

Maturity Assessment Criteria

1. Thread: DEMO (3)

ID	Criteria	Satisfaction	Rationale - Link to deliverables - Comments	Reviewers comments	Where?	Who checks the achievement?	Criticality	Link between Maturity Criteria and EATMA	Last modified on	Last modified by
DEMO.TRL7.1	Were the Demonstration activities executed using a demonstration technique suitable for that maturity level e.g. shadow mode and / or live trials?	Achieved	All demonstrations executed with live trials or shadow mode. See D2.1 DEMOR	-	DEMO REPORT	PJ.19	CRITICAL	N/A	 one minute ago	Guerin, Etienne
DEMO.TRL7.2	Has the Verification and Demonstration Infrastructure i.e. (demonstration platform) been successfully verified and accepted prior to the demonstration activity?	Achieved	Demonstration infrastructure described in D1.2 Availability Note.	-	Availability Note DEMO	PJ.22	NOT CRITICAL	N/A	 one minute ago	Guerin, Etienne
DEMO.TRL7.3	Was the system at or near scale of the operational system, with most functions available for demonstration and test and with EASA proof of concept authorisation if necessary?	Achieved	Demonstration Infrastructure validated. See D1.2 Availability Note No EASA proof of concept authorisation was necessary.	-	DEMO REPORT Availability Note DEMO	PJ.22	CRITICAL	N/A	 one minute ago	Guerin, Etienne

2. Thread: OPS (4)

ID	Criteria	Satisfaction	Rationale - Link to deliverables - Comments	Reviewers comments	Where?	Who checks the achievement?	Criticality	Link between Maturity Criteria and EATMA	Last modified on	Last modified by
OPS.TRL7.1	Does the Demonstration Report provide a brief description of the operating method under the scope of the SESAR Solution(s) aligned with the relevant reference documentation for these SESAR Solution(s)? Note: In the corresponding DEMO PLAN, these criteria and sub-criteria should have been already covered and they might constitute quality acceptance criteria of the DEMO PLAN itself	Achieved	Operating method described in D2.1 DEMOR section 3.4.2	-	DEMO REPORT	PJ.19	CRITICAL	N/A	 one minute ago	Guerin, Etienne
OPS.TRL7.2	Does the Demonstration Report describe any deviation with respect to the requirements that characterize the SESAR Solution(s) under the scope of the Demonstration activity (available in the applicable SPR-INTEROP/OSED per SESAR Solution)? For example: • Requirements not implemented for the demonstration activities; • Modifications on existing requirements at SESAR Solution(s) level that are needed to perform the Demonstration activity.	Achieved	Deviations with SESAR Solution documented in D2.1 DEMOR section 3.2.1	-	DEMO REPORT	PJ.19	CRITICAL	N/A	 one minute ago	Guerin, Etienne
OPS.TRL7.3	Have the demonstration exercises been performed in a (sub)operating environment that is representative of the one intended for the SESAR	Achieved	Demonstration exercises were performed in high density areas	-	DEMO REPORT	PJ.19	CRITICAL	The OE and sub-OE are	 one minute ago	Guerin, Etienne

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	Solution(s) under the scope of the Demonstration?		(both TMA and en-route). D2.1 DEMOR.					available and consistent in EATMA	ago	
OPS.T RL7.4	Has the project demonstrated that the integration of the SESAR technological solution(s) in an "actual operational environment" is operationally feasible?	Achieved	Demonstrations performed with operational or close-to-operational technical environment as described in D1.2 Availability Note.	-	DEMO REPORT	PJ.19	CRITICAL	N/A	 one minute ago	Guerin, Etienne

