

**Dated: 23 September 2013**

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## **Smart Energy Code**

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**VERSION CONTROL**

Version Number	Implementation Date	Reason for Change	Overview of Modifications incorporated
1.0	23 <sup>rd</sup> September 2013	Designation by The Secretary of State pursuant to section 88(1) of the Energy Act 2008	First Publication
2.0	31 <sup>st</sup> 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 <sup>th</sup> 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 <sup>th</sup> 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 <sup>st</sup> 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 <sup>th</sup> 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 <sup>th</sup> 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 <sup>th</sup> 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 <sup>st</sup> 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 <sup>th</sup> 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 <sup>th</sup> 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 <sup>st</sup> 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 <sup>th</sup> 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 <sup>th</sup> 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 <sup>th</sup> 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 <sup>th</sup> 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 <sup>th</sup> 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 <sup>th</sup> 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 <sup>th</sup> 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 <sup>th</sup> 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 <sup>th</sup> 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 <sup>th</sup> 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 <sup>th</sup> 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 <sup>th</sup> 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 <sup>th</sup> 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"> <li>• F3 (Panel Dispute Resolution Role)</li> <li>• F4.9 (Power Outage Alerts)</li> <li>• H3 (DCC User Interface), but excluding H3.27</li> <li>• H4 (Processing Service Requests)</li> </ul>

