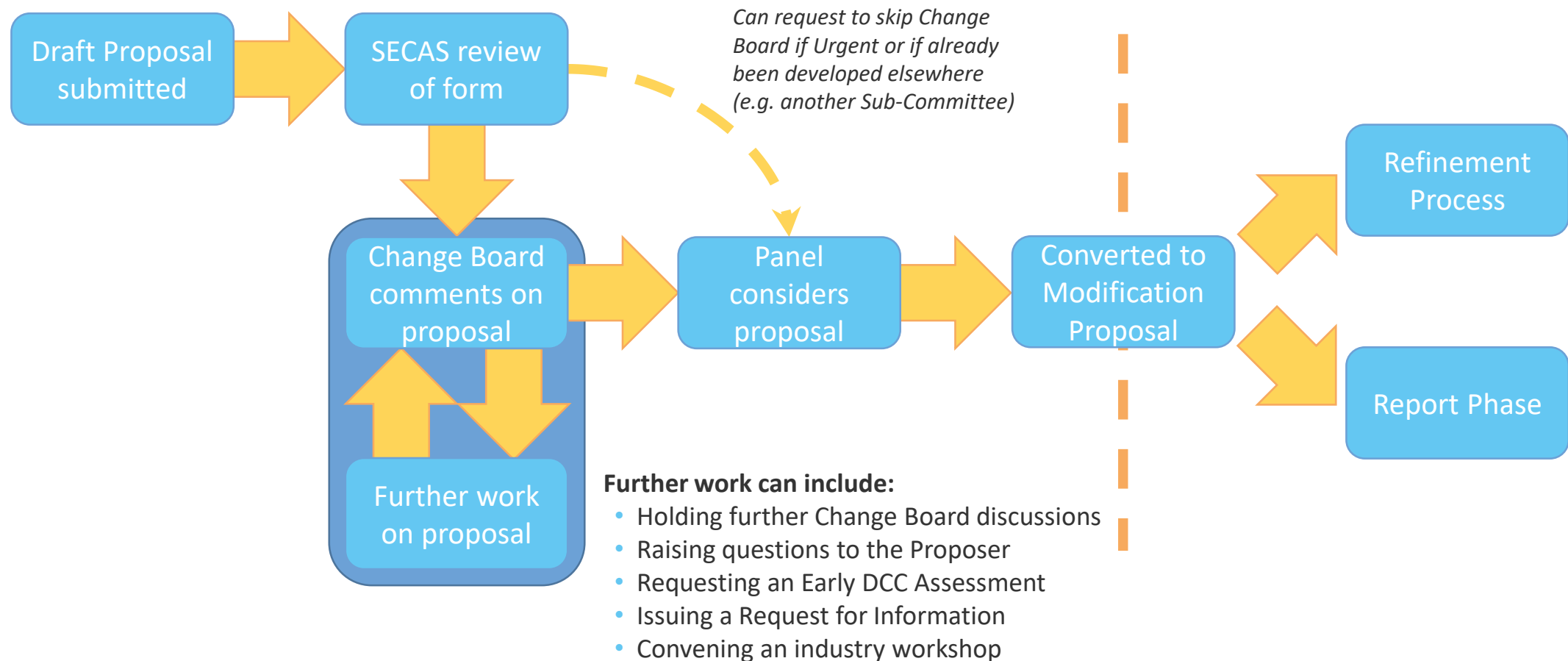


- A **‘pre-modification process’**
  - Introducing a ‘pre-modification process’, dubbed the ‘Development Stage’
  - Allows potential proposals to be discussed and developed before entering the ‘formal’ process



# SECMP0049, SECMP0050 & SECMP0051

## ■ How would the Development Stage work?



# SECMP0049, SECMP0050 & SECMP0051

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- **How would this improve the process?**

- A review in the Development Stage can negate the need for the Refinement Process
  - Fewer Working Groups, which will be focused on the more complex modifications
- A better understanding of the issue up-front will help Working Groups to focus on appropriate solutions during Refinement Process
- More industry engagement up-front allows Proposers to refine their proposals
  - What is the industry appetite for the change?
  - What are the likely impacts?
  - Are there other ways to resolve the issue?

# SECMP0049, SECMP0050 & SECMP0051

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- **Impacts**

- All Parties that raise modifications or get involved in Working Groups would be affected by the new processes

- **Progress**


- Draft Modification Reports being presented to Panel in July, followed by Modification Report Consultations
  - Targeted for implementation on 1<sup>st</sup> November 2018
- 
- Once decisions on SECMP0041, SECMP0049, SECMP0050 and SECMP0051 are received, we will rework Section D into a better structured, plain English format

# Your views matter!

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- We are also reviewing the services we provide around the Modifications Process and will be making changes to these over coming months



We welcome any views and feedback you may have on these

# Where can you find further information?

- **SEC Modifications Register**
  - Provides an overview of all Modification Proposals and their impacts
  - Updated every week
  - You can find the register at [smartenergycodecompany.co.uk/modifications](https://smartenergycodecompany.co.uk/modifications)

