

Initial Enrolment Project Feasibility Report

Timetable for Preparation



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1 Introduction

1.1 Purpose of the Document

Following direction from the Secretary of State to produce the Initial Enrolment Project Feasibility Report ('IEPFR')¹ and the subsequent issue of DCC's Invitation to Supplier Parties to propose Energy Meters to be included in scope of the IEPFR, DCC is publishing this timetable for production of the IEPFR in accordance with Section N4.2 of the SEC².

This timetable document details the dates by which we will require further information from Supplier Parties in order to include submitted meter cohorts in scope of the IEPFR.

This document also sets out deadlines for Supplier Parties to notify DCC of any additional Energy Meters they wish to include in the Report, or if they wish to exclude some or all of their Energy Meters from the scope of the Report.

1.2 Background

DCC will provide the shared infrastructure that links energy suppliers, network operators and other users with smart meters in both homes and small businesses. From the point at which DCC live operations commence in 2016, all energy suppliers should be able to use DCC's infrastructure to operate smart meters based on Smart Metering Equipment Technical Specifications Version 2 ('SMETS2').

In 2011, DECC initiated a Foundation Stage in which some energy suppliers have started to install smart meters prior to the commencement of DCC live operations. The Foundation Stage was designed to enable energy suppliers to build learning and experience of installing and operating smart meters, accelerate customer benefits and bring forward industry savings. These meters are typically based on Smart Metering Equipment Technical Specifications Version 1 ('SMETS1'), an initial standard created by the Government³.

In order to communicate with SMETS1 meters, energy suppliers have put in place their own data and communications infrastructure arrangements. This means that SMETS1 meters will be operating outside DCC at the point at which DCC live operations commence.

The Government's policy position is that DCC should assess how it could provide data and communications services for SMETS1 meters⁴. Section N of the Smart Energy Code ('SEC') sets out a requirement that DCC will prepare an IEPFR which assesses options for how SMETS1 meters could be brought under DCC management in order to achieve the shared benefits outlined in Government policy:

- enable more efficient and effective switching for customers with SMETS1 meters
- reduce the risk of meters being replaced before the end of their operating lives⁵.

¹https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/416031/20150324_IEPFR_Commencement_Direction_Letter_Final.pdf

² SEC Section N <https://www.smartenergycodecompany.co.uk/sec/sec-and-guidance-documents>

³ <https://www.gov.uk/government/publications/smart-metering-implementation-programme-technical-specifications>

⁴ Policy consultations are included at Annex D

⁵ Paragraph 22,

https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/299369/govt_response_enrolment_adoption_foundation_meters.pdf

In order to provide data and communications services for SMETS1 meters, DCC would be required to enrol meters that Supplier Parties state are currently, or will be at the point of enrolment, compliant with the SMETS1 technical specification and consider the feasibility of adopting communications arrangements established during the Foundation Stage. Section N of the SEC includes the process by which DCC will assess the feasibility of enrolling and adopting SMETS1 meters. Any implementations relating to the Initial Enrolment Project will be subject to decision from the Secretary of State.

On 30th April 2015 DCC received a direction that varies Section N of the SEC so that Sections N4.7-4.9 no longer apply. The variation instead requires DCC to:

- provide, with reasonable notice to Supplier Parties, appropriate opportunities, as defined by the DCC, for each Supplier Party to notify the DCC if they wish to include any additional Energy Meters, or exclude some or all their Energy Meters, from the scope of the Initial Enrolment Project Feasibility Report prior to the DCC consulting on the draft Initial Enrolment Project Feasibility Report in accordance with Section N4.5 of the Code; and,
- include or exclude (as applicable) from the scope of the Initial Enrolment Project Feasibility Report those Energy Meters notified in accordance with the requirement in paragraph (a) above (and, where no such notification is received from a Supplier Party, the DCC shall assume that all of the Energy Meters previously notified as being within the scope of the report remain within scope)⁶.

