

Dated: 23 September 2013

Smart Energy Code

VERSION CONTROL

Version Number	Implementation Date	Reason for Change	Overview of Modifications incorporated
1.0	23 rd September 2013	Designation by The Secretary of State pursuant to section 88(1) of the Energy Act 2008	First Publication
2.0	31 st March 2014	Modifications to SEC version 1.0 as directed by the Secretary of State pursuant to section 88(1) of the Energy Act 2008	Communications Hub Financing Provisions
2.1	6 th April 2014	Modifications to SEC version 2.0 as directed by the Secretary of State pursuant to section 88(1) of the Energy Act 2008	SEC2 amendments to sections of SEC already in force
2.2	27 th May 2014	Modification to SEC version 2.1 as directed by the SEC Panel pursuant to SECMP 0001	Updating the SEC to reflect abolition of the National Consumer Council
3.0	31 st July 2014	Modifications to SEC version 2.2 as directed by the Secretary of State pursuant to section 88(1) of the Energy Act 2008	Smart Metering System Requirements, Testing Service, Smart Metering Key Infrastructure and Appendices, Testing During Transition and SEC3 amendments to sections already in force
4.0	14 th January 2015	Modifications to SEC version 3.0 as directed by the Secretary of State pursuant to Section 88(1) of the Energy Act 2008	Security Governance, Assurance and Privacy, Communications Hubs, Enrolment and Adoption of SMETS1 meters and SEC4.0 amendments to sections already in force
4.1	26 th January 2015	Modifications to SEC version 4.0 as directed by the Secretary of State in accordance with SEC Section X3.1, SEC Section X5.4 and Condition 22 of the DCC Licence	Activation of Section H15, designation of the DCC Gateway Connection Code of Connection as a Subsidiary Document and consequential changes to sections already in force

4.2	18 th March 2015	Modifications to SEC version 4.1 as directed by the Secretary of State pursuant to Section 88(1) of the Energy Act 2008	Party and RDP Signifiers, Party, User and RDP Identifiers and SEC4.2 amendments to sections already in force
4.3	1 st July 2015	Modifications to SEC version 4.2 as directed by the Secretary of State pursuant to Section 88(1) of the Energy Act 2008	SEC Schedule 7 providing a Specimen Enabling Agreement, DCC Services and SEC4.3 amendments to sections already in force
4.4	14 th September 2015	Modifications to SEC version 4.3 as directed by the Secretary of State in accordance with SEC Section X5.4 and Condition 22 of the DCC Licence	Designation of the CH Handover Support Materials as a Subsidiary Document and consequential changes to sections already in force.
4.5	28 th September 2015	Modifications to SEC version 4.4 as directed by the Secretary of State in accordance with SEC Section X5.4 and Condition 22 of the DCC Licence	Designation of the Enduring Testing Approach Document as a Subsidiary Document and consequential changes to sections already in force.
4.6	21 st October 2015	Modifications to SEC version 4.5 as directed by the Secretary of State in accordance with SEC Section X5.4 and Condition 22 of the DCC Licence	Designation of the SMKI and Repository Test Scenarios Document and Subsidiary Document and consequential changes to sections already in force.
4.7	9 th February 2016	Modifications to SEC version 4.6 as directed by the Secretary of State in accordance with SEC Section X5.4 and Condition 22 of the DCC Licence	Designation of the SMKI Registration Authority Policies and Procedure (SMKI RAPP) and SMKI Recovery Procedure and consequential changes to sections already in force.
4.8	10 th February 2016	Modifications to SEC version 4.7 as directed by the Secretary of State pursuant to Section 88(1) of the Energy Act 2008 Modifications to SEC version 4.6 as directed by the Secretary of	Designation of further Communications Hub provisions. Designation of SMKI and DCC Key Infrastructure provisions. Designation of the CH Installation and Maintenance Support Materials (CHIMSM) and consequential changes to sections already in force.