Modification Register																
Modification					Overview					Decision						
Modification	Title	Progress	Date raised	PA	Summary	Latest progress	Change Board determination	Date of decision	Authority determination	Date of determination	Implementation date	May 16	Jun 16	Jul 16	Aug 16	Sep 16
Open Modifications																
IECMP0002	Add New Command to Read DMR Registers	Approved	13 Feb 16	PA 2	This proposal recommends a new single command to allow Supplier Users to directly read the DMR Registers on a smart meter. A new remote command would be added to SMETS2 and a new User Code to GDS to allow a user to read the DMR Registers on a meter that is operating in Programmed mode.	The Change Board noted on 26th March 2016 to reject IECMP0002. This modification is currently with the Authority for determination.	Reject	16 Apr 16			Targeted for 27 Jan 17					
IECMP0003	Include Tariff and Register Labels in SMETS2 Devices	E.ON	01 Mar 16	PA 2	The proposal seeks to include Tariff Label and Register Labels in smart metering devices and to allow them to be published on the Home Area Network (HAN) for display to the customer via HAN devices (e.g. web UI).	The Working Group have requested the DCC Impact Assessment, the current DCC target delivery date is 15th March 2016 after an extension period, resulting in a Working Group consultation in May 2016.										
IECMP0006	Specifying the number of digits for device display	IEE	01 Mar 16	PA 2	Includes a specification for the number of digits for device display of meter registers in SMETS2 in relation to the provision of energy measurement information.	On 29th September 2016, the Authority (BES) approved this modification subject to European Commission (EC) notification. The modification will be notified in draft to the EC. The decision to approve will come in to effect once the standard period has ended (30 days), provided that no comments have been received and/or that we are aware of no comments. On 26th March 2016, the SEC Panel recommended the implementation date be changed to 30th September 2016 to align with Release 2.0. The Authority approved this change of date on 29th March 2016.	Approved	27 Aug 17	Approved	29 Sep 17	30 Sep 16					
IECMP0007	Firearms update to standard HAN device	Approved	01 Mar 16	PA 2	This modification proposes including the capability to update firearms data (OTAs) for standard HAN devices (IEE / PPSM) on the DCC's infrastructure.	There was a Working Group Meeting on March 1st 2016. Following on from this question was posed to the SEC. SECACI was used to update the Business Requirements and create a new Working Group.										
IECMP0008	Provision of a DCC Alert (Emergency Service Request Error Response) for Smartmeter Service Request	Scottish Power	01 Mar 16	PA 2	Provides a new DCC Alert (Emergency Service Request Error Response) for Smartmeter Service Request.	On 29th September 2016, the Authority approved IECMP0008. On 30th March 2016, the SEC Panel recommended the implementation date be changed to 30th September 2016. In line with Release 2.0. The Authority approved this change of date on 29th March 2016.	Approved	27 Aug 17	Approved	29 Sep 17	30 Sep 16					
IECMP0009	Centralised Firearms Library	Approved	01 Mar 16	PA 2	Establishment of a repository of firearm data, with access provided to all Parties responsible for the management of SMETS2 and/or SMETS1 meters.	There was a Working Group Meeting on April 29th 2016. It was decided that a SECACI owned Information Repository will be developed, after a discussion with manufacturers to determine how much information they are willing to provide and security issues.										
IECMP0010	Introduction of triage arrangements for Communication Hub	British Gas	02 Mar 16	PA 2	SEC Proposer parties should be permitted to carry out basic 'trials' on Communications Hub following their internal form a 'conductor' property.	SECACI contacted the DCC for an update on the Preliminary Agreement and are working on a single remote DMR to be done for 15th May 2016 with the DMR to be presented to the Panel in January 2017.										
IECMP0011	Clearer solution to support Shared HAN solution	Siemens PLC	05 May 16	PA 2	Scale to enable shared solution for the standard 400V frequency to facilitate the efficient provision, installation, operation and interoperability of Smart Metering Systems in premises where standard HAN solution is not available and Shared HAN solution necessary.	The DCC has provided the Preliminary Impact Assessment for IECMP0011. SECACI has sent out an invitation to the industry looking for participants for the next Working Group. A one month extension was agreed, meaning the DMR presentation date to 15th May 2016 and the DMR to be presented to the Panel in January 2017.										
IECMP0012	Smart meter device diagnostic and triage	E.ON	04 May 16	PA 2	The proposal seeks to amend the SEC and DCC's systems to provide Suppliers with a means of performing quality assurance and fault diagnosis on SMETS2 devices returned by meter operators.	A 3 month extension period has been sought for this modification, this means the DMR presentation date to 15th July 2016 and with the DMR to be presented to the Panel in March 2017.										
IECMP0015	Add Timestamp to Read Metering Data Property Value registers message	E.ON	11 May 16	PA 2	The Gas Interconnector Property Value registers are returned from the Gas Property Function and so each message sent to the Gas Meter. Values returned are in the form of a timestamp and a value, the proposal is to amend the registers to include the timestamp.	A 3 month extension period has been sought for this modification, this means the DMR presentation date to 15th July 2016 with the next Working Group meeting to take place in the second quarter.										
IECMP0016	Standard Electricity Distributor Configuration Settings	Northumbria Powergrid	21 Jun 16	PA 2	Amendments to the Great Britain Connection Specification (GBCS) to specify the standard Electricity Distributor configuration settings to be applied to electricity meter meter by the Metering. Application of default configuration settings will reduce the need for Electricity Distributor to apply settings immediately after commissioning.	SECACI has made the Proposed version of clause 3.3 from SEC Appendix AC which already defines the standard configuration settings for the metering. The Proposed, on behalf of the DCC, plans to progress IECMP0016 and has its standardised data in the interim. Working Group activities will continue until the DMR presentation to the Panel on 15th April 2017.										
IECMP0019	ALCS Description Labels	IEE	14 Jul 16	PA 3	This Proposal recommends that there should be some form of guidance / rules (Naming Conventions) / standardisation when defining any of the 5 Auxiliary Load Control Switches (ALCS) or ALCS Connected Auxiliary Load Control Switches (ALCS-C).	SECACI has arranged provisional dates for the next VQ meeting in 2016 and will be in touch shortly with an invitation to participate in a Working Group. To ensure that Working Group activities can be completed, a 3 month extension has been sought and the DMR will now be presented to the Panel on 15th April 2017.										
IECMP0023	Correct Units of Measures for Uncontrolled Gas Flow Rate	Approved	26 Oct 16	PA 3	Currently SECACI lacks the values of the Uncontrolled Gas Flow rate to be in what is known as 'm3'. This modification proposes to change that to allow m3 with accuracy to 3 decimal places to be provided.	The DCC Preliminary Agreement was reached on 15th April 2017. A 3 month extension has been sought and the DMR will be presented to the Panel on 15th April 2017. The modification will also contain Modification Report Consultation plans and working responses and dates of play on the 16th May 2016.										

