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Project Initiation Document Technical Architecture Document – SMETS1 Services Release Changes

14 February 2019

Version History

Version	Date	Update	Authorisation
0.1	14/02/2019	Draft for TABASC Approval	n/a

DRAFT

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1. Project Background

The Technical Architecture Document (TAD) is currently at Version 2.0, which includes the DCC Release 2.0 content.

The TABASC is required to maintain the TAD. As the SEC and associated systems and processes continues to develop and evolve through the implementation of changes and further releases, the TAD may therefore require updates.

The next significant set of changes that will have an impact on the TAD is the SMETS1 Services Release. This project has been set up to enable the development and implementation of the necessary changes to the TAD to capture the applicable changes that will be implemented as part of the SMETS1 Services Release.

2. Project Definition

2.1 Purpose

SEC Section F1.4(i)¹ sets out the requirement to establish and maintain the TAD.

SMETS1 Services Release is the next significant release of SEC changes and new system functionality following Release 2.0. The purpose of this project is to ensure that the TAD is maintained in line with the content of the SEC, and to reflect technical architecture changes introduced and/or amended by SMETS1 Services Release.

2.2 Objectives

The outcome of the project is to produce a new version of the TAD, covering the new requirements introduced as part of SMETS1 Services Release, that meets the industry needs and requirements.

Objective Measures:

- The TAD updates for SMETS1 Services Release, will be consulted on to ensure that it covers all necessary revisions to the technical architecture and meets SEC Party and other interested party needs;
- The project plan will set out timescales and project milestones with regular reporting against these timescales;
- Through the consultation with industry, the use of the Technical and Business Expert Community (TBEC), and drafting and review by technical specialists, will ensure the quality of the document. The final document will also undergo quality assurance processes in line with SECAS process; and
- The estimated costs for undertaking the SMETS1 Services Release TAD Review Project are set out in Section 3.3 below. Budget tracking will be put in place with any risks to budget escalated to the SEC Panel and SECCo Board.

2.3 Scope

The SEC requirement is to develop and maintain the TAD and arrange for its publication on the SEC Website. Therefore, the scope of the project sits within the scope of the following SEC definitions:

¹ SEC Section F1.4 ... (i) to develop and thereafter maintain the Technical Architecture Document and the Business Architecture Document, and arrange for their publication on the Website;

- Technical Architecture Document: *means a document setting out a representation of the End-to-End Technical Architecture*
- Technical Specifications: *means each of the CHTS and SMETS*
- Technical Code Specifications: *means the Technical Specifications, the GB Companion Specification, the DCC Gateway Connection Code of Connection, the DCC User Interface Code of Connection, the DCC User Interface Specification, the Self-Service Interface Design Specification, the Self-Service Interface Code of Connection, the Registration Data Interface Documents, the Message Mapping Catalogue, the Incident Management Policy, the DCC Release Management Policy, the Panel Release Management Policy, the SMKI Interface Design Specification, the SMKI Code of Connection, the SMKI Repository Interface Design Specification and the SMKI Repository Code of Connection.*

The SMETS1 Services Release content updates have been produced as part of the initial work item agreed by TABASC in December 2018. A summary of the changes identified as having an impact on areas covered by the TAD is set out in Annex A.

2.4 Deliverables

The project will deliver a new version of the TAD (TAD v3.0), which will capture the additional or amended functionality and processes (as applicable) introduced by SMETS1 Services Release. The expectation is that the SMETS1 changes will be recorded as variations to SMETS2 architecture, noting that some of the changes (such as inclusion of Dual Control Organisation) are significant.

2.5 Risks

Several constraints have been identified and set out in section 4 that may have an impact on the project delivery.

2.6 Assumptions

The following assumptions have been made regarding the development of the new version of the TAD:

- The appropriate expertise that will be utilised for the review of the updated TAD will be available through the TABASC, TBEC and/or SEC Parties. These parties will provide a means for the TAD to be reviewed.

This expertise will be accessed through the issuing of the changes for consultation², with TABASC Members TBEC Members, SEC Parties and other interested parties, supported by workshops, if required; and

- The expected activities to manage and plan updates to the TAD are counting back from when the SMETS1 Initial Operating Capability (IOC) is expected to go live at the end of May 2019, as per the Joint Industry Plan, subject to the revised SMETS1 Services Release plan, submitted by the DCC, being approved by BEIS.