On 15th May 2015, DCC issued an Invitation to Supplier Parties for them to provide details of SMETS1 smart meters that Supplier Parties wish DCC to consider for enrolment and adoption ('the Invitation')⁷. Supplier Parties were required to respond to this invitation by no later than 26th June 2015. To date, nine Supplier Parties have submitted information for 13 solutions for inclusion in the scope of the IEPFR. A solution in this context refers to the combination of the technical and underpinning contractual arrangements put in place by each Supplier Party to enable the operation of each cohort of SMETS1 Meters, usually comprising SMSO and/or communications services.

Based on the information provided by Supplier Parties, DCC has commenced work on the IEPFR which will analyse and evaluate the feasibility, cost and risk of various options for enrolling eligible smart meters⁸. DCC will consult with the Panel, the Parties and other interested persons⁹ on the draft Report before submission to the Secretary of State who will then authorise DCC to proceed via a direction.

On receiving a direction from the Secretary of State, DCC will prepare and consult on the Initial Enrolment Code Amendments ('Code Amendments') required to enable delivery of one or more options for enrolment and adoption. Should the Secretary of State then amend the SEC, DCC will commence implementation via an Enrolment Project. The high level process for the Initial Enrolment Project is illustrated in figure 1 below.



Figure 1: Initial Enrolment Project Process

⁶ Letter directing a variation to SEC Section N <https://www.smartenergycodecompany.co.uk/docs/default-source/sec-documents/secretary-of-state-variations/sos-letter-of-designation-for-the-purposes-of-section-n3-2-of-the-sec-for-the-initial-enrolment-project-feasibility-report.pdf>

⁷ <https://www.smartdcc.co.uk/about-dcc/future-service-development/enrolment-and-adoption/>

⁸ The Minimum SMETS1 Services which DCC is required to support through these options are listed in Annex F.

⁹ In accordance with Section N4.5 of the Smart Energy Code <https://www.smartenergycodecompany.co.uk/sec/sec-and-guidance-documents>

On 27th August 2015 DCC issued a notice to Supplier Parties to set out the closing dates for submissions. This notice is in accordance with the aforementioned direction to provide Supplier Parties reasonable notice to include additional Energy Meters in the IEPFR. Please refer to Annex B of the notice issued 27th August for details on how Supplier Parties should notify DCC of any additional Energy Meters they wish to include in the IEPFR, and how to exclude some or all of their Energy Meters from the scope of the IEPFR.

2 DCC's Approach to the IEPFR

2.1 Approach

In producing the IEPFR, DCC will consider potential options for enrolling SMETS1 meters (including adopting the associated communications contracts). DCC will evaluate the feasibility, costs and risks associated with these options.

The key analysis activities that DCC are carrying out in order to develop the IEPFR include:

- **Assessment of technical options**, including consideration of the level of integration between existing SMETS1 solutions and DCC's systems and infrastructure, and the potential scope of SMETS1 services, in addition to the minimum SMETS1 services defined in the SEC, that DCC could support
- **Commercial assessment**, including:
 - Consideration of whether DCC should adopt the existing communications contracts, based on an assessment against the Adoption Criteria (included at Annex E) and other relevant considerations
 - Depending on the technical options to be assessed, consideration of whether DCC should establish commercial relationships with existing SMSOs
 - Consideration of whether any existing DCC Service Providers' contracts should be changed to support potential solutions
 - Consideration of whether DCC should establish any new contracts to support potential solutions
- **Security risk assessment** to identify the security risks associated with communicating with SMETS1 meters via DCC's systems and infrastructure, in order to protect DCC, Users and Smart Metering systems and create a plan to mitigate these.
- **Service management assessment** to consider the potential service management arrangements for SMETS1 solutions that may be enrolled and adopted by DCC
- **Implementation design**, including development of a proposed approach and timescales for the implementation of options (including testing) via an Initial Enrolment Project, and
- **Evaluation (costs, benefits and risks) of the different technical and implementation options**, including identification of potential costs to Parties and future costs of change.

DCC may choose to undertake proof of technology testing as part of the implementation design and options appraisal. Proof of technology testing could significantly reduce risks of final options proposed and therefore may be scheduled later in the IEPFR project. Note that DCC Service Provider participation in this project does not imply any preference in relation to the eventual options or solution to be implemented by DCC.

