FS_eEDGEAPP - Status and Plan

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Jan 10th, 2022

FS_eEDGEAPP Timeline – Status and Plan

S6-212xyz

Study Item	WI Code	SID Approved	SA6#46-e	Target Completion	Remarks
Study on enhanced Application Architecture for enabling Edge Applications	**FS_eEDGEAPP**	SA#92 (06/2021)	**45%**	SA#96 (06/2022)	3 meetings available until 06/2022 to complete remaining 55% study.

	Nov 2021	Feb 2022	Apr 2022	May 2022	Jun 2022	Aug 2022	Oct 2022	Nov 2022	Jan 2023	Feb 2023	
SID/WID	SA6#46-e TUs	SA6#47-e TUs	SA6#48 TUs	SA6#49 TUs	SA6#49-BIS TUs	SA6#50 TUs	SA6#51 TUs	SA6#52 TUs	SA6#52-BIS TUs	SA6#53 TUs	Total
FS_eEDGEAPP	4	4	6	6	4	4	5	5	5	5	48

Study **Normative**

Work plan eEDGEAPP (SID + WID)

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Meeting	2021		Proposed work plan for <WID/SID>	Estimated TUs
SA6#46-e	15 – 23 November 2021	Online	SID: Key issues + Solutions	4
	2022			
SA6#47-e	**14 – 18 February 2022**	**To be converted to e-meeting**	**SID: Key issues + Solutions**	**4**
SA6#48	**04 – 08 April 2022**	**North America, Location, TBC**	**SID: Key issues + Solutions + Evaluations**	**6**
SA6#49	**16 – 20 May 2022**	**Asia, Location, TBC**	**SID: Solutions + Evaluations + Conclusion + WI approval**	**6**
SA6#49-BIS	27 June – 01 July 2022	[Only, if needed] Location, TBC	WID: Requirements/Architecture	4
SA6#50	22 – 26 August 2022	Europe, Location, TBC	WID: Requirements/Architecture + Procedures	4
SA6#51	10 – 14 October 2022	Asia, Location, TBC	WID: Procedures	5
SA6#52	14 – 18 November 2022	North America, Location, TBC	WID: Procedures	5
	2023			
SA6#52-BIS	16 – 20 January 2023	[Only, if needed] Location, TBC	WID: Procedures	5
SA6#53	27 Feb – 03 Mar 2023	Europe, Location, TBC	WID: Procedures	5
		Total TUs		48

Mapping of solutions to key issues - observations

	KI #1	KI #2	KI #3	KI #4	KI #5	KI #6	KI #7	KI #8	KI #9	KI #10	KI #11	KI #12	KI #13	KI #14	KI #15	KI #16
Sol #1	X															
Sol #2							X									
Sol #3	X															
Sol #4						X				X						
Sol #5						X				X						
Sol #6			X													
Sol #7			X													
Sol #8		X														
Sol #9														X		
Sol #10															X	
Sol #11		X			X											
…																

Observations:

- No solution exists for 6/16 KIs
  - KI#4 (EDGE-5)
  - KI#8 (EAS selection synchronization)
  - KI#9 (Enhancement of dynamic EAS instantiation triggering)
  - KI#11 (ACR between EAS and Cloud Application Server)
  - KI#12 (EEL service differentiation)
  - KI#13 (Edge enabler layer support for EAS synchronization)
- Rest of the KIs has either partial or complete solution

Summary

- Hurry to bring any new KIs (in next 2 meetings)
- Target to complete solutions for existing KIs (in next 3 meetings)
- Complete Solution evaluation that does not exist for 6 solutions
- Other incomplete areas include:
  - Deployment scenarios
  - Involved entities and relationships
  - Overall evaluation
  - Conclusions
- Suggestion: to also prioritize on completing GSMA OP requirements

ANNEX

List of KIs and Solutions

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- Key issue #1: Enhanced notification service to the EEC
- Key issue #2: Enablement of Service APIs exposed by EAS
- Key issue #3: Enhancements to service continuity planning
- Key issue #4: EDGE-5
- Key issue #5: Alignment of EDGEAPP and ETSI MEC
- Key issue #6: Edge services support across ECSPs
- Key issue #7: Application traffic filter exposure
- Key issue #8: EAS selection synchronization
- Key issue #9: Enhancement of dynamic EAS instantiation triggering
- Key issue #10: Support for roaming UEs
- Key issue #11: ACR between EAS and Cloud Application Server
- Key issue #12: EEL service differentiation
- Key issue #13: Edge enabler layer support for EAS synchronization
- Key issue #14: Application traffic influence for initially selected EAS
- Key issue #15: Support of constrained devices for Edge
- Key issue #16: support of NAT deployed within the edge data network

- Solution #1: Service provisioning via push notification
- Solution #2: Traffic filter support for EDGE-3 API addressing application traffic detection
- Solution #3: Service provisioning triggering via SMS over NAS
- Solution #4: ECS discovery through serving ECS to support edge services across ECSPs
- Solution #5: ECS enhancement to discover EESs via other ECSs to support edge services across ECSPs
- Solution #6: ACR update in service continuity planning
- Solution #7: EES monitors UE mobility for service continuity planning
- Solution #8: EAS Service API enablement using CAPIF
- Solution #9: Application traffic influence trigger from EAS
- Solution #10: low power mode support
- Solution #11: A deployment option for alignment with ETSI MEC using CAPIF

Thank You!