## Impact Matrix

Area of impact	SECMP 0001	SECMP 0002	SECMP 0003	SECMP 0004	SECMP 0005	SECMP 0006	SECMP 0007	SECMP 0008	SECMP 0009	SECMP 0010	SECMP 0011	SECMP 0012
<b>Parties</b>												
Suppliers		X		X	X	X	X	X	X	X	X	X
Gas Networks					X					X	X	X
Electricity Networks			X		X					X	X	X
Other				X	X	X	X	X	X	X	X	X
DCC		X	X	X	X		X	X	X	X	X	X
<b>Documents</b>												
<b>SEC</b>												
Section A - Definitions and Interpretation				X				X			X	
Section B - Accession												
Section C - Governance												
Section D - Modification Process	X											
Section E - Registration Data					X							
Section F - Smart Metering System Requirements									X			
Section G - Security								X	X			
Section H - DCC Services				X							X	X
Section I - Data Privacy												
Section J - Charges												
Section K - Charging Methodology												
Section L - Smart Metering Key Infrastructure												
Section M - General												
Section N - SMETS1 Meters												
Section O - Testing During Transition												
Section P - Transition												
Section Q - The All HAN Arrangements												
Schedule 1 - Framework Agreement												
Schedule 2 - Accession Agreement												
Schedule 3 - Specimen Bilateral Letter												
Schedule 4 - SECCO												
Schedule 5 - Accession Information												
Schedule 6 - Specimen Form of Letter of Credit												
Schedule 7 - Specimen Enabling Services Agreement												
<b>Subsidiary Documents</b>												
Appendix A - Device Certificate Policy												
Appendix B - Organisation Certificate Policy												
Appendix C - SMI Compliance Policy												
Appendix D - Registration Authority Policies and Procedures												
Appendix E - DCC User Gateway Services Schedule			X	X				X				
Appendix F - Minimum Communication Services for SMETS1 Meters												
Appendix G - DCC Gateway Connection Code of Connection												
Appendix H - CH Handover Support Materials										X		

# Where can you find further information?

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- **SEC Modification webpages**
  - A dedicated webpage for each Modification Proposal
  - You can reach these pages at [smartenergycodecompany.co.uk/modifications](https://smartenergycodecompany.co.uk/modifications)
- **Change Status Report**
  - Monthly update to Panel on progress with modifications and releases
  - You can find the latest one at [smartenergycodecompany.co.uk/modifications](https://smartenergycodecompany.co.uk/modifications)
- **SEC Modifications Question Hour**
  - Every month on the Monday before Panel from 11:00-12:00
- Contact us at [sec.change@gemserv.com](mailto:sec.change@gemserv.com)

Any questions?

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# Managing Agile Changes to the DCC SSI

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Tim Newton, SECAS

# Background & Request

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- Limited use of SSI to date;
- Feedback that SSI not meeting customer needs
- Detailed specification in SEC appendix AH not easy to modify through existing governance
- DCC proposal to Panel with support of Operations Group to make Non Functional changes to the SSI; and
- Develop a modification to remove the detailed SSI specification from the SEC and replace with a principle set of requirements.