		necessary for DCC Live.	<ul style="list-style-type: none"> <li>• H5 (Smart Metering Inventory &amp; Enrolment Services)</li> <li>• H6 (Decommissioning, Withdrawal &amp; Suspension of Devices)</li> <li>• H8 (Service Management, SSI &amp; Service Desk);</li> <li>• H9 (Incident Management Policy)</li> <li>• H10.9-H10.13 (Business Continuity)</li> <li>• H11 (Parse and Correlate)</li> <li>• H14.36 (DCC Internal System Change Testing)</li> </ul> <p>Designation of new SEC Schedules:</p> <ul style="list-style-type: none"> <li>• Schedule 8 GB Companion Specification</li> <li>• Schedule 9 Smart Metering Equipment Technical Specifications</li> <li>• Schedule 10 Communications Hub Technical Specifications</li> </ul> <p>Designation of new SEC Appendices</p> <ul style="list-style-type: none"> <li>• Appendix AA - Threshold Anomaly Detection Procedures</li> <li>• Appendix AB - Service Request Processing Document</li> <li>• Appendix AC - Inventory, Enrolment and Withdrawal Procedures</li> <li>• Appendix AD - DCC User Interface Specification</li> </ul>
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			<ul style="list-style-type: none"> <li>• Appendix AE - DCC User Interface Code of Connection</li> <li>• Appendix AF - Message Mapping Catalogue</li> <li>• Appendix AG - Incident Management Policy</li> <li>• Appendix AH - Self-Service Interface Design Specification</li> <li>• Appendix AI - Self-Service Interface Code of Connection</li> </ul> <p>Re-designation of SEC Appendices:</p> <ul style="list-style-type: none"> <li>• Appendix E - DCC User Interface Services Schedule</li> <li>• Appendix H - CH Handover Support Materials;</li> <li>• Appendix I - CH Installation and Maintenance Support Materials;</li> <li>• Appendix L - SMKI Recovery Procedure;</li> <li>• Appendix O - SMKI Repository Interface Design Specification;</li> <li>• Appendix G - DCC Gateway Connection Code of Connection;</li> <li>• Appendix K - SMKI and Repository Test Scenarios Document;</li> <li>• Appendix M - SMKI Interface Design Specification;</li> <li>• Appendix N - SMKI Code of Connection</li> </ul>
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5.1	14 <sup>th</sup> December 2016	Implementation of two Modifications Proposals approved via Change Board vote on 23 <sup>rd</sup> November 2016.	Implementation of Modification Proposals: <ul style="list-style-type: none"> <li>• Amendment to Section L due to SECMP0022 “Expanding SMKI PMA membership and removing Alternate restrictions”</li> <li>• Amendments to Schedule 5 due to SECMP0020 “Removal of the confidential classification of the unique identifiers listed in SEC Schedule 5”</li> </ul>
5.2	21 <sup>st</sup> 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 <sup>th</sup> 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 <sup>th</sup> 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 <sup>th</sup> March 2017	Implementation of a Modification Proposal approved via Change Board vote on 22 <sup>nd</sup> February 2017.	Amendment to Section G due to implementation of SECMP0026 “Changes to the Security Sub-Committee Nomination Process”.
5.6	1 <sup>st</sup> April 2017	Implementation of a Modification Proposal approved by the Authority on 17 <sup>th</sup> 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 <sup>th</sup> May 2017	Implementation of a Modification Proposal approved via Change Board vote on the 19 <sup>th</sup> April 2017.	Amendments to Section A and Appendix H due to implementation of SECMP0033 “CH Handover Support Materials”.
5.8	13 <sup>th</sup> July 2017	Implementation of a Modification Proposal approved via Change Board vote on the 21 <sup>st</sup> 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 <sup>st</sup> 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 <sup>th</sup> September 2017	Implementation of a Modification Proposal approved via the Change Board on the 23 <sup>rd</sup> 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 <sup>th</sup> 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 <sup>nd</sup> November 2017	Implementation of a Modification Proposal approved via the Change Board on 25 <sup>th</sup> 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 <sup>st</sup> 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"> <li>• Schedule 8 – GBCS v2.0</li> <li>• Schedule 8 – GBCS v3.0</li> <li>• Schedule 9 – SMETS2 v3.0</li> <li>• Schedule 9 – SMETS2 v4.0</li> <li>• Schedule 10 – CHTS v1.1</li> <li>• Schedule 10 – CHTS v1.2</li> <li>• Appendix AD – DUIS v2.0</li> <li>• Appendix AF – MMC v2.0</li> </ul>
5.14	22 <sup>nd</sup> 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 <sup>th</sup> May 2018	Implementation of a Modification Proposal approved by the Authority on 1 <sup>st</sup> 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 <sup>st</sup> 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 <sup>th</sup> 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 <sup>th</sup> 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 <sup>th</sup> 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 <sup>th</sup> 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 <sup>nd</sup> July 2018	Implementation of a Modification Proposal approved via Change Board vote on 22 <sup>nd</sup> July 2018.	Amendments to Section A and Section G due to implementation of SECMP0044 “User Security Assessment of a Shared Resource”.
5.22	18 <sup>th</sup> 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 <sup>th</sup> 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.

## CONTENTS

### SMART ENERGY CODE CONTENTS

<b>Introduction</b>	<b>Page No.</b> 1
 <b>Section A: Definitions and Interpretation</b>	
A1 Definitions	2
A2 Interpretation	114
A3 The Technical Specifications and GB Companion Specification	119
A4 Derogation From SMETSI General Installation End Date	130
 <b>Section B: Accession</b>	
B1 Accession	135
B2 DCC, User and RDP Identifiers	139
 <b>Section C: Governance</b>	
C1 SEC Objectives	142
C2 Panel	146
C3 Panel Members	150
C4 Elected Members	155
C5 Proceedings of the Panel	160
C6 Sub-Committees	165
C7 Code Administrator, Secretariat and SECCo	168
C8 Panel Costs and Budgets	172
 <b>Section D: Modification Process</b>	
D1 Raising Modification Proposals	177
D2 Modification Paths	182
D3 Initial Consideration of Modification Proposals	184
D4 Authority Determinations	188
D5 Withdrawal by Proposer	191
D6 Refinement Process	193
D7 Report Phase	200
D8 Change Board and Change Board Decision	204

D9	Modification Proposal Decision	210
D9A	Authority-led Variations	213
D10	Implementation	217