² This consultation will be for a minimum of 20 Working Days

3. Business Case

3.1 Benefits

The development and maintenance of the TAD is a SEC requirement:

Section F1.4 The Technical Architecture and Business Architecture Sub-Committee shall undertake the following duties on behalf of the Panel:

- (i) *to develop and thereafter maintain the Technical Architecture Document and the Business Architecture Document, and arrange for their publication on the Website;*

The maintenance of the TAD, to bring it in line with the content of the SMETS1 Services Release, will enable the continuation of the review of impacts of changes to the technical architecture that need to be taken into account during decision making processes e.g. assessing the impact of Modification Proposals.

3.2 Options

As the maintenance of the TAD is a SEC requirement, no other courses of action have been considered.

3.3 Cost and Timescales

The following sets out the effort that is anticipated to be required to develop the TAD within the scope set out in Section 2.3:

Milestone (2019)	Activity	Resource	Effort (Working Days)
Milestone 1: 4 January - 21 January	Review TAD against baselined/designated Technical Code Specifications and other SEC changes to identify impacted areas	SECAS Core SECAS CoE	4 10
Milestone 2: 28 January - 11 March	Draft changes to create a version of the TAD containing the SMETS1 Service Release content	SECAS Core SECAS CoE	10 20
Milestone 3: 12 March - 9 April	Issue draft changes to the TABASC, the TBEC and other interested SEC Parties for review (at least 20 Working Days).	n/a	20 Working Days
Milestone 4: 18 April - 2 May	TAD updated following receipt of review comments	SECAS Core SECAS CoE	4 5
Milestone 5: 16 May	TAD presented to the TABASC for review and approval, subject to any feedback	SECAS Core	1
Milestone 6: May 2019	Technical Architecture Document, reflecting SMETS1 Service release content published alongside version 2.0	SECAS Core	0.5

Milestone (2019)	Activity	Resource	Effort (Working Days)
(Release date minus 1 week)			
Milestone 7: May 2019 ³ (Release date)	On SMETS1 Service release go-live date SEC Parties notified of the new live version	SECAS Core	0.5

Table 2 – Technical Architecture Document Review activities and resource requirements

In addition to the estimate effort to prepare the new version of the TAD, 10 Working Days has been estimated to cover overarching Project Management effort.

The estimated total effort is **65 Working Days**, comprising *45 CoE* (with the additional 10 Working Days) and *20 SECAS Core Working Days effort*. The cost is expected to be approximately £72k based on the TAD activities and effort set out above.

The cost for TAD activities undertaken in Q4 2018 Financial Year is expected to be approximately £52k, for which we have available unspent Project budget for this financial year (as this exercise was planned for 2018 but deferred to align with the delays to SMETS1 Release). The remaining TAD activities are expected to be approximately £20k, which falls within the proposed draft SEC Panel FY 2019/20 combined budget of £75k for the BAD and TAD SMETS1 updates.

3.4 Cost/Benefit Analysis

It is assumed that a Cost/Benefit Analysis is not required for this project due to the SEC requirement to complete the development of the TAD. However, the TABASC elected to defer the updates to the TAD until the SMETS1 solution was stable which, by inference, reduced risk of re-work and improved the cost/benefit of the updates.

The effort per month will be monitored against the estimated resource requirement. The TABASC will also be advised if the resource assessment needs revising in light of any subsequent information, including:

- Identification of additional effort required when the first activity (review of changes) is complete; and
- The addition of new changes in SMETS1 Services Release to resolve identified issues during implementation activities.

4. Risk Analysis

4.1 Risk Identification

1. There is a risk that the resource estimate and therefore project cost is an underestimate or overestimate and therefore impacting on the project budget.
2. There is a risk that the required expertise to undertake the initial reviews of the document through the TBEC is not available or do not have the required expertise impacting on the quality of the document.

³ This is based on the current plan that the SMETS1 Service functionality will go-live in late May 2019

3. There is a risk that that additional changes arise during the drafting of the new TAD version that increases resource or time requirements on drafting and preparing the necessary update to it.
4. Some aspects of the SMETS1 solution (e.g. Dual Control Organisation) are not clearly specified in publicly-available documents, potentially for security reasons.
5. There is a risk that revising the document identifies errors or omissions from previous drafting.

