



TSG SA Report to TSG RAN Questions for Advice and Requests

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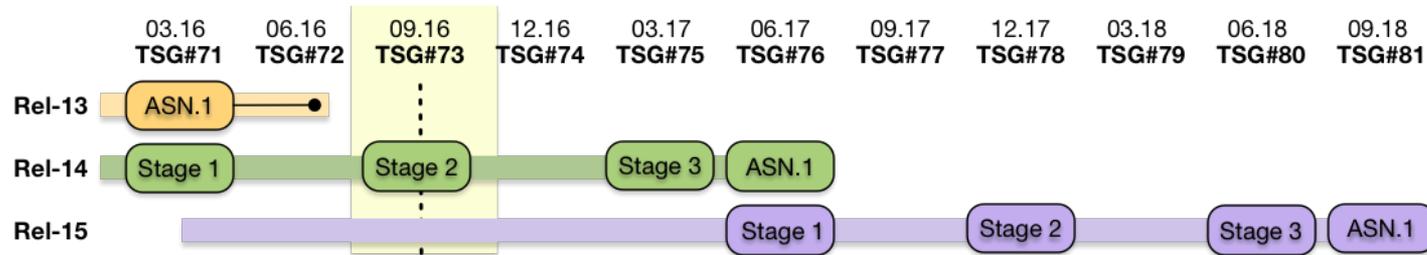
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SA Status Overview



 Rel-14 stage 2 freeze.

Exceptions for stage 2 (SA2) requested.

SA6 normative work targets TSG#74 completion.

 Rel-15 stage 1 started for SA1 after TSG#72.

SA WG1 Summary



Work Item	Rel	WI Code	was %	is %	concludes
Remote UE access via relay UE	14	REAR	95%	100%	TSG 72
New Services and Markets Technology Enablers	15	SMARTER	0%	55%	TSG 75
User Controlled Spoofed Call Treatment	15	SPECTRE		100%	TSG 73
Enhanced Calling Name Service	15	eCNAM		0%	TSG 74
Study on New Services and Markets Technology Enablers – Network Operation	15	FS_SMARTER-NEO	95%	100%	TSG 72
Study on Enhancement of 3GPP support for V2X service	15	FS_eV2X	30%	70%	TSG 74
Study on Future Railway Mobile Communication System	15	FS_FRMCS	0%	25%	TSG 75
Study on enhancements of Public Warning System	15	FS_ePWS		0%	TSG 77
Study on Maritime Communication Services over 3GPP system	15	FS_MARCOM		0%	TSG 76

- 📶 What to call **5G** in 3GPP?
- 📶 SA1 LS to RAN on 5G work alignment (RP-161791) should be discussed at RAN#73.

SA WG2 Summary



Work Item	Rel	WI Code	was %	is %	concludes
FS on Enhancements of Dedicated Core Networks selection mechanism	14	FS_eDECOR	95	100	TSG 71
Enhancements of Dedicated Core Networks selection mechanism	14	eDECOR	70	100	TSG 73
Control and User Plane Separation of EPC nodes	14	CUPS	0	80	TSG 73 *
Study on Architecture for Next Generation System	14	FS_NextGen	35	64	TSG 73 **
Improvement of awareness of user location change	14	AULC	10	100	TSG 73
Study on Enhanced Isolated E-UTRAN Operation for Public Safety	14	FS_IOPS_LB	6	6	TSG 73 **
Study on PS Data off function	14	FS_PS_DATA_OFF	0	60	TSG 73 **
Study on extended architecture support for Cellular Internet of Things	14	FS_CIoT_Ext	0	70	TSG 75 **
Extended architecture support for Cellular Internet of Things	14	CIoT_Ext		0	TSG 73 *
Study on System Architecture Enhancements to eMBMS for TV Video Service	14	FS_AE_enTV	70	100	TSG 73
System Architecture Enhancements to eMBMS for TV Video Service	14	AE_enTV	0	85	TSG 73 *
Robust call setup for VoLTE subscriber in LTE	14	robVoLTE	0	100	TSG 73

 No requests or questions for RAN: ongoing discussion is handled in LS exchange, etc. at the WG level.

* Exception submitted.