## **Section E: Registration Data**

E1	Reliance on Registration Data	220
E2	Provision of Data	221
E3	DCC Gateway Connections for Registration Data Provider	227
E4	RDP Entry Process	230

## **Section F: Smart Metering System Requirements**

F1	Technical Sub-Committee	232
F2	Central Products List	236
F3	Panel Dispute Resolution Role	241
F4	Operational Functionality, Interoperability and Access	243
F5	SMETS2+ Communications Hub Forecasts & Orders	251
F6	Delivery and Acceptance of SMETS2+ Communications Hubs	259
F7	Installation and Maintenance of SMETS2+ Communications Hubs	263
F8	Removal and Return of SMETS2+ Communications Hubs	271
F9	Categories of SMETS2+ Communications Hub Responsibility	276
F10	SMETS2+ Test Communications Hubs	283

## **Section G: Security**

G1	Security: General Provisions	288
G2	System Security: Obligations on the DCC	291
G3	System Security: Obligations on Users	303
G4	Organisational Security: Obligations on Users and the DCC	311
G5	Information Security: Obligations on the DCC and Users	314
G6	Anomaly Detection Thresholds: Obligations on the DCC and Users	324
G7	Security Sub-Committee	329
G8	User Security Assurance	341
G9	DCC Security Assurance	361
G10	Shared Resources	366

## **Section H: DCC Services**

H1	User Entry Process	369
H2	Registered Supplier Agents	374
H3	DCC User Interface	376
H4	Processing Service Requests	386
H5	Smart Metering Inventory and Enrolment Services	387
H6	Decommissioning and Suspension of Devices	389
H7	Elective Communication Services	391
H8	Service Management, Self-Service Interface and Service Desk	397
H9	Incident Management	405
H10	Business Continuity	414
H11	Parse and Correlate Software	418
H12	Intimate Communications Hub Interface Specification	423
H13	Performance Standards and Reporting	426
H14	Testing Services	429
H15	DCC Gateway Connections	446

## **Section I: Data Privacy**

I1	Data Protection and Access to Data	454
I2	Other User Privacy Audits	461

## **Section J: Charges**

J1	Payment of Charges	473
J2	Payment Default and Disputes	477
J3	Credit Cover	480
J4	Review and Forecasting of Charges	488

## **Section K: Charging Methodology**

K1	Introduction	490
K2	Estimated Revenues	491
K3	Fixed Charge and Fixed CH Charge Calculations	493
K4	Determining Fixed Charges Before the UITMR Period	501
K5	Determining Fixed Charges During the UITMR Period	503
K5A	Determining Fixed Alt HAN Charges During the UITMR Period	507
K6	Determining Fixed Charges After the UITMR Period (Enduring)	509
K6A	Determining Fixed CH Charges	512

K6B	Determining Fixed Alt HAN Charges after the UITMR Period (Enduring)	515
K7	Determining Explicit Charges	517
K8	Determining Elective Charges	525
K9	Within-Year Adjustments	528
K10	Calculating Monthly Payments	532
K11	Definitions	538

## **Section L: Smart Metering Key Infrastructure and DCC Key Infrastructure**

L1	SMKI Policy Management Authority	545
L2	SMKI Assurance	553
L3	The SMKI Services	557
L4	The SMKI Service Interface	567
L5	The SMKI Repository Service	571
L6	The SMKI Repository Interface	574
L7	SMKI and Repository Entry Process Tests	577
L8	SMKI Performance Standards and Demand Management	579
L9	The SMKI Document Set	583
L10	The SMKI Recovery Procedure	590
L11	The Subscriber Obligations	602
L12	Relying Party Obligations	606
L13	DCC Key Infrastructure	608

## **Section M: General**

M1	Commencement and Duration	626
M2	Limitations of Liability	625
M3	Services FM and Force Majeure	634
M4	Confidentiality	637
M5	Intellectual Property Rights	646
M6	Party Details	651
M7	Dispute Resolution	652
M8	Suspension, Expulsion and Withdrawal	657
M9	Transfer of DCC Licence	663
M10	Notices	665
M11	Miscellaneous	667