		State in accordance with SEC Section X5.4 and Condition 22 of the DCC Licence	
4.9	9 th March 2016	Modifications to SEC version 4.8 as directed by the Secretary of State in accordance with SEC Section X5.4 and Condition 22 of the DCC Licence	Designation of SMKI Interface Design Specification, SMKI Code of Connection, SMKI Repository Interface Design Specification, SMKI Repository Code of Connection, IKI Certificate Policy and the Common Test Scenarios Document. Re-Designation of the DCC Gateway Connection Code of Connection and consequential changes to sections already in force.
4.10	18 th April 2016	Modifications to SEC version 4.9 as directed by the Secretary of State in accordance with SEC Section X6	Designation of provisions for Interim Device and User Testing (Section X9).
4.11	6 th June 2016	Modifications to SEC version 4.10 as directed by the Secretary of State pursuant to SEC Section X3.1, X5 and Condition 22.27 of the DCC Licence	Activation of Sections H1, H2 and H3.22 Designation of the DCCKI Certificate Policy and DCCKI Registration Authority Policies and Procedures
4.12	15 th June 2016	Modifications to SEC version 4.11 as directed by the Secretary of State pursuant to Section 88(1) of the Energy Act 2008	Amendments to sections of SEC already in force
4.13	6 th July 2016	Modifications to SEC version 4.12 as directed by the Secretary of State pursuant to SEC Section X3.1, X5, X6 and Condition 22 of the DCC Licence	Designation of Registration Data Interface Specification and Registration Data Interface Code of Connection. Re-designation of the SMKI Registration Authority Policies and Procedures, and the IKI Certificate Policy.
4.14	13 th July 2016	Modifications to SEC version 4.13 as directed by the Secretary of State pursuant to Section 88 (1) and 89 of the Energy Act 2008, and pursuant to SEC	Designation of SEC Section Z - Alt HAN Arrangements. Designation of Appendix T - DCCKI Interface Design Specification, Appendix U- DCCKI Repository Interface

		Sections X3.1, X5, and X6	Design Specification, and Appendix V - DCCKI CoCo and DCCKI Repository CoCo. SEC Appendices A, B and C deleted and re-designated. Amendments to SEC sections already in force.
4.15	18 th August 2016	Modifications to SEC version 4.14 as directed by the Secretary of State pursuant to Section 88 (1) and 89 of the Energy Act 2008, and pursuant to SEC Appendix J. Modification to SEC version 4.14 as directed by the SEC Panel pursuant to SECMP0017 with effect 17 th August 2016.	Re-designation of an updated version of SEC Appendix J – Enduring Testing Approach Document. Amendments to SEC Section D6.3 to D6.4.
4.16	20 th October 2016	Modification to SEC version 4.15 as directed by the Secretary of State pursuant to Section X5 and Condition 22 of the DCC Licence.	Re-designation of SEC Appendix R: Common Test Scenarios Document.
4.17	27 th October 2016	Modification to SEC version 4.16 as directed by the Secretary of State pursuant to Section 88 (1) and 89 of the Energy Act 2008, and pursuant to SEC Appendix Z.	Designation of SEC Appendix Z: CPL Requirement Document. Activation of SEC Section F2.
5.0	8 th November 2016	Modification to SEC version 4.17 as directed by the Secretary of State pursuant to Section 88 (1) and 89 of the Energy Act 2008. Activation of multiple SEC Sections, re-designation, and incorporation of new Subsidiary Documents	Activation of SEC Sections: <ul style="list-style-type: none"> • F3 (Panel Dispute Resolution Role) • F4.9 (Power Outage Alerts) • H3 (DCC User Interface), but excluding H3.27 • H4 (Processing Service Requests)

