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Action:	**For Information**

Release 2.0 Technical Architecture Document Project Update – January 2018

1. Purpose

This monthly update covers the activities undertaken in January 2018 in support of the Release 2.0 Technical Architecture Document (TAD) update project. The report includes an update on resource use and expenditure to date.

A high-level dashboard is included in Section 2 of this paper, setting out project status and high-level risks. In addition, a development tracker is provided as Appendix A of this paper for reference.

2. Dashboard

2.1 Project Status

Delivery Area	Commentary	Status
TAD	The development of the TAD to date continues to be delivered to time and budget, with the focus of work in January 2018 being the drafting of the necessary changes to the TAD in light of Release 2.0 changes. Therefore, the status is Green for overall project out-turn.	GREEN

Table 1 – Release 2.0 Technical Architecture Project Status

2.2 High Level Project Risks

Risk ref.	Risk Description	Likelihood (1-5)	Impact (1-5)	Severity	Mitigation *(Planned actions in italics)*	RAG Status
1	The resource estimate and therefore project cost is an underestimate/overestimate and therefore impacting on the project budget	2	4	**8**	• A resource schedule will be put in place based on the project plan. • Monthly reporting in place to the TABASC on effort and associated costs.	**GREEN**
2	The required expertise to undertake the initial review of the document through the TBEC is not available or do not have the required expertise impacting on the quality of the document	2	3	**6**	• The industry representatives available through the TBEC will be supplemented by seeking input from the transitional 868 Sub-Group to the Technical and Business Design Group (TBDG) and SEC Parties and other interested parties.	**GREEN**
3	The TAD requires additional material changes following the addition of further changes to the Release 2.0 scope requiring further effort and resource resulting in an impact on the budget.	2	4	**8**	• If additional changes are added to the scope of Release 2.0, the impact of the changes will be assessed and the details of the impact and resource requirements will be provided to TABASC. • Regular internal monitoring with escalation route to the TABASC Chair, if required.	**GREEN**
4	The TAD requires additional material change following industry review requiring further effort and resource resulting in an impact on the budget.	2	4	**8**	• Monthly reporting in place to the TABASC on effort and associated costs. • Regular internal monitoring with escalation route to the TABASC Chair, if required.	**GREEN**
5	Industry feedback on the content of the document requires a period of amendment following the industry review stage of the project	2	3	**6**	• Monthly reporting in place to the TABASC setting out activities and project status to date. Any risks are monitored through this mechanism with an escalation route between meetings to the TABASC Chair.	**GREEN**

Table 2 – High Level Release 2.0 Technical Architecture Project Risks

3. January 2018 Update

3.1 Key Activities

The following section gives an overview of the TAD review activities undertaken in January 2018:

- In January 2018, the previous version of the TAD, that was in DECC (now BEIS) format, was reformatted to more the current content across into a SEC branded template and to make it easier to edit and reformat, if and where required. The content at this point, bar sections numbering, was moved across on a like for like basis.
- Using the newly reformatted template the draft changes to the TAD in light of the content of Release 2.0 was drafted. The changes that prompted the revisions were driven by the Issue Resolution Proposals (IRPs) listed in Appendix A. These were the IRPs that were identified as part of the analysis of the Release 2.0 content to warrant a change to the TAD.

Additional non- Release 2.0 changes

In addition to amending the TAD to capture the associated changes that Release 2.0 will introduce, additional changes have been drafted to bring certain elements of the TAD in line with the current active and designated Technical Specifications, where applicable. This is because the current version of the TAD was produced against the baselined versions of the Technical Specifications, rather than those that were subsequent designated (or re-designated) as part of the Release 1.x activities.

As these types of changes have been picked up during the TAD drafting activities they have been covered by existing resource estimates and no-additional effort or resource has been required.

When the draft version of the TAD is circulated for review, these additional changes will be highlighted so that the TABASC, the Technical and Business Expert Community (TBEC) and other interested parties can differentiate the drivers of the changes.

Activities for February 2018

Following the initial drafting in January 2018, the activities in February 2018 will focus on internal reviews of the draft changes, and preparing the draft TAD for review by the TABASC, TBEC and other interested parties (including SEC Parties and those involved in transitional groups).

3.2 Costs

Table 3 outlines the actual days' effort for January 2018 against the budgeted amounts. Amounts have been rounded to protect the commercial nature of the information, which is monitored by the SECCo Board on a monthly and quarterly basis in relation to work-packages. Expenditure to date is £8,090 against a full year project budget of £28,000.

	Resource	Anticipated Days Effort – Full Year	Year to Date – Effort	Anticipated Days Effort – Month	Actual Days Effort
TAD Changes	SECAS CoE	12	5.5	3.5	2.5
	SECAS Core	17	3	2	2
	Total	**29**	**8.5**	**5.5**	**4.5**

Table 3 – Actual Effort Against Budget

4. Enhanced progress tracker

Following discussions, at the January 2018 TABASC meeting, the progress tracker (in Appendix A) has been enhanced to give a greater level of detail on the progress to date with the development of the changes to the TAD to reflect the Release 2.0 content.