# Agreement

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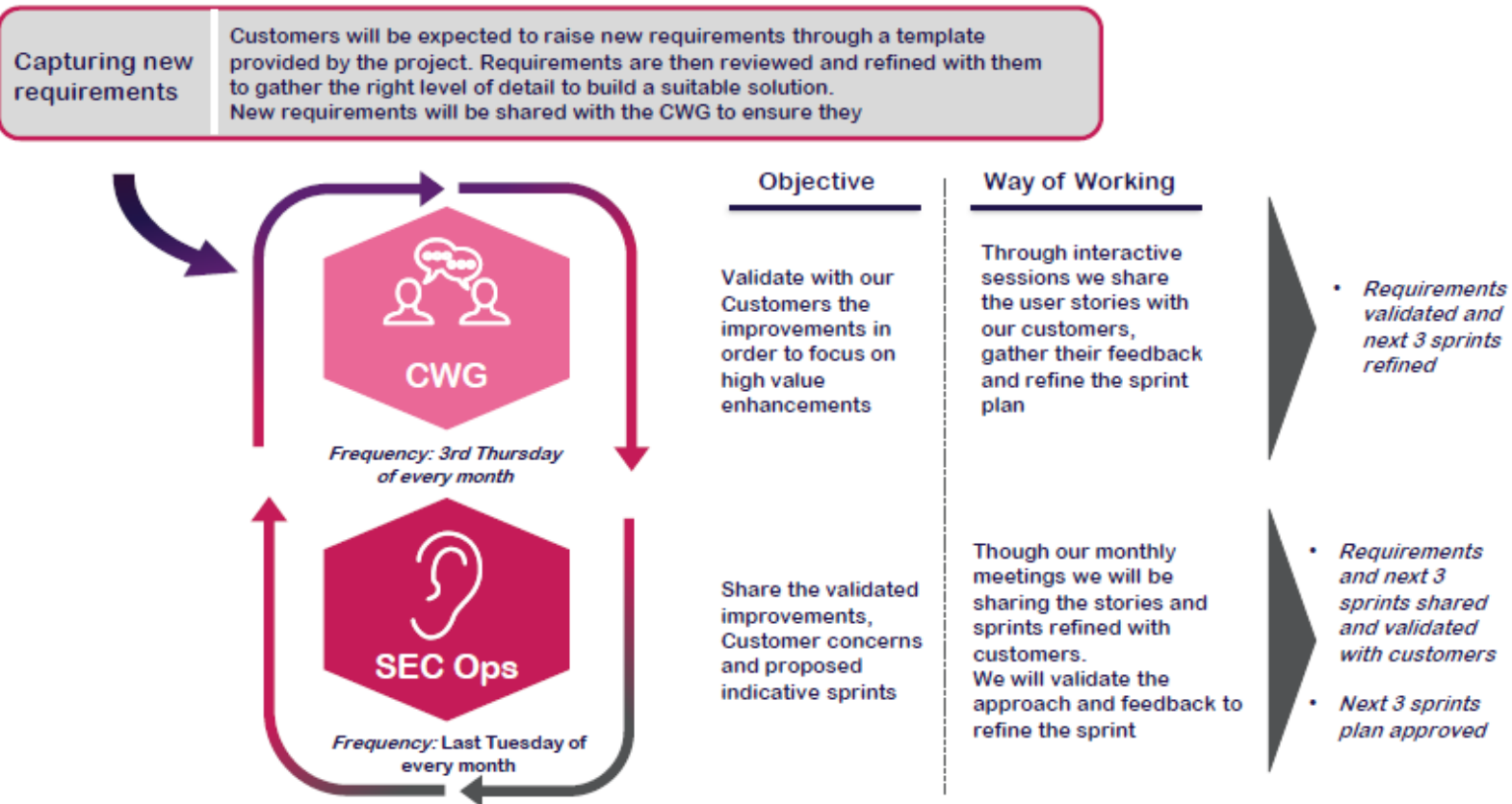


- The Panel has agreed that Non Functional changes to the SSI can be undertaken by the DCC and overseen by the Operations Group.
- Non Functional incremental changes to the SSI will enable changes to speed, search and content and enhancements to existing functionality deployed. This does not remove any of the existing functionality in place.
- The DCC is in process of raising a modification to progress its proposed change to the SSI specification; DCC rationale is that this will assist with making speedier changes to the SSI in future.
- The Panel agreed that SECAS would work with the DCC to consider how governance may operate in the future.

# How is this working?

## Our governance bodies

We will be engaging on a regular basis with our stakeholders with the objective to validate that we are focusing on value added outcomes



# Information Provided



## Last sprint



Deployed on 28th April

*Approx. cost £50k – £75k*

✓	<b>Requirement</b>	<b>Premises related incident pre-population (Raise Incident)</b>
	Description	When raising incidents SSI/SSMI presents the user with a list of questions populated dynamically from data in Remedy. Dynamically generated questions are not currently presented when raising Premises Related Incidents.
	Benefit	Improved first time fix rate and response rate - More complete information regarding premises related incidents, which will account for a majority of projected incidents.
✓	<b>Requirement</b>	<b>Service Audit Trail search efficiency (Service Audit Trail)</b>
	Description	When viewing incidents in the Service Audit Trail, time is being spent unnecessarily navigating through screens.
	Benefit	Self service - The users will no longer see aggregate lists when there are fewer than 50 results returned, providing fewer steps to the user when carrying out SAT searches and improving the Customer experience.
✓	<b>Requirement</b>	<b>Alert Broadcast Refresh (DCC Service Alerts)</b>
	Description	There is up to a 20 minute delay on SSI picking up the alert broadcast (in Remedy). This needs a SSI fix to be more timely/responsive.
	Benefit	Volume reduction-The broadcasts will be updated every minute rather than every 20 minutes, making the information more relevant for the users