		necessary for DCC Live.	<ul style="list-style-type: none"> • H5 (Smart Metering Inventory & Enrolment Services) • H6 (Decommissioning, Withdrawal & Suspension of Devices) • H8 (Service Management, SSI & Service Desk); • H9 (Incident Management Policy) • H10.9-H10.13 (Business Continuity) • H11 (Parse and Correlate) • H14.36 (DCC Internal System Change Testing) <p>Designation of new SEC Schedules:</p> <ul style="list-style-type: none"> • Schedule 8 GB Companion Specification • Schedule 9 Smart Metering Equipment Technical Specifications • Schedule 10 Communications Hub Technical Specifications <p>Designation of new SEC Appendices</p> <ul style="list-style-type: none"> • Appendix AA - Threshold Anomaly Detection Procedures • Appendix AB - Service Request Processing Document • Appendix AC - Inventory, Enrolment and Withdrawal Procedures • Appendix AD - DCC User Interface Specification
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			<ul style="list-style-type: none"> • Appendix AE - DCC User Interface Code of Connection • Appendix AF - Message Mapping Catalogue • Appendix AG - Incident Management Policy • Appendix AH - Self-Service Interface Design Specification • Appendix AI - Self-Service Interface Code of Connection <p>Re-designation of SEC Appendices:</p> <ul style="list-style-type: none"> • Appendix E - DCC User Interface Services Schedule • Appendix H - CH Handover Support Materials; • Appendix I - CH Installation and Maintenance Support Materials; • Appendix L - SMKI Recovery Procedure; • Appendix O - SMKI Repository Interface Design Specification; • Appendix G - DCC Gateway Connection Code of Connection; • Appendix K - SMKI and Repository Test Scenarios Document; • Appendix M - SMKI Interface Design Specification; • Appendix N - SMKI Code of Connection
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5.1	14 th December 2016	Implementation of two Modifications Proposals approved via Change Board vote on 23 rd November 2016.	Implementation of Modification Proposals: <ul style="list-style-type: none"> • Amendment to Section L due to SECMP0022 “Expanding SMKI PMA membership and removing Alternate restrictions” • Amendments to Schedule 5 due to SECMP0020 “Removal of the confidential classification of the unique identifiers listed in SEC Schedule 5”
5.2	21 st December 2016	Modification to SEC version 5.1 as directed by the Secretary of State pursuant to Section 88 (1) and 89 of the Energy Act 2008.	Redesignation of Appendix AC – Inventory, Enrolment and Withdrawal Procedures
5.3	26 th January 2017	Modification to SEC version 5.2 as directed by the Secretary of State pursuant to section 88(1) of the Energy Act 2008.	Amendments to Section N: SMETS1 Meters, including the designation of a new Section N4A
5.4	9 th February 2017	Modifications to SEC version 5.3 as directed by the Secretary of State pursuant to section 89 of the Energy Act 2008. Modifications as directed by the Secretary of State pursuant to SEC Section X5.	Amendments in relation to testing including: testing required to implement changes to the SEC; Enduring Registration Data Provider Entry Process Testing; changes to the Enduring Testing Approach Document (ETAD); provision of variant Communications Hubs for testing. Other Changes include amendments to the Ofgem Significant Code Review process; Privacy requirements; making certain transitional variations enduring; the definition of RDP Systems; changes to accommodate multiple versions of Technical Specifications and multiple versions of DUIS and other minor miscellaneous changes.

			The Secretary of State direction designates Schedule 11 and Smart Metering Equipment Technical Specifications Version 1.2.
5.5	15 th March 2017	Implementation of a Modification Proposal approved via Change Board vote on 22 nd February 2017.	Amendment to Section G due to implementation of SECMP0026 “Changes to the Security Sub-Committee Nomination Process”.
5.6	1 st April 2017	Implementation of a Modification Proposal approved by the Authority on 17 th January 2017.	Amendments to Sections A and J due to implementation of SECMP0016 “Consideration of “maximum credit value” in credit cover calculation”.
5.7	11 th May 2017	Implementation of a Modification Proposal approved via Change Board vote on the 19 th April 2017.	Amendments to Section A and Appendix H due to implementation of SECMP0033 “CH Handover Support Materials”.
5.8	13 th July 2017	Implementation of a Modification Proposal approved via Change Board vote on the 21 st June 2017.	Amendments to Appendix B and Appendix S due to implementation of SECMP0035 “Updates to SEC Appendix B – Organisation ARL expiration date to be aligned to DCC KI ARL”.
5.9	21 st July 2017	Modifications to SEC version 5.8 as directed by the Secretary of State pursuant to section 89 of the Energy Act 2008.	Re-designation of Appendix AC – Inventory Enrolment and Withdrawal Procedures (version 1.2); and Appendix AD – DCC User Interface Specification (version 1.1).
5.10	14 th September 2017	Implementation of a Modification Proposal approved via the Change Board on the 23 rd August 2017.	Amendments to Section H due to implementation of SECMP0036 “Single User ID for Users acting in one or more User Roles”.
5.11	6 th November 2017	Modifications to SEC version 5.10 as directed by the Secretary of State pursuant to Section 88(1) of the Energy Act 2008	Amendments to Appendix AH, Schedule 8 and Schedule 11 as directed by the Secretary of State.