5. Recommendations

The TABASC is requested to **NOTE** the contents of this paper.

David Barber

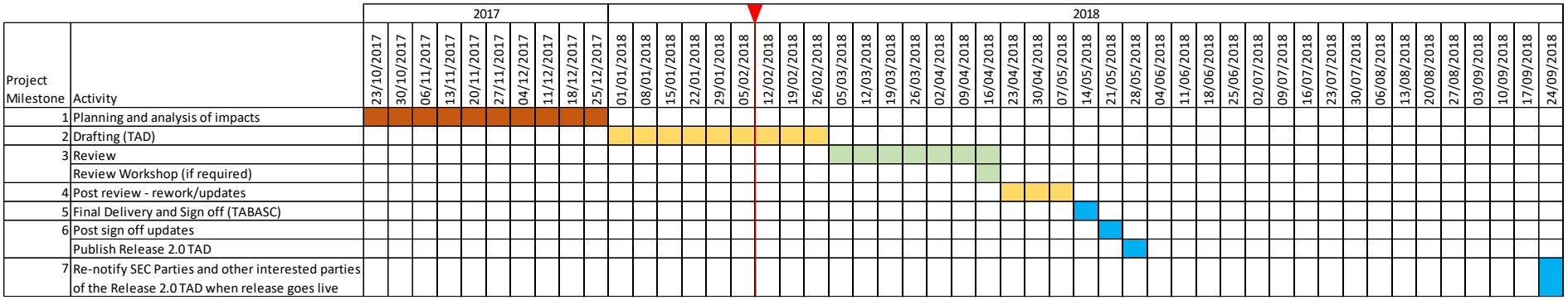
SECAS Team

8th February 2018

Appendix A –Progress made with the Areas that require amendment for Release 2.0

Change Reference	Title	Impacted TAD sections	Additional comments on the changes required	Review Date	TAD Update - Current status	TAD Update – Next steps
CRP412	Events and alerts (consolidated) PART 2	3.1.4 Business Interactions; Table 3.1.4: Business Interactions; Alerts from ESME to Remote Party Add new Alerts 3.1.4 Business Interactions; Table 3.1.4: Business Interactions; Alerts issued by the GSME to Remote Party Add new Alerts 3.1.3 Functional Decomposition; Table 3.1.3: Business functions relating to Smart Metering Equipment; S04 Reading Add reference to configuration of the new events	List with new alerts; the DUIS part is in a different IRP/CRP.	March 2018	**Drafting complete** - The changes to the TAD have been drafted during January 2018	**Internal review** – In February the changes will be internally review in advance of the TAD being issued for external review in March 2018
CRP425	Additional GBCS alerts to align to SMETS	3.1.4 Business Interactions; Table 3.1.4: Business Interactions Check whether new Alert needs adding	Possibly changes needed to the TAD	March 2018	**Drafting complete** - The changes to the TAD have been drafted during January 2018	**Internal review** – In February the changes will be internally review in advance of the TAD being issued for external review in March 2018

Change Reference	Title	Impacted TAD sections	Additional comments on the changes required	Review Date	TAD Update - Current status	TAD Update – Next steps
IRP463	TOM command process issue with regards to CHF checking the response from GSME	3.3.5.2 Tapping Off Mechanism remove reference to CHF in the text		March 2018	**Drafting complete** - The changes to the TAD have been drafted during January 2018	**Internal review** – In February the changes will be internally review in advance of the TAD being issued for external review in March 2018
IRP504	Amend GBCS to reflect ZigBee 1.2b & 1.4	References ZSE 1.2a, all references are out of date.		March 2018	**Drafting complete** - The changes to the TAD have been drafted during January 2018	**Internal review** – In February the changes will be internally review in advance of the TAD being issued for external review in March 2018
IRP513	Manufacturer and Model Values in Remote Party Responses	Update to Table 3.1.4	New Use Cases ECS26n (CHF) ECS26m (ESME) GCS21m (GSME)	March 2018	**Drafting complete** - The changes to the TAD have been drafted during January 2018	**Internal review** – In February the changes will be internally review in advance of the TAD being issued for external review in March 2018
IRP531	ZigBee 1.4 alignment for Release 2	Reference update		March 2018	**Drafting complete** - The changes to the TAD have been drafted	**Internal review** – In February the changes will be internally review in advance of the TAD being issued

Change Reference	Title	Impacted TAD sections	Additional comments on the changes required	Review Date	TAD Update - Current status	TAD Update – Next steps
					during January 2018	for external review in March 2018
CRP427	868 related changes to SMETS, CHTS and GBCS	References ZSE 1.2a Table 3.1.4 section 5- Glossary	Multiple impacts ZSE profile + ZigBee specification revisions updated. CH to support Dual Band 11 new CH use cases (5 cmds, 6 Alerts) GSME, IHD, PPMID + CAD to allow sub-GHz or 2.4 (Duty cycle) new functional requirements for all devices, additional new requirements for GSME Updates to the SEC	March 2018	**Drafting complete** - The changes to the TAD have been drafted during January 2018	**Internal review** – In February the changes will be internally review in advance of the TAD being issued for external review in March 2018

Appendix B - Project Plan