DCC Controlled – SEC Ops Group

# Information Provided



## Next Sprint



Deployment scheduled 5<sup>th</sup> June

*Approx. cost £50k – £75k*

1	<b>Requirement</b>	<b>Errors explained in text that users understand instead of error codes</b>
	Description	When diagnostics comes back with a CSP error, it displays an error code (ie. CSP-XXX). This change will provide an explanation of what the error is.
	Benefit	The proposed text for error messages will provide more meaningful and helpful feedback to users, improving the Customer experience and reducing calls to the Service Desk to explain the messages.
2	<b>Requirement</b>	<b>Ability to filter Incidents/ Work Items on the SSI by 'time left to SLA'</b>
	Description	The time to SLA Breach in the View Service Management Incidents list will display the value from the new field within Remedy and a drop-down filter will be added, allowing the user to filter incidents which are close to SLA breach (less than 24 hours until breach) or have exceeded SLA.
	Benefit	SSI Users will see 'time left to SLA' on search results and be able to filter/sort the results based on 'time left to SLA', which will enable them to prioritise and manage their incidents more effectively.
3	<b>Requirement</b>	<b>Implement the ability to enable SSI changes on a per Customer basis</b>
	Description	Change will enable DCC to deploy service improvement items on a per Customer basis and change the enablement status for other Customers when desired.
	Benefit	Changes can be implemented and delivered for exposure only to specific Customers. This provides more flexibility and can be used to provide "early access" to "beta" groups to test changes before full roll out.

DCC Controlled – SEC Ops Group

# Next Steps

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- DCC to submit Modification
- DCC SECAS to consider how best to progress modification
- SECAS to consider how Agile approach can be accommodated within existing Modification Process