** Study will extend beyond TSG 73.

SA WG2 Summary, Continued



Work Item	Rel	WI Code	was %	is %	concludes
T-ADS supporting WLAN Access	14	eT-ADS	0%	100%	TSG 73
Study on Complementary Features for Voice services over WLAN	14	FS_VoWLAN		0%	TSG 75 **
Study on architecture enhancements for LTE support of V2X services	14	FS_V2XARC	80%	100%	TSG 72
Architecture enhancements for LTE support of V2X services	14	V2XARC	0%	85%	TSG 73 *
Support of Emergency services over WLAN	14	SEW2	45%	100%	TSG 73
S8 Home Routing Architecture for VoLTE	14	V8	60%	95%	TSG 73 *
Study on Service Domain Centralization	14	FS_SeDoC	70%	100%	TSG 73
Service Domain Centralization	14	SeDoC	0%	100%	TSG 73
Sponsored data connectivity improvements	14	SDCI	0%	100%	TSG 73
Non-IP for Cellular IoT for EC-EG{RS}	14	nonIP_GPRS	50%	100%	TSG 73
Enhancements to FMSS	14	eFMSS	0%	100%	TSG 73
Enhancements in the network capability exposure of group-based services	14	GENCEF	0%	90%	TSG 73 *

SA WG3 Summary



Work Item	Rel	WI Code	was %	is %	concludes
Security of MCPTT	13	MCPTT	90	97	TSG 75
Study on Security Enhancements for MCPTT	13	MCPTT	95	97	TSG 75
Study on Security for Proximity-based Services	13	FS_ProSe_Sec	97	98	TSG 74
Security enhancements of EGPRS based cellular systems with support for ultra low complexity and low throughput Internet of Things	13	EASE_EC_GSM	98	99	TSG 75
Security Aspects of Narrowband IOT	13	CloT	80	100	TSG 73
New GPRS algorithms for EASE	13	EASE_ALGOs_SA3	60	60	TSG 72

 No requests or questions for RAN.

SA WG3 Summary, Continued



Work Item	Rel	WI Code	was %	is %	concludes
Security Assurance Specification for 3GPP network product classes	14	SCAS-SA3	78%	90%	TSG 73
TR on Security Assurance scheme for 3GPP network products (33.916)	14	SCAS-SA3TR	95%	98%	TSG 72
Study on IMS Enhanced Spoofed Call Prevention and Detection	14	FS_ESCAPADES	30%	30%	TSG 74
Study on Battery Efficient Security for very low Throughput Machine Type Communication Devices	14	FS_BEST_MTC_Sec	98%	100%	TSG 70
Study on security aspects for LTE support of V2X services	14	FS_V2XLTE	50%	65%	TSG 73
Study on Architecture and Security for Next Generation System	14	FS_NSA	10%	25%	TSG 74
Security Assurance Specification for PGW network product class	14	SCAS_PGW		10%	TSG 76
Lawful Interception Rel-14	14	LI14			
Study on Mission Critical Security Enhancements	14	FS_MC_Sec		25%	TSG 74

SA WG3LI Summary



 No requests or questions for RAN.

Work Item	Rel	WI Code	was %	is %	concludes
Lawful Interception in the 3GPP Rel-13	13	LI13	35%		TSG 72
Study on Lawful Interception Service Evolution	14	FS_LISE	10%		TSG 74
Study on LI in S8 Home Routing Architecture for VoLTE	14	FS_LIV8	55%		TSG 72

SA WG4 Summary



No requests or questions for RAN: ongoing discussion is handled in LS exchange, etc. at the WG level.

Work Item	Rel	WI Code	was %	is %	concludes
Study of Enhanced Acoustic Test Specifications	14	FS_SEATS	70%	80%	TSG 75
Study on Interactivity Support for 3GPP-based Streaming and Download Services	14	FS_IS3	50%	70%	TSG 74
Development of super-wideband and fullband P.835 test framework, databases, and performance specification	14	DESUDAPS	60%	70%	TSG 76
MBMS Transport Protocol and APIs	14	TRAPI	35%	60%	TSG 75
Media Handling Extensions of IMS-based Telepresence	14	IMS_TELEP_EXT	10%	60%	TSG 74
Improved Streaming QoE Reporting in 3GPP Services and Networks	14	IQoE	10%	55%	TSG 75
Study on Server and Network Assisted DASH for 3GPP	14	FS_SAND	10%	60%	TSG 74
Study on UE characteristics and performance for Video	14	FS_UE_VTPerf	10%	30%	TSG 76
Study on Virtual Reality	14	FS_VR	10%	40%	TSG 75
Feasibility Study on User Services Enhancements in 3GPP for TV Services	14	FS_USE_3GPP_4_T V	0%	30%	TSG 74
Feasibility Study on MBMS user plane support for Mission Critical Services	14	FS_MCP_V	0%	30%	TSG 75
Feasibility Study on MBMS Extensions for Provisioning and Content Ingestion	14	FS_xMBMS	0%	30%	TSG 74
Extension of UE Delay test methods and requirements	14	EXT_UED	0%	20%	TSG 75
Enhancements to Multi-stream Multiparty Conferencing Media Handling	14	MMCMH_Enh	0%	50%	TSG 75