3. Thread: PER (12)

ID	Criteria	Satisfaction	Rationale - Link to deliverables - Comments	Reviewers comments	Where?	Who checks the achievement?	Criticality	Link between Maturity Criteria and EATMA	Last modified on	Last modified by
PER.T RL7.1	Have the performance assessments been performed and documented following PJ19 Performance Assessment Reference Material? Note: In the corresponding DEMO PLAN, these criteria and sub-criteria should have been already covered and they might constitute quality acceptance criteria of the DEMO PLAN itself.	Achieved	Performance assessment Methodology is documented in Appendix E of D2.1 DEMOR	-	DEMO REPORT	PJ.19	-	N/A	 one minute ago	Guerin, Etienne
PER.T RL7.2	Have the performance impacts claimed in the V3 benefit mechanisms for the applicable SESAR Solutions confirmed by the VLD project?	Achieved	Results provided in section 4. of D2.1 DEMOR	-	DEMO REPORT	PJ.19	CRITICAL	N/A	 one minute ago	Guerin, Etienne
PER.T RL7.3	Has a safety assessment been performed and documented following SESAR PJ19 Safety Reference Material? Note: In the corresponding DEMO PLAN, these criteria and sub-criteria should have been already covered and they might constitute quality acceptance criteria of the DEMO PLAN itself: - Does the demonstration plan include the required documentation of the current safety assurance status in order to make a decision on approval to move a SESAR solution from a pre-industrialization stage to a 'ready for VLD' status? (This includes ensuring that the findings of the safety assessment at V3 are fully accounted for and any safety issues not adequately addressed in the Solution System design are	Not Applicable	Safety case were documented by each ANSP using their own process, and validated with relevant NSA when required.	-	DEMO REPORT	PJ.19	CRITICAL	N/A	 one minute ago	Guerin, Etienne
PER.T RL7.3.1	Does the VLD Safety Case properly structure and document the summary of the results of the VLD Safety Assessment? The VLD Safety Case will serve both the primary purpose of ensuring that those participant service providers who are accountable for safety discharge their safety responsibilities properly and also provide an adequate level of safety assurance to obtain the necessary regulatory approval	Not Applicable	Safety case were documented by each ANSP using their own process, and validated with relevant NSA when required. No regulatory approval is necessary.	-	DEMO REPORT	PJ.19	CRITICAL	N/A	 one minute ago	Guerin, Etienne
PER.T RL7.3.2	Does the demonstration report provide evidences that the safety demonstration objectives and higher-level safety requirements have	Achieved	No safety issues were encountered during trial, as	-	DEMO REPORT	PJ.19	CRITICAL	N/A	 one minute ago	Guerin, Etienne

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	been achieved?		documented in D2.1 DEMOR section 4.2.1						minute ago	
PER.T RL7.3.3	Does the demonstration report provide an evaluation of the physical Solution System against the detailed design in V3?	Not Applicable	-	-	DEMO REPORT	PJ.19	NOT CRITICAL	N/A	 one minute ago	Guerin, Etienne
PER.T RL7.3.4	Are there evidences that the safety (risk) assessment has been approved by the relevant authorities?	Achieved	D2.1 DEMOR Appendix A	-	DEMO REPORT	PJ.19	CRITICAL	N/A	 one minute ago	Guerin, Etienne
PER.T RL7.4	Has the security assessment been carried out and documented in conformance with the SESAR Security Reference Material? This includes cybersecurity relevant aspects	Not Applicable	-	-	DEMO REPORT	PJ.19	-	N/A	 one minute ago	Guerin, Etienne
PER.T RL7.5	Has the Human Performance assessment been carried out and documented in conformance with the SESAR Human Performance Reference Material? Note: feedback on the potential impact / modifications on the Solution data packs (requirements, regulations, etc.) shall be reported in the DEMOR	Not Applicable	-	-	DEMO REPORT	PJ.19	-	N/A	 one minute ago	Guerin, Etienne
PER.T RL7.6	Have training needs been specified in sufficient detail?	Not Applicable	-	-	DEMO REPORT	PJ.19	-	N/A	 one minute ago	Guerin, Etienne
PER.T RL7.7	Have changes in competence requirements and the impact on recruitment and selection been considered?	Not Applicable	-	-	DEMO REPORT	PJ.19	-	N/A	 one minute ago	Guerin, Etienne
PER.T RL7.8	Has a Environmental Impact Assessment (EIA) been performed and documented following SESAR PJ19 Environmental Reference Material?	Not Applicable	-	-	DEMO REPORT	PJ.19	-	N/A	 one minute ago	Guerin, Etienne