4.2 Risk Mitigation

1. A resource schedule will be put in place based on the project plan. Reporting against this schedule and plan will be available via the monthly project updates to the TABASC.
2. The TABASC have established the TBEC to ensure industry representatives with the appropriate expertise are available to them to input into specific projects and work packages, which in this case will be the maintenance updates to the TAD.
3. If additional changes arise during the preparation of the new version of the TAD, the impact will be assessed and the TABASC informed of the impact and associated resource impacts to ensure the resource requirements remain reflective for the project.
4. SECAS will determine whether these limitations relate to the timing of availability of documents. The TAD will only capture the Technical Architecture to the degree possible using publicly-available documents.
5. The revisions for SMETS1 updates will address other issues identified as long as project timescales and funding is not compromised.

4.3 Risk Management

Monitoring against plan and budget with any issues escalated to the TABASC and Panel/Board as required. Further contingency funds are available through the Panel Approved Budget, if approved.

Where industry input is required and either not available in the time period required, or not accessible via the TBEC for document review and quality control, further technical specialists contracted with SECAS could be called in to undertake the relevant tasks and activities. This may have a further impact on budget, which is linked to risk 2 set out above. The TABASC could also encourage engagement from the TBEC or SEC Parties and interested parties.

4.4 Risk Monitoring

A Risks and Issues Log will be maintained throughout the project and form part of the reporting to the TABASC as part of the monthly project update.

All risks and issues will be escalated to the Project Manager as they arise.

5. Roles and Responsibilities

5.1 Project Organisation Chart



Figure 1: Project Organisation Chart

5.2 Project Sponsor and Responsibilities

The TABASC will act as the Project Sponsor and will have the authority and control over the project and its implementation.

The TABASC will have the final approval of the new version of the TAD prior to publication as it will be the body that the SEC requirement is placed on to develop and maintain the document.

5.3 Project Manager

Jahan Haroon – SECAS Principal Consultant will take on the role of the Project Manager, with the following roles and responsibilities:

- Manage project delivery and production within budget, timescale and to the defined requirements;
- Manage project reporting via the Panel, SECAS, the TABASC Chair/TABASC; and
- Liaise with the TABASC Chair regarding general project delivery and associated risks and issues.

5.4 Project Team

The Project Team will consist of a number of key members supported by a wider Community of Experts as set out below:

SECAS

Rainer Lischetzki, Phillip Twiddy, Alan Bateman and Sean Gulliford– CoE Technical Expert support

Rainer, Phillip, Alan and Sean's role will be to draft the content of the TAD, amending as necessary throughout the review cycles with additional resource in support, if required.

Both Rainer and Sean have extensive experience with the Technical Code Specifications, having experience working at a device manufacturer for a number of years.

Phillip has many years' experience in smart metering including two working for DCC as deputy head of test assurance and was the technical lead of SMDA Scheme Operator and Chair of the TAG.

Jahan is an experienced delivery consultant having led and managed complex programmes and projects for clients in the public and private sector, including Energy sector clients.

They also have experience of being able to take the technical content of the SEC and explain it in simple terms, which will aid the activity of updating the TAD.

SECAS Core Delivery Resource will:

- manage the administration and secretariat of the governance meetings, including producing the reports to provide to the TABASC and Panel. This resource will also liaise with the Project Manager ensuring risks and issues are escalated as necessary.
- manage the consultation process, including managing the correspondence with respondents; and
- undertake a quality assurance function for the versions of the document sent out to wider stakeholders for review/consultation and prior to final publication.

6. Initial Project Plan

6.1 Schedule

A detailed project plan is developed based on the activities set out above in section 3.3.

		2018	2019																													
Project Milestone	Activity	31/12/2018	07/01/2019	14/01/2019	21/01/2019	28/01/2019	04/02/2019	11/02/2019	18/02/2019	25/02/2019	04/03/2019	11/03/2019	18/03/2019	25/03/2019	01/04/2019	08/04/2019	15/04/2019	22/04/2019	29/04/2019	06/05/2019	13/05/2019	20/05/2019	27/05/2019	03/06/2019	10/06/2019	17/06/2019	24/06/2019	01/07/2019	08/07/2019	15/07/2019	22/07/2019	29/07/2019
	1 Planning and analysis of impacts																															
	2 Draft changes to TAD																															
	3 TAD Review																															
	TAD Review Workshop (if required)																															
	4 TAD - Post review - rework/updates																															
	5 Final TAD Delivery and Sign off (TABASC)																															
	6 Post sign off TAD updates (if required)																															
	Publish SMETS1 Services Release TAD																															
	7 On Release date, notify SEC Parties of the new live TAD v3.0																															

If during the commencement of activities to prepare the changes to the TAD, an adjustment to the expected effort is required, the TABASC will be informed, with supporting rationale.