The development of the IEPFR and any subsequent Code Amendments is being delivered by a project team resourced separately to the core DCC programme. As the timescales of IEPFR and

DCC live overlap, the separate project team is necessary to ensure that the development of the IEPFR does not impact on the development and implementation of the DCC systems and services which enable enrolment of SMETS2 meters.

2.2 Iterations of Design and Appraisal

DCC will build on the information gathered through the Invitation phase to design and appraise the implementation options for the Initial Enrolment Project. These options will include both technical approaches and commercial constructs. The first iteration will identify and assess at a high level the set of possible options. The appraisal will identify those options, or components of those options, that are not feasible or not economically viable in comparison to other options.

The options and option components that are considered by DCC to be both potentially feasible and economically viable will be taken forward to a second stage of design work and will feature in the full appraisal described in the IEPFR.

This approach is set out in section 3.2 of this document.

3 IEPFR Timetable

3.1 Introduction

This section of the document outlines the timetable for the production of the IEPFR. DCC has outlined where Supplier Party input will be required throughout the process. For convenience, DCC has included much of the information from the DCC Notice to close submissions issued 27th August 2015 in this section.

3.2 Timetable

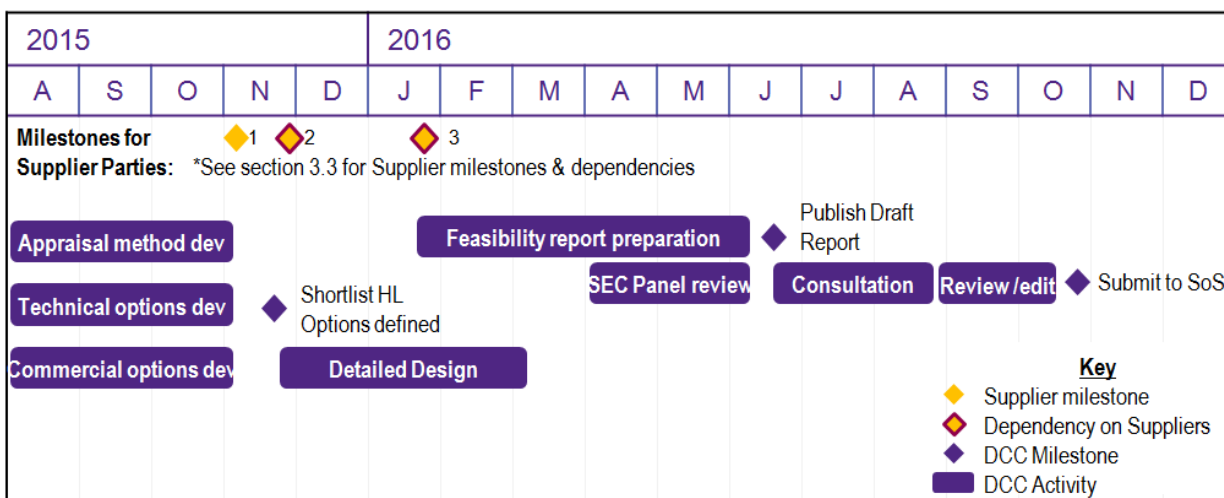


Figure 2: Timetable for IEPFR

Milestones for Supplier Parties are explained in section 3.3 below. Please note that the timetable may be subject to change as the IEPFR progresses. In the event of change to Supplier Party and DCC milestones, DCC will issue a notification to Supplier Parties communicating this change.

Step One

In autumn 2015, DCC will develop the high level technical and commercial options for enrolment of SMETS1 meters. In conjunction with these activities, the appraisal method will also be developed in more detail. The high level design phase of the project will ensure that all options are assessed objectively prior to defining the shortlist of options to pursue in the IEPFR. This activity mitigates the risk that a feasible option would not be considered.

Step Two

Once the shortlist of commercial and technical enrolment and adoption options is defined, DCC will progress the detailed design for each. In order for DCC to provide analysis on the costs and risks for each reasonable option for Initial Enrolment, DCC will require all outstanding information from Supplier Parties in order to complete this design stage. Towards the end of this stage of the project, DCC will also require the final volume forecasts for the meter solutions to inform the volume sensitivity analysis which will be included in the IEPFR.