5.12	22 nd November 2017	Implementation of a Modification Proposal approved via the Change Board on 25 th October 2017.	Amendments to Section G due to implementation of SECMP0040 “Changes to how DCC Users schedule and carry out User Security Assessments after completion of the User Entry Process”.
5.13	1 st February 2018	Modifications to SEC version 5.12 as directed by the Secretary of State pursuant to section 89 of the Energy Act 2008.	<p>Amendments to Appendix H, Appendix I, Schedule 9 – SMETS1 v1.2, Schedule 9 – SMETS2 v2.0 and Schedule 11 – TS Applicability Tables.</p> <p>Designation of new SEC Schedules and Appendices to sit alongside existing versions:</p> <ul style="list-style-type: none"> • Schedule 8 – GBCS v2.0 • Schedule 8 – GBCS v3.0 • Schedule 9 – SMETS2 v3.0 • Schedule 9 – SMETS2 v4.0 • Schedule 10 – CHTS v1.1 • Schedule 10 – CHTS v1.2 • Appendix AD – DUIS v2.0 • Appendix AF – MMC v2.0
5.14	22 nd February 2018	<p>Modifications to SEC version 5.13 as directed by the Secretary of State pursuant to Section 88(1) of the Energy Act 2008</p> <p>Modifications to SEC version 5.13 as directed by the Secretary of State pursuant to SEC Section X5</p>	<p>Amendments to SEC Section A</p> <p>Designation of Appendix AJ – SEC Variation Testing Approach Document</p>
5.15	25 th May 2018	Implementation of a Modification Proposal approved by the Authority on 1 st May 2018.	Amendments to Section A, Section I, Section M and Appendix AG due to implementation of SECMP0045 “Incorporation of the requirements of the General Data Protection Regulations”.
5.16	31 st May 2018	Modifications to SEC version 5.15 as directed by the Secretary of State pursuant to	Designation of Section P – Production Proving; and amendments to Section A, Section C, Section E, Section F, Section H, Section J, Section K, Section L and

		Section 88(1) of the Energy Act 2008	Section X as directed by the Secretary of State.
5.17	5 th June 2018	Modifications to SEC version 5.16 as directed by the Secretary of State pursuant to SEC Section X5	Amendments to Schedule 8 – GBCS v3.0, Schedule 11 – TS Applicability Tables and Appendix AD – DUIS v2.0 Designation of new SEC Schedule 8 – GBCS v2.1 and SEC Schedule 8 – GBCS v3.1 to sit alongside existing versions.
5.18	8 th June 2018	Modifications to SEC version 5.17 as directed by the Secretary of State pursuant to SEC Section X5. Modifications to SEC version 5.17 as directed by the Secretary of State pursuant to SEC Section X5.	Amendments to Appendix J – Enduring Test Approach Document and Appendix R – Common Test Scenarios Document. Amendments to Appendix B – Organisation Certificate Policy and Appendix M – SMKI Interface Design Specification.
5.19	25 th June 2018	Modifications to SEC version 5.18 as directed by the Secretary of State pursuant to SEC Section X5.	Amendments to Appendix AJ – SEC Variation Testing Approach Document.
5.20	18 th July 2018	Modifications to SEC version 5.19 as directed by the Secretary of State pursuant to Section 88(1) of the Energy Act 2008.	Amendments to Section A, Section B, Section C, Section F, Section G, Section H, Section I, Section L, Section N, Section T, Section X, Section Z and Schedule 7
5.21	22 nd July 2018	Implementation of a Modification Proposal approved via Change Board vote on 22 nd July 2018.	Amendments to Section A and Section G due to implementation of SECMP0044 “User Security Assessment of a Shared Resource”.
5.22	18 th September 2018	Modifications to SEC version 5.21 as directed by the Secretary of State pursuant to SEC Section X5.	Amendments to Section A and designation of Appendix AK – SEC Variation Testing Approach Document for SMETS1 Services.
5.23	4 th October 2018	Modifications to SEC version 5.22 as directed by the Secretary of State pursuant to SEC Section X5.	Amendments to TS Applicability Tables.