6.2 Human Resources

The following table sets out the number of estimated days activity required to complete the project. This is based on the assumptions set out in Section 2.6 above.

Activity	SECAS Core	SECAS CoE	Total
TAD	20	35	55
Additional overarching Project Management effort		10	10
Total			65

Table 2 – Summarised resource requirements

6.3 Project Control

The following project controls will be put in place to monitor progress of the project including timescales and budget monitoring:

- A MS Project Plan will be maintained;
- Reporting to the TABASC on a monthly basis;
- Reporting to the SEC Panel and Parties on a monthly basis in the form of Operations Report, which will highlight monthly progress. Any separate issues will be reported specifically through separate updates, if required;
- Risks and Mitigation Plan – identifying project risks and mitigations;
- Issues Log; and
- Budget actuals and forecasts produced in the monthly reporting to the TABASC.

6.4 Quality Control

Throughout the development of the TAD there will be continuous review stages to ensure the quality of the document. These reviews will be undertaken by a number of different stakeholders:

- Internal review by SECAS Technical Experts and the SECAS Core team;
- Consultation with SEC Parties; and
- Final review and approval by the TABASC.

A final quality assurance process will be followed by the SECAS Core Delivery Team prior to any formal publication.

Appendix A – SMETS1 Services Release impacts on the TAD

The following table will provide a high-level overview of which elements of the SMETS1 Services Release content impacts the TAD. Note, this list will only show the changes where an impact has been identified as some of the content is clarifications or changes that do not alter or add to the Technical Architecture. This analysis of the SMETS1 Services Release content, against the TAD has informed this PID, and the associated resource estimates.

The SEC Documents that have been baselined to support the SMETS1 Services Release can be found on [The Developing SEC](#) webpage.

Title	Section	Impacted TAD sections	Additional comments on the changes required
SEC Appendix B - Organisation Certificate Policy v1.2 draft	No Impact to TAD	No Impact to TAD	No Impact to TAD
SEC Appendix I - CH Installation and Maintenance Support Materials v1.3 draft	No Impact to TAD	No Impact to TAD	No Impact to TAD
SEC Appendix M - SMK1 Interface Design Specification v1.2 draft	No Impact to TAD	No Impact to TAD	No Impact to TAD
SEC Appendix Z - CPL Requirements Document v1.1 draft 2	No Impact to TAD	No Impact to TAD	No Impact to TAD
SEC Appendix AB - Service Request Processing Document v1.2 draft 2	No Impact to TAD	No Impact to TAD	No Impact to TAD
SEC Appendix AD - DCC User Interface Specification v3.0 draft 3	1.4 Variation of requirements in relation to SMETS1 Devices	2.1 Background	Update text to include SMETS1

Title	Section	Impacted TAD sections	Additional comments on the changes required
<p><i>Note: The DUIS is a low-level document and direct mapping of the changes to the TAD is challenging, whilst the changes in DUIS will obviously influence the TAD, there is in many cases no direct mapping between the two documents. It is assumed that further changes to the TAD will be captured through the impact analysis of other documents.</i></p> <p><i>Note: the diagrams in the TAD are dated 25 Sept 2015 (version 1.0), these need to be updated in the next release.</i></p> <ul style="list-style-type: none"> Figure 3.4 Conceptual Model Figure 4.1.3 Business Function View Figure 4.1.4 Business Interactions Figure 4.2: Application Model 	1.4 Variation of requirements in relation to SMETS1 Devices	Table 3.3	Definition of CSP to be updated to include SMETS1
	1.4 Variation of requirements in relation to SMETS1 Devices	Figure 3.4	Update to conceptual model to include SMETS1
	1.4 Variation of requirements in relation to SMETS1 Devices	3.4.2 Communications Service Provider Domain	Update to include SMETS1
	1.4 Variation of requirements in relation to SMETS1 Devices	3.4.5 Key Interfaces between Domains	Interface to SMETS1 SME is not defined in GBCS
	1.4 Variation of requirements in relation to SMETS1 Devices	Table 4.1.4: Business Interactions	Example interactions to be identified as applicable or not to SMETS 1
	1.4 Variation of requirements in relation to SMETS1 Devices	Figure 4.2: Application Model	Potential change to application model diagram
	1.4 Variation of requirements in relation to SMETS1 Devices	4.2.1 Application Model	Mentions HAN at 2.4 and 868 ZigBee – Are all SMETS1 meter being enrolled ZigBee?