# Questions?

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Tim Newton, SECAS



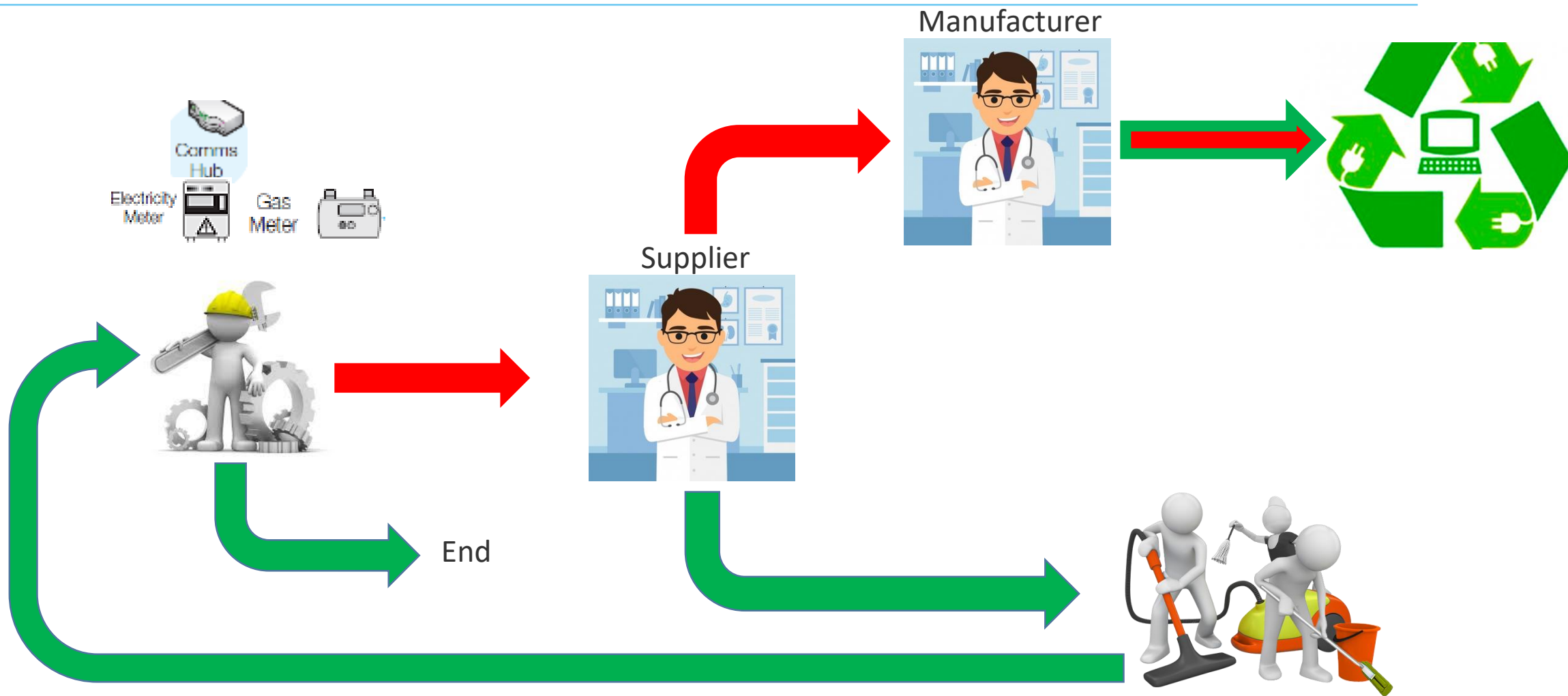


# Meter & Communications Hub Triage

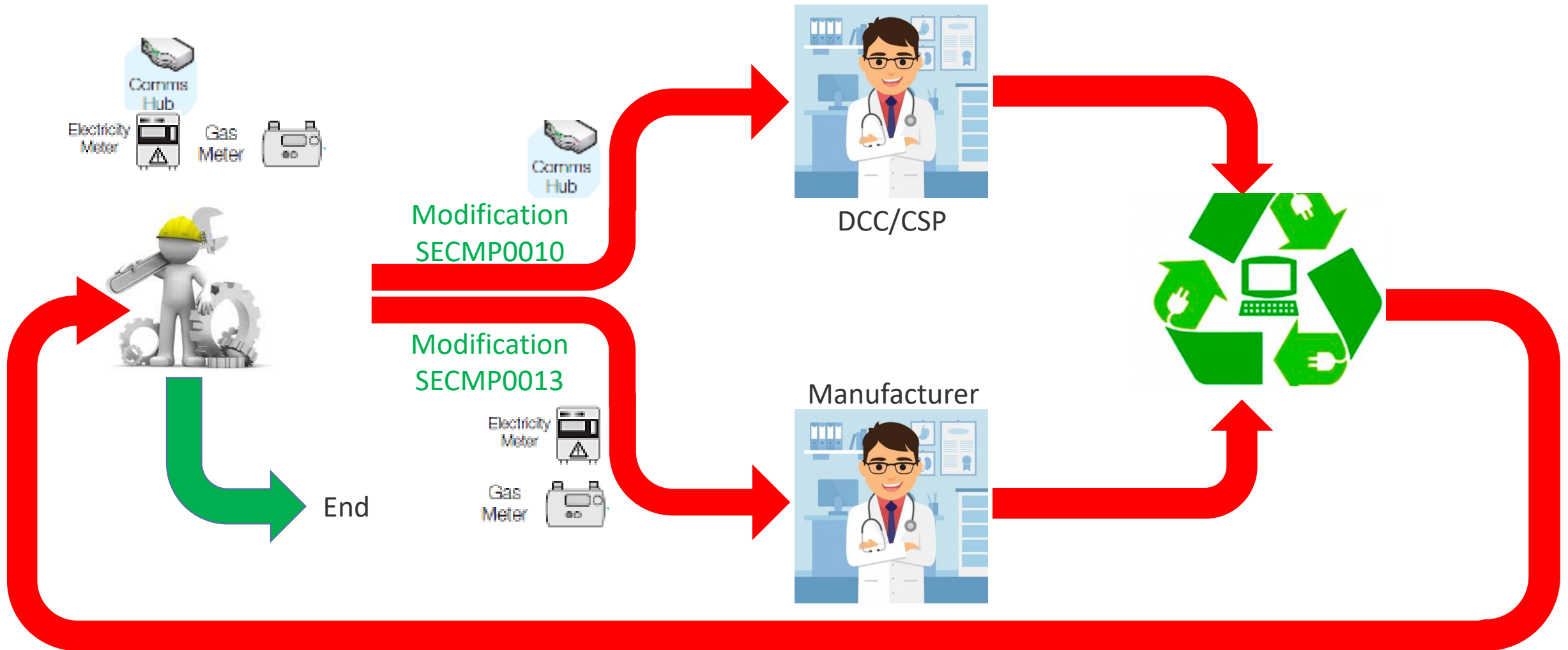
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Phillip Twiddy, SECAS and Ed Mace,  
DCC