6.0	28 th October 2018	Modifications to SEC version 5.23 as directed by the Secretary of State pursuant to SEC Section X5.	Amendments to SEC Appendix AB – Service Request Processing Document and SEC Appendix E – DCC User Interface Services Schedule and consequential changes to SEC Section A – Definitions and Interpretation and SEC Schedule 11 – TS Applicability Tables.
6.1	1 st November 2018	Implementation of Modification Proposals approved by the Authority or by Change Board vote.	Amendments to SEC Section A, Section D, Section F, Section G, Section H, Section J, Section M, Section X, Appendix E, Appendix S, Appendix W, Appendix AA, Appendix AD and Appendix AH, due to the implementation of Modification Proposals SECMP0008, SECMP0019, SECMP0027, SECMP0029, SECMP0034, SECMP0047, SECMP0050, SECMP0051 and SECMP0052
6.2	8 th November 2018	Implementation of Modification Proposals approved by the Authority or by Change Board vote	Amendments to Section G, Schedule 9 and Schedule 11 due to the implementation of Modification Proposals SECMP0006, SECMP0048 and SECMP0065.
6.3	5 th December 2018	Modifications to SEC version 6.2 as directed by the Secretary of State pursuant to SEC Section X5.	Amendments to SEC Schedule 11 – TS Applicability Tables.
6.4	21 st January 2019	Re-designation of an amended version of the Inventory Enrolment and Decommissioning Procedures Document (IEDP) as directed by the Secretary of State pursuant to SEC Section X5.	Amendments and re-designation of Appendix AC
6.5	28 th January 2019	Implementation of Modification Proposal approved by the Authority.	Amendments to SEC Section M and Section Z, due to the implementation of Modification Proposal SECMP0068
6.6	14 th February 2019	Modifications to SEC version 6.5 as directed by the Secretary of	Designation of Appendix AL – SMETS1 Transition and Migration Approach Document

		State pursuant to SEC Section X5.	
6.7	28 th February 2019	Implementation of Modification Proposals approved by the Authority or by Change Board vote.	Amendments to SEC Section A, Section D, Section F, Section G and Section Z, due to the implementation of Modification Proposals SECMP0009, SECMP0057, SECMP0059, SECMP0061 and SECMP0064. Corrections to Section L.
6.8	4 th March 2019	Implementation of Modification Proposal approved by the Authority.	Amendments to SEC Section A, Section C, Section D, Section F, Section G, Section L, Section M, Section Z and Appendix AG, due to the implementation of Modification Proposal SECMP0049.
6.9	13 th March 2019	Modifications to SEC version 6.8 as directed by the Secretary of State pursuant to SEC Section X5.	Re-designation of SEC Section A, Section F, Section G, Section H, Section I, Section L, Section N, Section P, Appendix J, Appendix R and Appendix Z.
6.10	15 th April 2019	Re-designation of an amended version of the Common Test Scenarios Document (CTSD) as directed by the Secretary of State pursuant to SEC Section X5.	Amendments and re-designation of Appendix R.
6.11	23 rd April 2019	Implementation of Modification Proposal approved by the Authority.	Amendments to SEC Section A, Section H and Section M, due to the implementation of Modification Proposal SECMP0043.
6.12	26 th April 2019	Implementation of Modification Proposal approved by the Change Board.	Amendments to SEC Section Z, due to the implementation of Modification Proposal SECMP0070.
6.13	14 th June 2019	Re-designation of an amended version of the SEC Variation Testing Approach Document for SMETS1 Services (SVTAD) as directed by the Secretary of State pursuant to SEC Section X5.	Amendments and re-designation of Appendix AK.