Step Three

Once the draft IEPFR is complete, DCC will liaise with the SEC Panel to ensure that any information which is deemed to risk compromise to the DCC Total System, User Systems and/or Non-Gateway Supplier Systems is redacted before publication. Once published, interested persons will be consulted on the draft report for a minimum of two months.

3.3 Key Milestones and Activities for Suppliers

DCC will continue to accept responses to the Invitation for as long possible to ensure the most accurate data set is used in production of the IEPFR.

DCC recognises that some Supplier Parties intending to invest in SMETS1 solutions may not currently have solutions in place and that gathering the required information for an early closing date will pose a challenge.

Changes to the scope of the IEPFR, or previously submitted meter volumes, close to the publication of the report may lead to a substantial amount of re-work on parts of the IEPFR, resulting in an overall delay to the consultation with potential impacts on implementation timescales and costs.

DCC recognises that the nature of changes to scope submitted by Supplier Parties will have different levels of impact on the IEPFR and that the introduction of new meter cohorts submitted will have a more significant impact on the IEPFR than additional volumes of existing meter cohorts.

DCC has been mindful of all these considerations when determining the deadlines for final submissions to the report which are detailed in the below table.

Please note that the dates below are final deadlines, and earlier responses are strongly encouraged.

Type	Plan Ref.	Action	Deadline
New submissions	1	Deadline for Supplier Parties to register intention to submit new meter cohorts and nominate contacts to upload responses to SharePoint	Monday 2 nd November 2015
	2	Deadline for Supplier Parties to submit new meter cohorts	Friday 27 th November 2015
Existing submissions	2	Deadline for Supplier Parties to notify of previously submitted meter cohorts to be excluded from scope	Friday 27 th November 2015
	2	Changes to previously submitted solutions relating to previously submitted meter cohorts	Friday 27 th November 2015
	3	Changes to meter volumes for previously submitted solutions	Friday 29 th January 2016

A new response is defined for this purpose as either:

- a first response from a Supplier Party that has previously not responded to the Invitation;
- a supplementary response including a new technical solution, changes to SMSO or Communications provider[s] and/or new meter types from a Supplier Party that has already responded to the Invitation.

Any changes relating to technical solutions and meter types already submitted will need to be submitted to DCC on or before Friday 27th November 2015 in order to be included in scope of the IEPFR.

DCC welcomes updated forecast meter volumes of installed SMETS1 meters from Supplier Parties that have already responded to the Invitation on or before Friday, 29th January 2016. Further details on how to provide updates or additional responses to DCC is included in Annex B of the DCC notice issued 27th August.

Other Activities for Stakeholders:

The Stakeholder Forums will be open to all SEC parties. DCC will use these opportunities to update Supplier Parties on progress and communicate emerging positions and options. These forums will provide Supplier Parties the opportunity to provide feedback to DCC on the developing IEPFR.

October 2015: Attend Stakeholder Forum to review IEPFR evolving options.

Spring 2016: Attend Stakeholder Forum to review IEPFR preferred shortlisted options.

Summer 2016: Provide responses to consultation on the draft IEPFR.

3.4 Additional Solutions Raised After the Closing Date

As outlined in the consultation on New Smart Energy Code Content (Stage 4) issued 30th June 2014¹⁰, a distinction between the Initial Enrolment Project and any subsequent projects needs to be made. Any additional solutions which Supplier Parties wish to raise following the 27th November 2015 closing date will need to be considered for enrolment and adoption via the Modification Process as outlined in section D of the SEC.

Supplier Parties should note that, at the time of writing this document, only Modification Proposals that are either an Urgent Proposal or a Fast-Track Modification may be raised. The consultation on the SEC Modification Process closed 1st September 2015 and the outcome remains outstanding¹¹.