**Section N: SMETS1 Meters**

N1	Definitions for this Section N	671
N2	SMETS1 Enrolment Projects Generally	674
N3	Initial Enrolment	676
N4	Initial Enrolment Project Feasibility Report	680
N4A	Further Initial Enrolment Analysis	685
N5	Initial Enrolment Code Amendments	687
N6	Transition and Migration Approach Document	689

**Section P: Production Proving**

P1	Production Proving	694
----	--------------------	-----

**Section T: Testing During Transition**

T1	Device Selection Methodology	700
T2	Systems Integration Testing	704
T3	Interface Testing	713
T4	End-to-End Testing	725
T5	SMKI and Repository Testing	731
T6	Development of Enduring Testing Documents	741
T7	Ending of the Application of this Section T	744

**Section X: Transition**

X1	General Provisions Regarding Transition	745
X2	Effective Provisions at Designation	754
X3	Provisions to Become Effective Following Designation	760
X4	Governance Set-up Arrangements	767
X5	Incorporation of Certain Documents into this Code	770
X6	Transitional Variations	773
X7	Transitional Incident Management Procedures	775
X8	Developing CH Support Materials	778
X9	Interim Device and User System Testing	780
X10	Threshold Anomaly Detection Procedures	784
X11	Secretary-of-State Led Variations	786

**Section Z: Alt HAN Arrangements**



Z1	The Alt HAN Forum	789
Z2	The Alt HAN Company	803
Z3	Alt HAN Secretariat	813
Z4	Alt HAN Costs and Budgets	814
Z5	Transitional Provisions	826
Z6	Definitions	829
	Annex AltHANCo	833

### **Schedules:**

<b>Schedule 1</b>	Framework Agreement	843
<b>Schedule 2</b>	Accession Agreement	849
<b>Schedule 3</b>	Specimen Bilateral Agreement	855
<b>Schedule 4</b>	SECCo	864
<b>Schedule 5</b>	Accession Information	889
<b>Schedule 6</b>	Specimen Form of Letter of Credit	890
<b>Schedule 7</b>	Specimen Enabling Services Agreement	894
<b>Schedule 8</b>	Great Britain Companion Specification Version 1.0	
<b>Schedule 8</b>	Great Britain Companion Specification Version 1.1	
<b>Schedule 8</b>	Great Britain Companion Specification Version 2.0	
<b>Schedule 8</b>	Great Britain Companion Specification Version 2.1	
<b>Schedule 8</b>	Great Britain Companion Specification Version 3.0	
<b>Schedule 8</b>	Great Britain Companion Specification Version 3.1	
<b>Schedule 9</b>	Smart Metering Equipment Technical Specifications 1 Version 1.2	
<b>Schedule 9</b>	Smart Metering Equipment Technical Specifications 2 Version 2.0	
<b>Schedule 9</b>	Smart Metering Equipment Technical Specifications 2 Version 3.0	
<b>Schedule 9</b>	Smart Metering Equipment Technical Specifications 2 Version 4.0	
<b>Schedule 10</b>	Communication Hub Technical Specifications	
<b>Schedule 10</b>	Communication Hub Technical Specifications Version 1.1	
<b>Schedule 10</b>	Communication Hub Technical Specifications Version 1.2	
<b>Schedule 11</b>	TS Applicability Tables	

### **Appendices:**

<b>Appendix A:</b>	Device Certificate Policy
<b>Appendix B:</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 Withdrawal Procedures

**Appendix AD:** DCC User Interface Specification

**Appendix AD:** DCC User Interface Specification Version 2.0

**Appendix AE:** DCC User Interface Code of Connection

**Appendix AF:** Message Mapping Catalogue

**Appendix AF:** Message Mapping Catalogue Version 2.0

**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