

sBMS, ESP, CIR-MID and CRRS Projects Status

IO AG, 16/02/2021

sBMS Project – Status Update

- sBMS release 1.0 supporting full IL/BCS delivered on 17/12/2021.
- Infrastructure:
 - SST environment ready at CU
 - 31 CT environments for MS are being set up
 - Preproduction and production environments ongoing at CU/BCU
- SST functional testing with EES and VIS ongoing
- ECRIS-TCN integration started (EiO 15/05/2023)
- SIS migration started (EiO 15/12/2023)
- WP4 Transition for EES and VIS: started

sBMS Project – sBMS USK

- Beta Testing data quality thresholds
 - EES Pilot completed. Report available for MS USK SpoCs
 - VIS Pilot started. SE with their ESP went live with FP worldwide on 8th Feb 2022
- Latest Version of sBMS USK (v5.35.3) released on 10 Jan 2022
 - Support for Android 11
- Roadmap of Functionalities and evolutions agreed for 2022
 - March 30th 2022
 - ✓ Conversion 1000dpi to 500 dpi (Win/Lin/And/iOS)
 - ✓ Support for WSQ compression for 500 dpi (iOS)
 - June 30th 2022
 - ✓ Rolled Prints Quality Thresholds for ECRIS (WIN/Lin/Andr)
 - September 30th 2022
 - Support for iOS 16 and Android 12
 - December 2022
 - ✓ SIS requirements (Latents, Palmprints)

sBMS Project – biometric data for accuracy measurements

- EDPS opinion received on 05/11/2021:
 - Recommendations to be implemented in the sBMS DPIA and Accuracy Measurement DPIA
 - OK to use real VIS fingerprints data
 - More information required for real VIS facial images data
- Updated sBMS DPIA and Accuracy Measurement DPIA sent to EDPS on 04/02/2022.
- Preparatory activities are ongoing (procedures and tools).
- Statistical analysis of VIS data shows that there is enough data with the required characteristics for sBMS accuracy measurements.
- Call for 4 MS Biometric Experts to support accuracy measurements
 - Deadline 15th Nov 2021

ESP Project - Analysis and Design phase

- Lot1 deliverables in finalization period;
 - Collaborative approach on requirements and HLD with Lot2 to unblock any delays
- Lot2 work on the ICD's; Version V3 delivered to MS on 7th of February. New comments expected from member states by 18th of February. All comments received will be assessed and position will be presented on a QA file. Version with aforementioned considerations and expert comments implemented expected to be available early March.
- Work on other Lot2 deliverables such as Software Architecture Design (SAD) ongoing
- Lot3 Analysis and Design workstream will start as soon as contracts are signed. Expected beginning of March.

ESP Project - Key Risk(s) & Issue(s)

#	Risk or Issue	Description	Response
Risk1	ESP Scope is subject to pressure from other systems to adapt to individual requirements of said systems.	Due to central role of Interoperability and ESP in the middle of different systems and operators, the scope of IO systems and specially ESP is under constant requests to adapt and mitigate the issues between different systems.	ESP scope must be kept intact and compliant as per legal base.
Issue1	Hardware procurement	Hardware procurement streams for testing and preproduction are starting up. Extreme lead times stemming from global chip shortage some delays affecting the work streams are highly likely	Advance stream for test environment mitigated the expected delays on first wave of hardware. However the situation remains critical until all BoM's are produced within the Analysis and design workstream of Lot3.

CIR-MID – Analysis & Design Phase

❑ High Level Analysis & Design (Lot 1 Contractor)

- **High Level Design, High Level Architecture, Specifications and the Requirements –**

Status: Close completion of Requirements Repositories and High Level Design.

In order to minimise the delay on the Lot 2 activities, the deliverables were shared with Lot 2, resulting in high level and detailed analysis and design activities running in parallel.

❑ Detailed Analysis & Design (Lot 2 Contractor)

- **Detailed technical specifications, design & architecture –**

- Stable CIR (incl. MID) ICD: Third updated version of the ICD shared with the Member States on Feb 04, 2022. Feedback welcome by Feb 18, 2022. Fourth updated version expected March 4th, 2022.