3.5 Dependencies

The high level timetable detailed in section 3.2 of this document includes a number of external and internal dependencies. Given that the quality and depth of the IEPFR is directly correlated to the information received from Supplier Parties and their supply chains, DCC will continue to work closely with Supplier Parties to ascertain the lower level detail required to develop the IEPFR. DCC are dependent on Supplier Parties adhering to the deadlines specified in this document in order to include their associated meters in scope of the IEPFR.

As the IEPFR develops, DCC will need to liaise with the SEC Panel to assess the security risk mitigation report and redactions of information which may pose a risk of compromise ahead of publication. In order to secure their availability, DCC will engage with these stakeholders early in the development of the IEPFR.

¹⁰ See in paragraphs 396 and 397, section 15.1:

[https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/329306/SEC4 - Consultation Document.pdf](https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/329306/SEC4_-_Consultation_Document.pdf)

¹¹ <https://www.gov.uk/government/consultations/consultation-on-new-smart-energy-code-content-and-related-licence-amendments-july-2015>

In addition to internal dependencies on the DCC core programme, the IEPFR is also dependent on the external DCC Service Providers to impact assess the IEPFR options on the existing DCC SMETS2 service. DCC will be careful to provide suitable notice to stakeholders of their required involvement and will be mindful of their wider responsibilities when issuing requests for information.

3.6 Assumptions

DCC assumes that Supplier Parties will engage with DCC throughout the IEPFR process, including providing forecast meter volume updates as requested by DCC. DCC will not be required to include new variants within the scope of the IEPFR based on these updates.

3.7 Beyond Preparation of the IEPFR

As per paragraphs N5 of the SEC, once formal approval is received from the Secretary of State DCC shall prepare Initial Enrolment Code Amendments and shall consult with the Authority, the Panel, the Parties and other interested persons.

Annex A: Information Handling

DCC will handle all information provided by Supplier Parties in response to the Invitation as Party Data in accordance with SEC Section M4 (Confidentiality)¹². Supplier Parties should state whether all, or any part, of their Party Data is confidential by marking as 'confidential' in accordance with Section M4.8 of the SEC.

Information provided by Supplier Parties will be used by DCC solely for the purposes of carrying out its responsibilities under SEC Section N.

Supplier Parties are reminded that DCC is required to publish the IEPFR for consultation (save for any redactions required for security purposes) and that a list of Eligible Products will be published if approval of the Code Amendments is received from the Secretary of State. Please note that DCC apply the following principles for information received for the IEPFR:

- We will use detailed commercial information within DCC to assess options for enrolment and adoption, including contracting requirements and modelling of industry costs. This information will only be shared with those members of the DCC team, Ofgem and DECC as required.
- We will aggregate industry cost numbers for inclusion in published materials, calculating industry average unit costs
- We will not publish information or analysis on individual contracts
- We will not publish specific pricing information relating to individual energy suppliers, SMSOs or communications services
- We will publish a high level view of the risk landscape for each option based on assessment of various domains within those options. Sensitive security information will be redacted but will be shared with members from the SEC Panel, DECC and Ofgem as required.

¹² <https://www.smartenergycodecompany.co.uk/sec/sec-and-guidance-documents>

Annex B: Engagement Approach

Introduction

During the development of the IEPFR, DCC will seek to work collaboratively and transparently with Supplier Parties as far as is possible given the commercial sensitivities involved in this project. This section of the document outlines the different forums and methods DCC will use throughout the IEPFR production.

Bilateral Meetings

Following an initial period of analysis of the Supplier Party responses, DCC scheduled a series of bilateral meetings with Supplier Parties to discuss their as-is solutions in more detail to inform the development of the IEPFR. It is likely that as the IEPFR and potential enrolment and adoption options develop, DCC will need to clarify further details with Supplier Parties. In this case further bilateral meetings will be scheduled.

SMETS1 Stakeholder Forum

At points throughout the production of the IEPFR, DCC will invite SEC parties to a Stakeholder Forum. DCC will use these opportunities to update Supplier Parties on progress and communicate emerging positions and options. These forums will provide Supplier Parties the opportunity to provide feedback to DCC on the developing IEPFR. For further details on the timeframes and topics of these forums, please refer to section 3.3 of this document.