6.14	21 st June 2019	Re-designation of an amended version of the SMETS1 Transition and Migration Approach Document as directed by the Secretary of State pursuant to SEC Section X5.	Amendments and re-designation of Appendix AL.
6.15	27 th June 2019	Implementation of Modification Proposal approved by the Change Board.	Amendments to SEC Section A, Section H, Appendix I, Appendix T, Appendix W, Appendix AA, Appendix AH and Appendix AI due to the implementation of Modification Proposal SECMP0058.
6.16	4 th July 2019	<p>Modifications to SEC version 6.15 as directed by the Secretary of State pursuant to SEC Section X5 and for Modification Proposals approved by the Authority or by Change Board vote.</p> <p>Modifications to SEC version 6.15 as directed by the Secretary of State pursuant to Section 88(1) of the Energy Act 2008</p>	<p>Designation of SEC Schedule 8 Version 3.2, Schedule 9 Version 4.2 and Schedule 10 Version 1.3 and re-designation of SEC Schedule 8 Version 3.1, Schedule 9 Version 4.0, Schedule 9 Version 4.1, Schedule 10 Version 1.2 and Schedule 11 as directed by the Secretary of State and for Modification Proposals SECMP0018, SECMP0023, SECMP0025 and SECMP0055.</p> <p>Amendments to SEC Section A, Section F and Section G.</p>
6.17	28 th July 2019	Modifications to SEC version 6.16 as directed by the Secretary of State pursuant to SEC Section X5.	<p>Designation of SEC Appendix AD – DUIS v3.0, Appendix AF – MMC v3.0 and Appendix AM ‘SMETS1 Supporting Requirements’.</p> <p>Amendments to SEC Appendix E, Appendix I, Appendix AA, Appendix AB, Appendix AC, Appendix AH and Appendix AL.</p> <p>Corrections to SEC Section A.</p>

6.18	18 th October 2019	Re-designation of an amended version of the SEC Technical Specification Applicability Tables (TSAT) as directed by the Secretary of State pursuant to SEC Section X5.	Amendments to SEC Schedule 11 – TS Applicability Tables.
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CONTENTS

SMART ENERGY CODE CONTENTS

	Page No.
Introduction	1
 Section A: Definitions and Interpretation	
A1 Definitions	2
A2 Interpretation	120
A3 The Technical Specifications and GB Companion Specification	123
A4 Derogation From SMETSI General Installation End Date	135
 Section B: Accession	
B1 Accession	140
B2 DCC, User and RDP Identifiers	144
 Section C: Governance	
C1 SEC Objectives	147
C2 Panel	151
C3 Panel Members	155
C4 Elected Members	160
C5 Proceedings of the Panel	165
C6 Sub-Committees	170
C7 Code Administrator, Secretariat and SECCo	173
C8 Panel Costs and Budgets	177
 Section D: Modification Process	
D1 Raising Modification Proposals	182
D2 Modification Paths	187
D2A The Change Sub-Committee	189
D3 Initial Consideration of Modification Proposals	190
D4 Authority Determinations	196
D5 Withdrawal by Proposer	199
D6 Refinement Process	201
D7 Report Phase	208

D8	Change Board and Change Board Decision	212
D9	Modification Proposal Decision	219
D9A	Authority-led Variations	222
D10	Implementation	226
D11	DCC Assessment Reporting	230

Section E: Registration Data

E1	Reliance on Registration Data	231
E2	Provision of Data	232
E3	DCC Gateway Connections for Registration Data Provider	238
E4	RDP Entry Process	241

Section F: Smart Metering System Requirements

F1	Technical Sub-Committee	243
F2	Central Products List	247
F3	Panel Dispute Resolution Role	254
F4	Operational Functionality, Interoperability and Access	256
F5	SMETS2+ Communications Hub Forecasts & Orders	264
F6	Delivery and Acceptance of SMETS2+ Communications Hubs	272
F7	Installation and Maintenance of SMETS2+ Communications Hubs	276
F8	Removal and Return of SMETS2+ Communications Hubs	284
F9	Categories of SMETS2+ Communications Hub Responsibility	289
F10	SMETS2+ Test Communications Hubs	296
F11	ALC/HCALCS	301

Section G: Security

G1	Security: General Provisions	302
G2	System Security: Obligations on the DCC	306
G3	System Security: Obligations on Users	319
G4	Organisational Security: Obligations on Users and the DCC	327
G5	Information Security: Obligations on the DCC and Users	330
G6	Anomaly Detection Thresholds: Obligations on the DCC and Users	341
G7	Security Sub-Committee	346
G8	User Security Assurance	358
G9	DCC Security Assurance	378