Title	Section	Impacted TAD sections	Additional comments on the changes required
<ul style="list-style-type: none"> Figure 4.3.2: Integration Model Figure 4.3.4: SMHAN device permitted joins <p>These diagrams will need to be updated to capture the differences in a SMETS1 flow and to include the SMETS1 CSP, this may require additional sections to be added to explain the SMETS1 flows.</p>	1.4 Variation of requirements in relation to SMETS1 Devices	4.2.1.1 – Electricity Smart Metering equipment	Changes to include SMETS1 variations
	1.4 Variation of requirements in relation to SMETS1 Devices	4.2.1.2 - Electricity Smart Metering equipment	Changes to include SMETS1 variations
	1.4 Variation of requirements in relation to SMETS1 Devices	4.2.1.3 – Communications Hub	Changes to include SMETS1 variations
	1.4 Variation of requirements in relation to SMETS1 Devices	4.2.1.4 – Gas Proxy Function	Not applicable to SMETS2? Zigbee mirroring may be employed, but there is no GPF.
	1.4 Variation of requirements in relation to SMETS1 Devices	4.2.1.5 In Home Display (IHD)	Changes to include SMETS1 variations
	1.4 Variation of requirements in relation to SMETS1 Devices	4.2.1.6 Pre-payment Metering Interface Device (PPMID)	Changes to include SMETS1 variations
	1.4.2 SMETS1 Service Requests	4.2.1.7 Hand Held Terminal (HHT)	Not supported by SMETS1 as the SRV 8.13 Return Local Command is not available from the DCC for SMETS1.

Title	Section	Impacted TAD sections	Additional comments on the changes required
	1.4.2 SMETS1 Service Requests	4.2.1.8 HAN Connected Auxiliary Load Control Switch (ALCS / HCALCS)	Not supported by SMETS1 as the SRVs 6.14.1 and 6.14.2 are not available from the DCC for SMETS1
	1.4 Variation of requirements in relation to SMETS1 Devices	4.2.2.1 Smart Meter Wide Area Network (SMWAN)	Changes to include SMETS1 CSPs
	1.4 Variation of requirements in relation to SMETS1 Devices	4.2.3.1 Access Control Broker (ACB)	Updates to include additional processing for SMETS1 SRVs
	1.4 Variation of requirements in relation to SMETS1 Devices	4.2.3.3 Transform Service	Updates to include additional processing for SMETS1 SRVs
	1.4 Variation of requirements in relation to SMETS1 Devices	4.2.4.2 Parse & Correlate	SMETS2 only?
	1.4 Variation of requirements in relation to SMETS1 Devices	4.2.5 Key logical interfaces	Changes to include SMETS1 variations
	1.4 Variation of requirements in relation to SMETS1 Devices	4.3.1 Application of Protocol Standards	Changes to include SMETS1 variations, or alternately indicate this section is only relevant to SMETS2?

Title	Section	Impacted TAD sections	Additional comments on the changes required
	1.4 Variation of requirements in relation to SMETS1 Devices	4.3.2 Protocol Mapping between Components	Changes to include SMETS1 variations. Figure 4.3.2 can probably remain as is, updates to Table 4.3.2 required.
	1.4 Variation of requirements in relation to SMETS1 Devices	4.3.2.1 PPMID connectivity.	Only applicable to SMETS2 devices.
	1.4 Variation of requirements in relation to SMETS1 Devices	4.3.3 Protocol Layer View	This section only applicable to SMETS2.
	1.4.2 SMETS1 Service Requests	4.3.4 SMHAN connected devices and joining	Whilst the join service is available to SMETS1 devices, certain combinations will not be allowed, for example HCALCS, SRVs 6.14.1 & 6.14.2 not available to SMETS1 devices.
	1.4 Variation of requirements in relation to SMETS1 Devices	4.3.5 GSME Mirroring and Tapping Off Mechanism	Only applicable to SMETS2 (including all subsections), update as such.
	1.4 Variation of requirements in relation to SMETS1 Devices	4.4.1 Key Entities and Attributes	Clarify which are applicable to SMETS1.
	1.4 Variation of requirements in	4.5 Security Model	This describes the SMETS2 security architecture and is unlikely to align fully with SMETS1 implementations.