DCC Industry Team

DCC will keep Supplier Parties apprised on progress through existing communication channels such as the DCC Industry Team.

Independent Supplier Forum Updates

DCC will provide updates on the progress of the IEPFR and communicate emerging positions and options via the Independent Supplier Forum run by DECC to ensure opportunities are available for all Supplier Parties to provide feedback to DCC.

SEC Panel Engagement

DCC will ensure that the SEC Panel remain apprised on progress of the IEPFR and any emerging positions and options throughout the course of the IEPFR.

In compliance with SEC paragraphs N2.11 and N2.12, DCC will consult the SEC Panel on the IEPFR firstly to ensure that security considerations have been sufficiently addressed and secondly, once the draft is finalised, to agree what information should be redacted to protect the DCC systems¹³.

Service Provider Impact Assessments

Once high level feasible options are defined, DCC will engage with existing DCC Service Providers in order to conduct initial impact assessments. These impact assessments will form part of the options appraisal in the IEPFR.

¹³ Including User Systems and/or Non-Gateway Supplier Systems.

Consultation on Draft Feasibility IEPFR

Following completion of the draft IEPFR, DCC will redact the IEPFR to protect sensitive security details. Once this is complete, there will be a period of consultation of no less than two months as required by paragraph N4.5 of the SEC. This is expected to be in summer 2016.

Annex C: Glossary of Terms

The following definitions are primarily based on SEC4.3 Section N1. Additional DCC terms are also included.

Adoption	means, in respect of a Communications Contract, to novate (with or without amendment) some or all of the Supplier Party's rights and obligations under the contract (to the extent arising after the date of novation) to the DCC; and " Adopt ", " Adopting " and " Adopted " shall be interpreted accordingly
Adoption Criteria	means the non-exhaustive criteria (including those set out in Section N3.7) against which the DCC will analyse and report upon the feasibility and cost of Adopting a Communications Contract in order to facilitate the provision by the DCC of the Minimum SMETS1 Services in respect of the Eligible Meters that are the subject of that contract
Communications Contract	means, in respect of an Energy Meter, the contract or contracts (or the relevant parts thereof) pursuant to which the Supplier Party has (or, will following installation, have) the right to receive communication services in respect of that Energy Meter
Eligible Meter	means, in respect of each Supplier Party, an Energy Meter which is: (a) either a SMETS1 Meter or subject to an upgrade plan which will result in it being a SMETS1 Meter prior to its Enrolment; and (b) installed at premises (or planned to be installed at premises) for which that Supplier Party is an energy supplier
Enrolment	means, in respect of a SMETS1 Meter, the establishment by the DCC of communications with the SMETS1 Meter such that the DCC can (on an ongoing basis) provide the SMETS1 Services in respect of the SMETS1 Meter (and the words "Enrol" and "Enrolled" will be interpreted accordingly)
Enrolment Project <i>DCC term</i>	means an implementation project to deliver the Initial Enrolment and any Adoption, as set out in the option or options that the Secretary of State directs DCC to implement following the submission of the Initial Enrolment Project Feasibility Report and the execution of Initial Enrolment Code Amendments
Head End <i>DCC term</i>	refers to systems that provide the message direction and translation functions that support communications between the Supplier and the SMETS1 meter via the WAN
Initial Enrolment	means the Enrolment of some or all of the Eligible Meters included within the scope of the Initial Enrolment Project Feasibility Report
Initial Enrolment Code Amendments	has the meaning given to that expression in Section N3.1 (Overview of Initial Enrolment)