# SMETS 1 Capabilities / Modification Objectives



# SMETS 2 Current Situation



# Modification Proposal – Communications Hubs

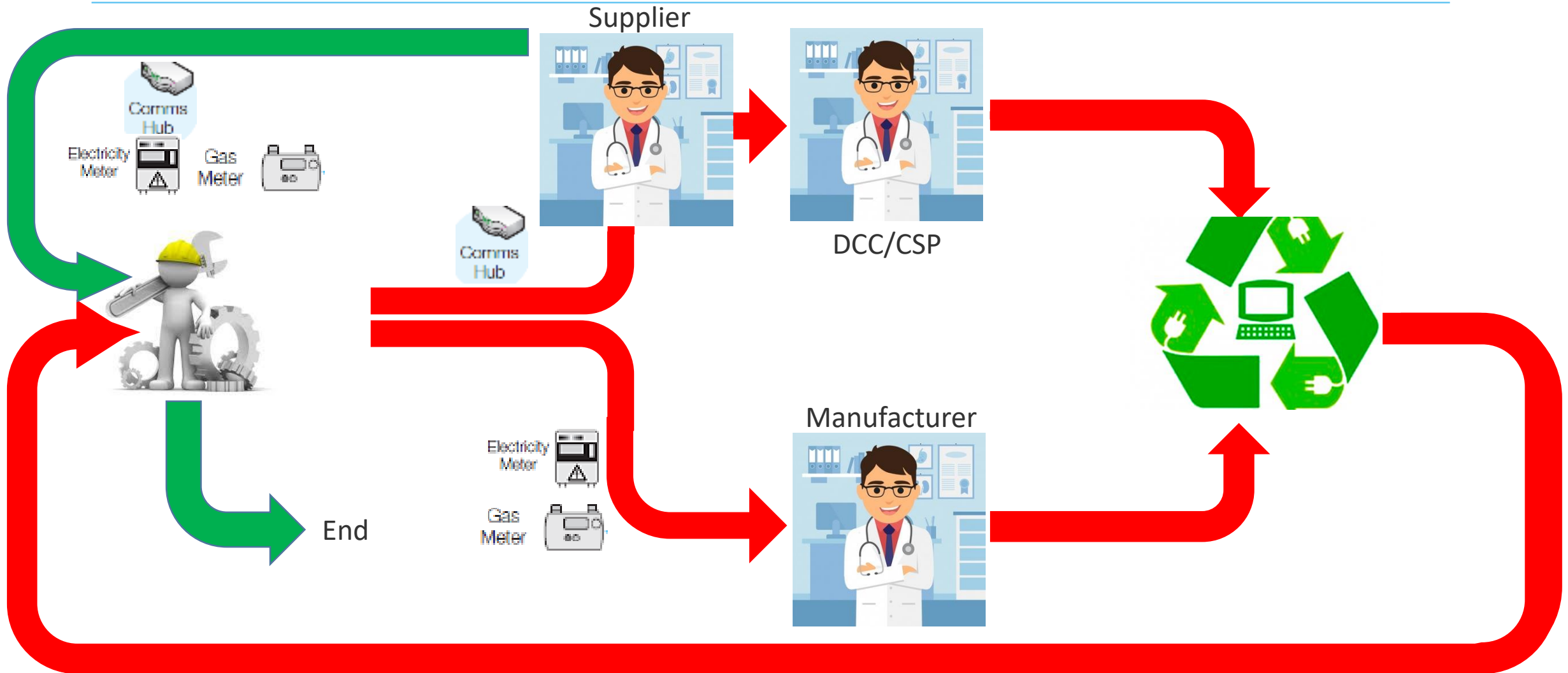


- [SECMP 0010](#): Introduction of triage arrangements for Communication Hubs (CH)



- Preliminary Assessment performed by DCC
  - Diagnostics in a 'screened room' in Supplier's premises (no on-site capability)
  - Hand Held Terminal to communicate with Communications Hub
  - New Commands to read diagnostic information & reset Communications Hub
  - Changes to CSP Systems to enable Communications Hub re-use
  - Significant security impacts that require investigation
  - Significant costs that require cost / benefit assessment

