

Paper Reference:	TABASC_42_1605_11
Action:	For Decision

SMETS1 BAD & TAD Project Update – April 2019

1. Purpose

This monthly update covers the activities undertaken in April 2019 in support of the SMETS1 Services Release Business Architecture Document (BAD) and Technical Architecture Document (TAD) update project. The report sets out the project status, an update on resource use and expenditure to date, and the Activity Trackers are provided in Annex A and B.

The TABASC is requested to:

- **AGREE** on the re-baselining of this project in terms of timelines as per Annex A and B (Milestone Plans) and commercials as per Q1 forecasts; and
- **AGREE** an approach to the TABASC approval of the BAD and TAD prior to final publication.

2. Project Summary

The SMETS1 Service Release content changes to the BAD and TAD are complete, and the documents were issued for industry review on 18 April. The deadline for responses is 20 May.

We have started work on updating the BAM and are anticipating that this will complete shortly after final industry comments are received. The updated timescales are included in Annex A.

Design notes were not included in the versions of the BAD and TAD that were updated with SMETS1 Services Release content. However, work is underway to transpose the design notes into the BAD, TAD and BAM and clearly signpost where the information is contained. These updates are planned to be finalised in line with the updated versions of the SMETS1 Services Release versions of BAD and TAD and within the Q1 Financial Year (FY) 2019/20.

In this report (and for all ongoing reports) we will be reporting based on the budget for 2019/20 for this work (£75,000).

3. Project Status

Delivery Area	Commentary	RAG Status
Business Architecture Document (BAD) & Technical Architecture Document (TAD)	<p>The project's overall RAG status in April was Amber due to delays in issuing the documents for industry review. These delays led to consequential impacts on deadlines for updating the documents following receipt of any review comments.</p> <p>Therefore, dependent on the TABASC decision to re-baseline the remaining BAD and TAD activities, the project will be set at Green for the May report.</p>	AMBER (forecast Green)

Table 1 – SMETS1 Project Status

4. Key Activities

The following section gives an overview of the activities undertaken in April 2019:

BAD & TAD Development Update

- Completed the final internal review of all changes which went into the BAD and TAD.
- Issued the BAD and TAD for industry review on 18 April, including the summary documents, which highlight the major changes to the BAD and TAD, to aid the reviewing parties' navigation of the changes.
- Actioning industry review comments received, including the below two TABASC Member comments received regarding the TAD. The following information has been provided to clarify and address the comments.

Reviewer comment on the TAD	SECAS approach to address the comments
It would be helpful to clarify the differences between SMETS1 and SMETS2 functionality. In the present version this is clear from the change tracking, but this will be lost in the final version.	<p>The original SMETS2 TAD sections have been retained in the updated TAD; all the SMETS1 related content is contained in the new section 6 "SMETS1 Enrolment".</p> <p>Sections 2.1 Background and 2.4 Structure of this Document explain this structure.</p> <p>In addition to the sections mentioned above, the introduction can be rewritten to emphasize that the TAD predominantly covers SMETS2 and that the SMETS1 related items are contained in a chapter of its own.</p>
It would be helpful to add some clarity on the different types of 'SMETS1' meters e.g. SMETS1 and SMETS1 compatible where the functionality available via the DCC may be different – and what those differences might be	<p>What is the difference between "SMETS1" and "SMETS1 compatible"?</p> <p>TAD section 6 had been drafted to only cover SMETS compliant devices and any activities required by any party to bring the device up to specification must occur prior to enrolment and will be outside of the DCC systems.</p> <p>The aim of Table 6.5 is to summarise the SMETS1 functionality: Table 4.1.3 served as starting point</p>

	with functionality not supported by SMETS1 devices being removed.
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BAM Development Update

- We have undertaken an impact assessment on the required Business Architecture Model (BAM) changes based on the changes made to the BAD. The BAM will be updated at a high level to reflect the SMETS1 Services Release changes.
- Google analytics have been set up to track the BAM usage. Since the reporting has been set up in late March 2019, 22 different users have clicked on the BAM.

5. Costs

Tables 2 & 3 outline the actual days effort for April 2019 against the anticipated days effort. 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 via work-packages.

The total cost of this project in Q1 2019/20 is £16,911 comprising of £9,029 for the BAD project and £7,882 for the TAD project. This is against a budget of £75,000 for the full project (both BAD and TAD).

5.1 BAD effort breakdown

Resource	Planned Days Effort – Full Project	Planned days April	Actual days in April	Cumulative Total Days Actual (to end of April)
SECAS CoE	67	13	6	29
SECAS Core	40	8	3	20
Total	107	21	9	49

Table 2 – BAD Actual Effort

5.2 TAD effort breakdown

Resource	Planned Days Effort – Full Project	Planned days April	Actual days in April	Cumulative Total Days Actual (to end of April)
SECAS CoE	45	9	5	34
SECAS Core	20	4	3	19
Total	65	13	8	53

Table 3 – TAD Actual Effort

6. Proposal to re-baseline

Due to delays in issuing the BAD and TAD for industry review, we are proposing to re-baseline the projects in terms of their delivery timelines to update TABASC expectation of the final issue date. The TABASC are requested to agree the updated timelines set out in red in Annexes A and B. This re-baseline also provides an opportunity to report against the most up to date assumption set (namely the ongoing changes to the BAM and the proposal to implement design note changes in a subsequent update of the BAD) that underpins the plans.