(‘Code Amendments’)	
Initial Enrolment Project Feasibility Report (‘Report’)	has the meaning given to that expression in Section N3.1 (Overview of Initial Enrolment)
Invitation <i>DCC term</i>	Means the invitation sent by DCC to each Supplier Party seeking details of the Energy Meters of that Supplier Party which the Supplier Party wishes to be included within the scope of the Initial Enrolment Project Feasibility Report, as per Section N3.3
Minimum SMETS1 Services	means those communication services described in Appendix F (Minimum Communication Services for SMETS1 Meters)
SMETS1 Eligible Products List	has the meaning given to that expression in Section N2.14 (SMETS1 Eligible Products List)
SMETS1 Meter	means an Energy Meter that has (as a minimum) the functional capability specified by and complies with the other requirements of the SMETS that was designated on 18 December 2012 and amended and restated on 31 March 2014 (but not any subsequent version of the SME Technical Specification)
SMETS1 Services	means those communication services described in Section N2.2 (SMETS1 Services)
SMSO <i>DCC term</i>	refers to the Smart Metering System Operator that provides the Head End and User Interface service for existing SMETS1 solutions
WAN <i>DCC term</i>	Wide Area Network

Annex D: Links to Relevant Policy Documents

Smart Energy Code

Smart Energy Code 4.3 Section N SMETS1 Meters

<https://www.smartenergycodecompany.co.uk/docs/default-source/sec-documents/smart-energy-code-4.3/sec-4-3-section-n---smets1-meters.pdf?sfvrsn=5>

Smart Energy Code 4.3 Appendix F Minimum Communication Services for SMETS1 Meters

<https://www.smartenergycodecompany.co.uk/docs/default-source/sec-documents/smart-energy-code-4.3/sec-4-3-section-n---smets1-meters.pdf?sfvrsn=5>

Letter of Direction to DCC

Letter directing DCC to commence the Initial Enrolment Project Feasibility Report (March 2015)

https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/416031/20150324_I EPFR Commencement Direction Letter Final.pdf

Government Consultations

Government response to the Smart Metering Rollout Strategy consultation (July 2015)

https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/450167/Smart_Meters_Rollout_Strategy_Government_response_FINAL.pdf

Response and further consultation on the regulatory arrangements for enrolment and adoption of foundation meters (March 2014)

https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/299369/govt_response_enrolment_adoption_foundation_meters.pdf

Consultation on the Regulatory Arrangements for Enrolment and Adoption of Foundation Meters (December 2013)

https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/267319/2013_12_16_FSM_Consultation_Final_for_Publication.pdf

The Government's Final Response to the Consultation on the Foundation Smart Market (July 2013)

https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/225054/Foundation_Smart_MarketFINAL.pdf

The Government Response to the Consultation on the Foundation Smart Market and Further Consultation (May 2013)

https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/225055/FSM_Consultation_Response_FINAL_0900_10-05-13.pdf

Foundation Smart Market Consultation Document (November 2012)

https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/66569/6860-foundation-smart-market-consultation-doc.pdf

Annex E: Adoption Criteria

The Adoption Criteria are the non-exhaustive criteria which will aid DCC in its assessment of whether it should adopt an existing communications contract in order to provide communications services for SMETS1 meters.

The Adoption Criteria are taken from Annex 1 of ***Response and Further Consultation on the Regulatory Arrangements for Enrolment and Adoption of Foundation Meters (March 2014)*** www.gov.uk/government/uploads/system/uploads/attachment_data/file/299369/govt_response_enrolment_adoption_foundation_meters.pdf:

SMETS1 services as defined in the SEC	Must support the provision of the core communications services by DCC relevant to SMETS1 meters (for example this excludes certain capabilities of SMETS2 meters related to load control and data on maximum and minimum demand)
Terms and Conditions	Reasonable Terms and Conditions, as defined below
Novation Clause	Satisfactory clause to enable adequate contract novation to the DCC, or an agreement at the time of enrolment to enter into a contract with the DCC on equivalent terms. Where more than one contract is being novated, each novation does not need to occur on the same date.
Termination	Reasonable term remaining on the contract, or a clause allowing rollover of the contract by mutual consent. The only right of termination by the communications provider must be for non-payment and this would be on similar terms to those envisaged for the CSP contracts Notice period for DCC terminating provision of communications to an individual connection point should be 3 months maximum DCC will have immediate right of termination for material breach of contract, consistent with the relevant provisions in the SEC No right for the service provider to receive compensation at the natural expiry of the contract or in the event that the contract is terminated for default on the part of the service provider. This criteria is to allow DCC to engage in commercially efficient re-negotiation and consolidation of contracts.
Liability	Liability limit for communications provider proportionate to the value of the contract, as would be reasonably expected in this market and is consistent with the relevant provisions in the SEC
Loss	Contract addresses communications provider liability for loss and requirement for appropriate insurance cover and is consistent with the relevant provisions in the SEC
Exclusivity and restrictive terms	Any restrictive terms relating to the energy supplier and the communications provider will need to fall away at the point of novation
Data ownership and security	Contract includes an undertaking to not process data in a way that would put DCC in breach of the obligations that it owes to SEC parties under data protection legislation Contract imposes obligations upon the communications provider that are required to support DCC's discharge of the obligations it faces under the SEC in relation to end to end security Contract doesn't attempt to absolve the communications provider from liability with respect to security breaches; penalties sufficiently