G10	Shared Resources	384
-----	------------------	-----

Section H: DCC Services

H1	User Entry Process	387
H2	Registered Supplier Agents	392
H3	DCC User Interface	394
H4	Processing Service Requests	405
H5	Smart Metering Inventory and Enrolment Services	407
H6	Decommissioning and Suspension of Devices	410
H7	Elective Communication Services	412
H8	Service Management, Self-Service Interface and Service Desk	418
H9	Incident Management	426
H10	Business Continuity	436
H11	Parse and Correlate Software	441
H12	Intimate Communications Hub Interface Specification	446
H13	Performance Standards and Reporting	449
H14	Testing Services	454
H15	DCC Gateway Connections	471

Section I: Data Privacy

I1	Data Protection and Access to Data	479
I2	Other User Privacy Audits	486

Section J: Charges

J1	Payment of Charges	499
J2	Payment Default and Disputes	503
J3	Credit Cover	506
J4	Review and Forecasting of Charges	514

Section K: Charging Methodology

K1	Introduction	516
K2	Estimated Revenues	517
K3	Fixed Charge and Fixed CH Charge Calculations	519
K4	Determining Fixed Charges Before the UITMR Period	527
K5	Determining Fixed Charges During the UITMR Period	529

K5A	Determining Fixed Alt HAN Charges During the UITMR Period	533
K6	Determining Fixed Charges After the UITMR Period (Enduring)	535
K6A	Determining Fixed CH Charges	536
K6B	Determining Fixed Alt HAN Charges after the UITMR Period (Enduring)	537
K7	Determining Explicit Charges	543
K8	Determining Elective Charges	551
K9	Within-Year Adjustments	554
K10	Calculating Monthly Payments	558
K11	Definitions	564

Section L: Smart Metering Key Infrastructure and DCC Key Infrastructure

L1	SMKI Policy Management Authority	571
L2	SMKI Assurance	579
L3	The SMKI Services	583
L4	The SMKI Service Interface	594
L5	The SMKI Repository Service	598
L6	The SMKI Repository Interface	601
L7	SMKI and Repository Entry Process Tests	604
L8	SMKI Performance Standards and Demand Management	606
L9	The SMKI Document Set	610
L10	The SMKI Recovery Procedure	617
L11	The Subscriber Obligations	629
L12	Relying Party Obligations	633
L13	DCC Key Infrastructure	635

Section M: General

M1	Commencement and Duration	653
M2	Limitations of Liability	654
M3	Services FM and Force Majeure	661
M4	Confidentiality	666
M5	Intellectual Property Rights	674
M6	Party Details	679
M7	Dispute Resolution	680
M8	Suspension, Expulsion and Withdrawal	685
M9	Transfer of DCC Licence	691

M10	Notices	693
M11	Miscellaneous	695

Section N: SMETS1 Meters

N1	Definitions for this Section N	699
N2	SMETS1 Enrolment Projects Generally	702
N3	Initial Enrolment	704
N4	Initial Enrolment Project Feasibility Report	708
N4A	Further Initial Enrolment Analysis	713
N5	Initial Enrolment Code Amendments	716
N6	Transition and Migration Approach Document	718

Section P: Production Proving

P1	Production Proving	723
----	--------------------	-----

Section T: Testing During Transition

T1	Device Selection Methodology	730
T2	Systems Integration Testing	734
T3	Interface Testing	743
T4	End-to-End Testing	755
T5	SMKI and Repository Testing	761
T6	Development of Enduring Testing Documents	771
T7	Ending of the Application of this Section T	774

Section X: Transition

X1	General Provisions Regarding Transition	775
X2	Effective Provisions at Designation	784
X3	Provisions to Become Effective Following Designation	790
X4	Governance Set-up Arrangements	797
X5	Incorporation of Certain Documents into this Code	800
X6	Transitional Variations	803
X7	Transitional Incident Management Procedures	805
X8	Developing CH Support Materials	808
X9	Interim Device and User System Testing	810
X10	Threshold Anomaly Detection Procedures	814

X11	Secretary-of-State Led Variations	816
-----	-----------------------------------	-----