Based on the updated timelines, the TABASC are requested to agree an approach for approving the BAD and TAD in order to publish the documents at least 1 week prior to the SMETS1 Services Release date of 23 June. Two options for approving the documents following milestone 5¹ are set out below:

Option 1 – agree to hold an extraordinary TABASC teleconference meeting at least two weeks prior to the go live date to enable time to make any final updates prior to publishing. The timing of the meeting would be approximately the week commencing 10 June.

Option 2 – agree for SECAS to address any final TABASC comments and issue the documents 1 week ahead of the SMETS1 Services Release. SECAS would then provide the TABASC with an update at the June meeting.

7. Current Project Risks

7.1 Delivery to time risks

There is a risk that parties provide feedback all at once on the last day of the consultation period or later requiring significant effort to collate, rationalise and incorporate these changes into the updates.

There is also a risk that updating the BAM will require significant effort and lead to delays (due to the current configuration of the BAM on Erwin). A separate proposal on ongoing management of the BAM will be provided in due course (after the SMETS1 BAD and TAD updates are complete and issued). As per TABASC's preference, we will provide periodic reports on the usage of the BAM post update and document issue. The data will be incorporated into any proposal.

8. Recommendations

The TABASC is requested to:

- **NOTE** the contents of this paper;
- **AGREE** to re-baseline the projects as set out in red in Annexes A & B; and
- **AGREE** an approach to the TABASC approval of the BAD and TAD prior to final publication.

Kayla Reinhart

SECAS Team

9 May 2019

¹ Milestone 5: BAD/TAD presented to the TABASC via email for review and approval subject to any feedback.

ANNEX A – BAD Activity Tracker

Milestone (2019)	Activity	Resource	Effort (working days)	BRAG Status
Milestone 1: 4 January - 21 January	Review BAD and BAM against baselined/designated Technical Code Specifications and other SEC changes to identify impacted areas in light of the SMETS1 Service Release and report back to the TABASC and provide a Product Initiation Document (PID) for undertaking the updates.	SECAS Core SECAS CoE	4 10	COMPLETE
Milestone 2: 24 January - 14 March	Draft changes to create a version of the BAD containing the SMETS1 Services Release content.	SECAS Core SECAS CoE	3 30	COMPLETE
Milestone 3: 18 April - 20 May 22 March - 9 April	Issue draft BAD changes to the Technical Architecture and Business Architecture Sub-Committee (TABASC), the Technical and Business Expert Community (TBEC) and make available to other interested SEC Parties for review (20 Working Days).	<i>n/a</i>	<i>20 Working Days</i>	COMPLETE
Milestone 4: 21 May - 28 May 23 April - 2 May	BAD updated following receipt of any review comments.	SECAS Core SECAS CoE	5 3	GREEN
Milestone 5: 29 May - 5 June 16 May	BAD presented to the TABASC via email for review and approval subject to any feedback.	SECAS Core	4	GREEN
Milestone 6: 10 June May 2019 (Release date minus 1 week)	BAD reflecting SMETS1 Services Release published alongside version 2.0.	SECAS Core	0.5	GREEN
Milestone 7: 24 June May 2019 ²	On SMETS1 Services Release date, SEC Parties notified of new live version being in effect.	SECAS Core	0.5	GREEN

² This is based on the SMETS1 Service functionality go-live date on 23 June 2019.

Milestone (2019)	Activity	Resource	Effort (working days)	BRAG Status
(Release date)				
Milestone 8: 22 April - 5 June & April - 14 May	Prepare changes to BAM to reflect BAD updates, incorporating review comments from BAD.	SECAS Core SECAS CoE	19 13	GREEN
Milestone 9: 10 June - 17 June & May	BAM presented to the TABASC via a login portal for review and approval, subject to any feedback and actioning TABASC feedback.	SECAS Core	3	GREEN
Milestone 10: 24 June May 2019	The BAM containing the changes in the new live Release is uplifted and provided in unrestricted format on the SEC Website.	SECAS Core SECAS CoE	1 1	GREEN

ANNEX B – TAD Activity Tracker

Milestone (2019)	Activity	Resource	Effort (Working Days)	Current Status
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	COMPLETE
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	COMPLETE
Milestone 3: 18 April - 20 May 42 March - 9 April	Issue draft changes to the TABASC, the TBEC and other interested SEC Parties for review (at least 20 Working Days).	<i>n/a</i>	<i>20 Working Days</i>	COMPLETE
Milestone 4: 21 May - 28 May 18 April - 2 May	TAD updated following receipt of review comments	SECAS Core SECAS CoE	4 5	GREEN
Milestone 5: 29 May - 5 June 16 May	TAD presented to the TABASC via email for review and approval subject to any feedback	SECAS Core	1	GREEN
Milestone 6: 10 June May 2019 (Release date minus 1 week)	Technical Architecture Document, reflecting SMETS1 Service release content published alongside version 2.0	SECAS Core	0.5	GREEN
Milestone 7: 24 June May 2019 ³ (Release date)	On SMETS1 Service release go-live date SEC Parties notified of the new live version	SECAS Core	0.5	GREEN

³This is based on the SMETS1 Service functionality go-live date on Saturday 23 June 2019.