	incentivise the communications provider to comply with security requirements
Confidentiality	Contract must contain confidentiality provisions consistent with the DCC's obligations under SEC, such as those that restrict use of information other than for the purposes of this agreement
Disaster recovery and business continuity and incident management	Contract has clear responsibilities and plans for Disaster Recovery. Also contains appropriate provisions with regard to risk management, business continuity and incident management and these are consistent with the relevant provisions in the SEC
Intellectual Property Rights	Contract must provide for the transfer, or royalty free licensing, of IPR for IP developed in the entering into or performance of the foundation contract
Service Level Agreement - Availability - Fault Resolution - Network performance	SLAs exist and as a minimum provide service level expectations and incentives related to network availability, resolution of faults and network performance characteristics that are commensurate with the needs of the core service Novated SLAs can be maintained under a DCC environment with penalties for poor performance
Transparency and compliance	The contract contains nothing that would put the DCC in breach of its regulatory obligations

Annex F: Minimum SMETS1 Services

The Minimum SMETS1 Services are the minimum set of communications services that DCC must be able to support on enrolling any SMETS1 meter. The set of SMETS1 Services that DCC will actually support, which could replicate or exceed the Minimum SMETS1 Services, will be set out in the Report.

The Minimum SMETS1 Services are set out in SEC Appendix F Minimum Communication Services for SMETS1 Meters. <https://www.smartenergycodecompany.co.uk/docs/default-source/sec-documents/smart-energy-code-4.3/sec-4-3-appendix-f---minimum-communication-services-for-smets1-meters.pdf?sfvrsn=5>

The list of Minimum SMETS1 Services is included below for convenience.

Ref	Description
1.1	Update Import Tariff (prepayment)
1.1	Update Import Tariff (credit)
1.2	Update Price (prepayment)
1.2	Update Price (credit)
1.5	Update Balance
1.6	Update Payment Mode
2.1	Update Prepay Configuration
2.2	Top Up Device
2.3	Update Debt
2.5	Activate Emergency Credit
3.2	Restrict Access - CoT [Change Of Tenancy]
3.3	Clear Event Log
4.1	Read Instantaneous Import Register Values
4.2	Read Instantaneous Export Register Values
4.3	Read Instantaneous Prepayment Register Values
4.4	Retrieve Billing Data Log
4.8	Read Profile Data
4.10	Read Network Data

4.11	Read Tariff
4.16	Read Active Power Import
6.2	Read Device Configuration
6.4	Update Device Configuration (Load Limiting)
6.5	Update Device Configuration (Voltage)
6.6	Update Device Configuration (Gas Conversion)
6.7	Update Device Configuration (Gas Flow)
6.8	Update Device Configuration (Billing Calendar)
6.11	Synchronise Clock
6.12	Update Device Configuration (Instantaneous Power Threshold)
6.13	Read Event Or Security Log
6.15	Update Security Credentials
6.23	Update Security Credentials (CoS)
7.1	Enable Supply
7.2	Disable Supply
7.3	Arm Supply
7.4	Read Supply Status
11.1	Update Firmware
11.2	Read Firmware Version

Service requests to DCC as laid out in this table are not User-to-meter commands, and DCC will be required to build this capability into the SMETS1 enrolment project where matched by SMETS1 functionality.