Title	Section	Impacted TAD sections	Additional comments on the changes required
	relation to SMETS1 Devices		
	1.4 Variation of requirements in relation to SMETS1 Devices	5.3 Routing of critical messages and Parse & Correlate.	The process described is SMETS2 specific.
	1.4 Variation of requirements in relation to SMETS1 Devices	5.4 Time Management on Devices	The process described is SMETS2 specific.
	1.4 Variation of requirements in relation to SMETS1 Devices	5.7 Message Versioning	The process described is SMETS2 specific.
SEC Appendix AF - Message Mapping Catalogue v3.0 draft 2	No Impact to TAD	No Impact to TAD	No Impact to TAD.
SEC Appendix AG - Incident Management Policy v1.2 draft	No Impact to TAD	No Impact to TAD	No Impact to TAD.
SEC Appendix AH - Self Service Interface Design Specification v1.2 draft	No Impact to TAD	No Impact to TAD	No Impact to TAD.
SMETS1 Supporting Requirements version 0012 draft	General	1.4 Document References	Updated to include S1SR.
	General	2.6 Architecture Framework	S1SR to be include in list of docs in this section.

Title	Section	Impacted TAD sections	Additional comments on the changes required
	General	3.4.5 Key Interfaces between Domains	S1SR to be include in list of docs in this section.
	3.1 Device IDs	Table 4.4.1 Key entities and Attributes	SMETS1 variations in requirements regarding the use of EUI-64s.
	3.1 Device IDs	5.6 Globally Unique identifiers	SMETS1 variations in requirements regarding the use of EUI-64s as GUIDs
	5.1 – 5.3 Originator Counters	5.6 Globally Unique identifiers	Section 5.6 of the BAD references GBCS with regards to identifiers and counters, for SMETS 1 variations in S1SR should be referenced.
	8.2 Event Logging an Alerts	Table 4.1.3: Business functions relating to Smart Metering Equipment	M06 refers to GBCS 16.2, S1SR table 2 should be referenced for SMETS1. Also SMETS1 alerts are generated by the SMETS1 device and then the S1SP will need to translate the alert from the device to the alert table2 in S1SR, suggest this is captured in the application model in figure 4.2.
	9 Message Codes	5.7 Message versioning	Additional information required in TAD to cover SMETS1 message codes, reference out to S1SR.
	16 OTA Header, Upgrade Image, OTA Upgrade Image and Authorising Remote Party Signature.	Table 4.1.3: Business functions relating to Smart Metering Equipment	M05 – references GBCS for SMETS 2, should reference S1SR for SMETS1.
SEC Changes – Annex B – Final SEC amendments	SEC SECTION F – SMART METERING SYSTEM REQUIREMENTS F2	4.3.1 Application of Protocol Standards	This section is only applicable to SMETS2+ compliant devices.

Title	Section	Impacted TAD sections	Additional comments on the changes required
	F2.10A	4.2 Application Model	Existing application model is SMETS2 specific and will need to be updated, also a new section is required to provide and overview of the various SMETS1 systems as defined in the obligation on the DCC in F2.10A. See SMETS1 Eligible Product Combinations.
	F4 (F4.1A – F4.1C)	4.2.1.3 Communications Hub	Text here needs to be updated to clarify what is applicable to SMETS2. For example, CH is the responsibility of the CSP, but for SMETS1 it's the S1SP. This also applies to all device types described in the Application model and all SMETS2 specific requirements will have to be marked as such.
	SEC SECTION G – SECURITY G3.26 – G3.28	2.6 Architectural framework	CPA is not applicable to SMETS1 devices, SMETS1 devices must have an “appropriate” security standard?
SEC Changes – Annex C – Energy Supplier License Amendments	Annex C - Electricity Supply Licence Conditions	6 Glossary	New defined term “SMETS2+” to be added to glossary. Note - All instances referring to SMETS in the current document should use the SMETS2+ term.
	Annex C - Gas Supply Licence Conditions	6 Glossary	As above.
SEC Changes – Annex D – DCC License Amendments	No Impact to TAD	No Impact to TAD	No Impact to TAD.



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