# SECMP0010 – New Capabilities



# Modification Proposal – Smart Meter Devices

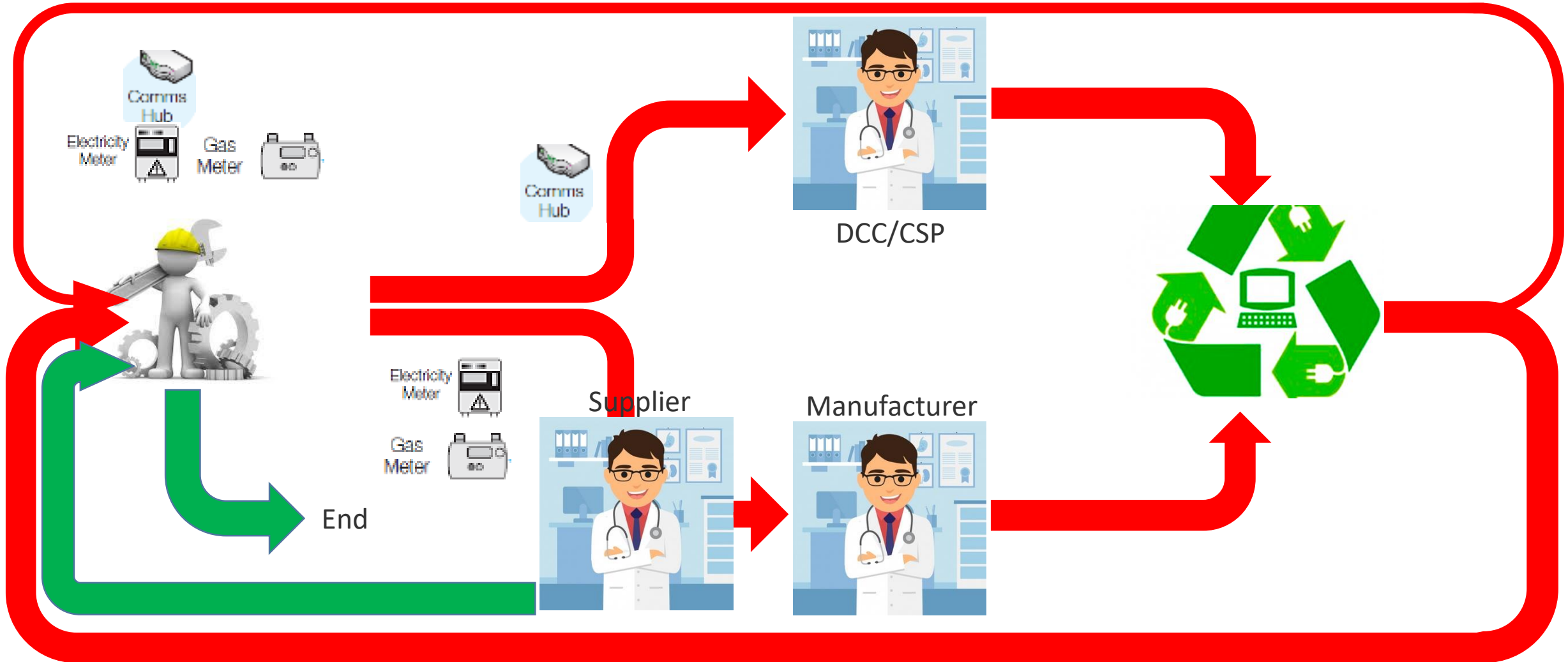


- [SECMP 0013](#): Smart meter device diagnostics and triage

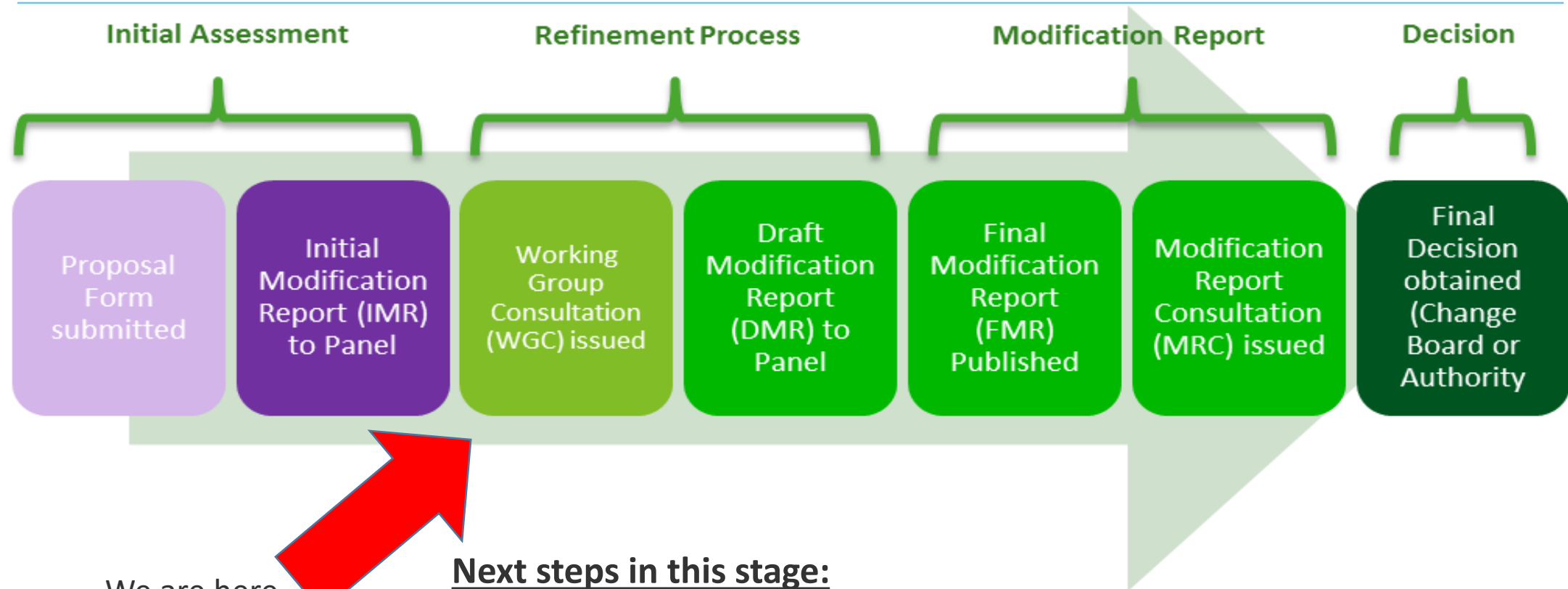


- Preliminary Assessment expected imminently from DCC, based on the business requirements:
  - Smart Meter should be able to leave HAN and join a new HAN
    - Likely only by original installing Supplier and in same DNO area
  - Smart Meter should be able to join a different HAN, including QA facility
  - QA facility should support full range of Service Requests
  - Likely to require use of Live (and not Test) Systems
  - Will impact DCC, Devices, SEC and other Codes
  - Likely to have significant security implications which need to be assessed
  - Likely to have significant costs that require cost / benefit assessment

# SECMP0013 – New Capabilities



# Modification Proposals – Next Steps



## Next steps in this stage:

- Receive Preliminary Assessment for DCC for SECMP0013
- Working Group to review Impact Assessments
- Working Group consultation with industry
- DCC Impact Assessment





# Questions?

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Phillip Twiddy, SECAS and Ed Mace,  
DCC



# Thank you for your attendance

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