4. Thread: PRG (1)

ID	Criteria	Satisfaction	Rationale - Link to deliverables - Comments	Reviewers comments	Where?	Who checks the achievement?	Criticality	Link between Maturity Criteria and EATMA	Last modified on	Last modified by
PRG.T RL7.1	Have the demonstration activities provided any result that may impact the IOC-FOC dates of the relevant SESAR Solution(s) in EATMA?	Not Applicable	-	-	DEMO REPORT	PJ.19	CRITICAL	N/A	 one minute ago	Guerin, Etienne

5. Thread: STD & REG (3)

ID	Criteria	Satisfaction	Rationale - Link to deliverables - Comments	Reviewers comments	Where?	Who checks the achievement?	Criticality	Link between Maturity Criteria and EATMA	Last modified on	Last modified by
S&R.T RL7.1	Has the VLD project contribution to operational or technical standards been documented?	Achieved	Recommendations provided in D2.1 DEMOR section 5.2.2	-	DEMO REPORT	PJ.20	NOT CRITICAL	N/A	 one minute ago	Guerin, Etienne
S&R.T RL7.2	Which means of compliance (MOC) been used/tailored to show compliance with the applicable regulations?	Not Applicable	-	-	DEMO REPORT	PJ.20	CRITICAL	N/A	 one minute ago	Guerin, Etienne
S&R.T RL7.3	Has a Certification Review Item (CRI) for the airworthiness aspect been hold?	Not Applicable	-	-	DEMO REPORT	PJ.20	CRITICAL	N/A	 one minute ago	Guerin, Etienne

6. Thread: SYS (5)

ID	Criteria	Satisfaction	Rationale - Link to deliverables - Comments	Reviewers comments	Where?	Who checks the achievement?	Criticality	Link between Maturity Criteria and EATMA	Last modified on	Last modified by
SYS.T RL7.1	Does the Demonstration Report describe any deviation with respect to the requirements that characterize the SESAR Solution(s) under the scope of the Demonstration activity and available in the applicable TS/IRS per SESAR Solution For example: • Requirements not implemented for the demonstration activities; • Modifications on existing requirements at SESAR Solution(s) level that are needed to perform the Demonstration activity.	Achieved	Deviations with SESAR Solution definition provided in D2.1 DEMOR section 3.2.1	-	DEMO REPORT	PJ.19	CRITICAL	N/A	 one minute ago	Guerin, Etienne
SYS.T RL7.2	Has an "actual system prototype" of the SESAR solution(s) been produced and integrated in an "actual operational environment"? Actual system prototype: Early versions of end-user systems, to confirm deployment readiness of the targeted solution at a larger scale. Evidence is provided in the Availability Note.	Achieved	Demonstration infrastructure provided in D1.2 Availability Note.	-	Availability Note DEMO	PJ.19	CRITICAL	N/A	 one minute ago	Guerin, Etienne
SYS.T RL7.3	Has an "actual system prototype" demonstrated that it meets critical functional and performance requirements in the final intended operating environment?	Achieved	All demonstration objectives were met, as detailed in D2.1 DEMOR section 4.1	-	DEMO REPORT Availability Note DEMO	PJ.19	CRITICAL	N/A	 one minute ago	Guerin, Etienne
SYS.T RL7.4	Has a scalability analysis to handle large scale realistic use-cases been performed and reported in the DEMO Report? Note: In the corresponding DEMO PLAN, these criteria and sub-criteria should have been already covered and they might constitute quality acceptance criteria of the DEMO PLAN itself	Not Applicable	-	-	DEMO REPORT	PJ.19	NOT CRITICAL	N/A	 one minute ago	Guerin, Etienne

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SYS.TRL7.5	Has the project demonstrated that the integration of the SESAR technological solution(s) in an "actual operational environment" is technically feasible?	Achieved	Solution demonstrated through live trials.	-	DEMO REPORT	PJ.19	CRITICAL	N/A	 one minute ago	Guerin, Etienne

7. Thread: TRA (1)

ID	Criteria	Satisfaction	Rationale - Link to deliverables - Comments	Reviewers comments	Where?	Who checks the achievement?	Criticality	Link between Maturity Criteria and EATMA	Last modified on	Last modified by
TRA.TRL7.1	Are there recommendations proposed to be addressed during industrialization and deployment?	Achieved	Recommendations provided in D2.1 DEMOR section 5.2.1	-	DEMO REPORT	PJ.19	CRITICAL	N/A	 one minute ago	Guerin, Etienne