Section Z: Alt HAN Arrangements

Z1	The Alt HAN Forum	819
Z2	The Alt HAN Company	833
Z3	Alt HAN Secretariat	843
Z4	Alt HAN Costs and Budgets	844
Z5	Transitional Provisions	856
Z6	Definitions	859
	Annex AltHANCo	863

Schedules:

Schedule 1	Framework Agreement	873
Schedule 2	Accession Agreement	879
Schedule 3	Specimen Bilateral Agreement	885
Schedule 4	SECCo	894
Schedule 5	Accession Information	919
Schedule 6	Specimen Form of Letter of Credit	920
Schedule 7	Specimen Enabling Services Agreement	924
Schedule 8	Great Britain Companion Specification Version 1.0	
Schedule 8	Great Britain Companion Specification Version 1.1	
Schedule 8	Great Britain Companion Specification Version 2.0	
Schedule 8	Great Britain Companion Specification Version 2.1	
Schedule 8	Great Britain Companion Specification Version 3.0	
Schedule 8	Great Britain Companion Specification Version 3.1	
Schedule 8	Great Britain Companion Specification Version 3.2	
Schedule 9	Smart Metering Equipment Technical Specifications 1 Version 1.2	
Schedule 9	Smart Metering Equipment Technical Specifications 2 Version 2.0	
Schedule 9	Smart Metering Equipment Technical Specifications 2 Version 3.0	
Schedule 9	Smart Metering Equipment Technical Specifications 2 Version 3.1	
Schedule 9	Smart Metering Equipment Technical Specifications 2 Version 4.0	
Schedule 9	Smart Metering Equipment Technical Specifications 2 Version 4.1	
Schedule 9	Smart Metering Equipment Technical Specifications 2 Version 4.2	
Schedule 10	Communication Hub Technical Specifications	

Schedule 10 Communication Hub Technical Specifications Version 1.1

Schedule 10 Communication Hub Technical Specifications Version 1.2

Schedule 10 Communication Hub Technical Specifications Version 1.3

Schedule 11 TS Applicability Tables

Appendices:

Appendix A: Device Certificate Policy

Appendix B: Organisation Certificate Policy

Appendix C: SMKI Compliance Policy

Appendix D: Registration Authority Policies and Procedures

Appendix E: DCC User Interface Services Schedule

Appendix F: Minimum Communication Services for SMETS1 Meters

Appendix G: DCC Gateway Connection Code of Connection

Appendix H: CH Handover Support Materials

Appendix I: CH Installation and Maintenance Support Materials

Appendix J: Enduring Testing Approach Document

Appendix K: SMKI and Repository Test Scenarios Document

Appendix L: SMKI Recovery Procedure

Appendix M: SMKI Interface Design Specification

Appendix N: SMKI Code of Connection

Appendix O: SMKI Repository Interface Design Specification

Appendix P: SMKI Repository Code of Connection

Appendix Q: IKI Certificate Policy

Appendix R: Common Test Scenarios Document

Appendix S: DCCKI Certificate Policy

Appendix T: DCCKI Interface Design Specification

Appendix U: DCCKI Repository Interface Design Specification

Appendix V: DCCKI CoCo and DCCKI Repository CoCo

Appendix W: DCCKI Registration Authority Policies and Procedures

Appendix X: Registration Data Interface Specification

Appendix Y: Registration Data Interface Code of Connection

Appendix Z: CPL Requirements Document

Appendix AA: Threshold Anomaly Detection Procedures

Appendix AB: Service Request Processing Document

Appendix AC: Inventory, Enrolment and Decommissioning Procedures

Appendix AD: DCC User Interface Specification

Appendix AD: DCC User Interface Specification Version 2.0

Appendix AD: DCC User Interface Specification Version 3.0

Appendix AE: DCC User Interface Code of Connection

Appendix AF: Message Mapping Catalogue

Appendix AF: Message Mapping Catalogue Version 2.0

Appendix AF: Message Mapping Catalogue Version 3.0

Appendix AG: Incident Management Policy

Appendix AH: Self Service Interface Design Specification

Appendix AI: Self Service Interface Code of Connection

Appendix AJ: SEC Variation Testing Approach Document

Appendix AK: SEC Variation Testing Approach Document for SMETS1 Services

Appendix AL: SMETS1 Transition and Migration Approach Document

Appendix AM: SMETS1 Supporting Requirements