- Software Architecture Documents (SAD): Architecture Overview being updated following eu-LISA review.

CIR-MID Project - Key Risk(s) & Issue(s)

#	Title	Description	Response
Issue 1	Compressed timeline.	Compressed timeline following the Procurement lengthy process to select Lot 2 vendor.	Close engagement of eu-LISA, Lot 1 and Lot 2 teams to ensure progress as per plan. Also activities broken down into smaller chunks to allow more work to take place in parallel.
Issue 2	Finalisation of high level analysis & design artefacts delayed (Lot 1)	Delay due to initial low quality of deliverables and then also availability of reviewers. Some lot 1 deliverables, such as HLD and Requirements are key inputs to detailed design & development (Lot 2). Lot 2 impacted as a result. Member States impacted as requirements consultation postponed (est. until January 2022 for now).	Prioritise requirements & architecture deliverables. Also progressing with some of the high level and detailed analysis & design activities running in parallel. Risk around any potential misalignment being closely monitored.
Risk 1	Turnover on the vendors side	Lot 1 PM support: new resource allocated in September and only 50%. Additional resource expected early 2022. Lot 2 PM capability: PM left in December 2021. Third PM replacement since September 2021. Impact: knowledge loss, slow down due to learning curve and security clearance.	Lot 1: additional resource expected early 2022 Lot 2: replacement in place Existing Lot 1 & Lot 2 PMs will continue their involvement with CIR-MID until new hires are in place and up to speed to ensure continuity & minimize the impact on the project.
Risk 2	Scope change	Any scope change (i.e. MTT, not yet adopted IA) could have a critical impact on the timeline.	Change request to be managed through Change Management.

CRRS Analysis & Design Phase

❑ High Level Analysis & Design (Lot 1)

- Requirements Repository: The SfA1 is expected on February 18th and SfA2 on March 4th containing all contractual primary and secondary legislation.
- High Level Design, eu-LISA review and acceptance process on going. Submission for acceptance expected February 25th

❑ Detailed Analysis & Design (Lot 2)

- Stable ICD:

CRRS external ICD for MS has been submitted for acceptance. Comments from Austria, NL provided to Lot2 .

Assessment by Lot2 in progress.

CRRS internal ICD has been delivered, eu-LISA review process on-going, Review meeting with CBSs reviewers to be conducted this week. Comments implementation approach to be clarified by eu-LISA during the review meetings.

Software Architecture Document –SAD- (incl. detailed system architecture, detailed technical spec): Next version expected to be prepared – SfA1 . Expected on 15/02. SDLC docs to be assessed by Lot2. Splunk docs to be provided by Lot1

CRRS Project - Key Risk(s) & Issue(s)

#	Title	Description	Response
Risk 1	<p>Misalignments due to Lot1/Lot2 work parallelization</p> <p><i>Status: Increased number of meetings between the teams is in place</i></p>	In parallel, Lot 1 and Lot 2 Key deliverables are under preparation, this may cause misalignments between them	<p>→ Shared meetings in place</p> <p>→ Additional effort needed (Lot1, Lot2, eu-LISA) to make sure High level and detailed specification are being aligned</p>
Risk 2	<p>Late clarification on open points made resulting in re-work & delay.</p> <p><i>Status: versioning delivery and prioritisation from stakeholders</i></p>	Process of knowledge transferring to Lot 2 results in raising open point which may have an impact on the timeline needed to prepare critical deliverables such as ICD	→ Prioritisation provided by BRM Management and LOT2 stakeholders
Risk 3	<p>Not adequate requirements definition in regards to AI</p> <p><i>Status: under the internal discussion</i></p>	Not complete and adequate requirements elicitation in regards to AI may result in missing elements which will further requires change request in order to implement	<p>→ Careful requirement elicitation</p> <p>→ To make sure legal basis is clearly understood and taken into account</p> <p>→ Put additional effort on reviewing requirements baseline</p>

THANK YOU!

eu-LISA

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Management of Large-Scale IT Systems in
the Area of Freedom, Security and Justice

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