SA WG5 OAM Summary



Work Item	Rel	WI Code	was %	is %	concludes
Management concept, architecture and requirements for mobile networks that include virtualized network functions	14	OAM14-MAMO_VNF-MCAR	70%	90%	TSG 74
Configuration management for mobile networks that include virtualized network functions	14	OAM14-MAMO_VNF-CM	30%	50%	TSG 74
Fault management for mobile networks that include virtualized network functions	14	OAM14-MAMO_VNF-FM	50%	75%	TSG 74
Performance management for mobile networks that include virtualized network functions	14	OAM14-MAMO_VNF-PM	30%	60%	TSG 74
Lifecycle management for mobile networks that include virtualized network functions	14	OAM14-MAMO_VNF-LCM	25%	40%	TSG 74
Filtering of PM measurements and data volume measurements for shared networks	14	OAM14-FILMEAS	15%	60%	TSG 74
OAM support for Licensed Shared Access (LSA)	14	OAM14-LSA		20%	TSG 75
Study on OAM support for assessment of energy efficiency in mobile access networks	14	FS_OAM_EE	55%	55%	TSG 75
Study on OAM aspects of SON for AAS-based deployments	14	FS_OAM_SON_AAS	40%	60%	TSG 74
Study on Implementation for the Partitioning of Itf-N	14	FS_IMP_ITFN	10%	35%	TSG 75
Study on Management and Orchestration Architecture of Next Generation Network and Service	14	FS_NGNS_MOA		10%	TSG 75
Study on Management and Orchestration of Network Slicing	14	FS_MONETS		10%	TSG 75
Study on management aspects of next generation network architecture and features	14	FS_MAN_NGNAF		5%	TSG 75



(S5-165323/SP-160612)

For new SID:
Management aspects of virtualized network functions that are part of RAN, there was 1 objection: SA5 waits for a reply to their LS to RAN3 (S5-164305/SP-160521) asking *“which functions in clause 5 deployment scenarios of TR 38.801 can be virtualized?”* Can this be expedited?

SA WG5 Charging Summary



Work Item	Rel	WI Code	was %	is %	concludes
Resource optimization for PS domain online charging sessions	14	CH14-ROPOCH	10%	20%	TSG 75
Determination of Completeness of Charging Information in IMS	14	CH14-DCCII		10%	TSG 75
Charging Aspects of Enhanced Proximity-based Services	14	CH14-ProSe		40%	TSG 75
Charging Aspects of S8 Home Routing Architecture for VoLTE	14	CH14-V8		15%	TSG 74
Study on Overload Control for Diameter Charging Applications	14	FS_DOCME_CH	10%	10%	TSG 76



No requests or questions for RAN.

SA WG6 Summary



Work Item	Rel	WI Code	was %	is %	concludes
Common functional architecture to support mission critical services	14	MCImp-MC_ARCH	10%	40%	TSG 74
Enhancements for Mission Critical Push To Talk	14	MCImp-eMCPTT	10%	35%	TSG 74
Functional architecture and information flows for Mission Critical Video	14	MCImp-MCVideo	5%	25%	TSG 74
Functional architecture and information flows for Mission Critical Data	14	MCImp-MCData	5%	10%	TSG 74
Study on MBMS usage for mission critical communication services	14	FS_MBMS_Mcser vices	35%	60%	TSG 74
Study into mission critical system migration and interconnect between MCPTT systems	14	FS_MCSMI	5%	40%	TSG 74
Study on Mission Critical Communication Interworking between LTE and non-LTE Systems	14	FS_MCCI	5%	20%	TSG 74

 No requests or questions for RAN.

Topics for RAN-SA Coordination



- 📶 Endorsed plan still targets December for coordination, to facilitate creation of Rel-15 WIDs for 'Next Generation Architecture' (RP-160041, RAN#71)
 - Related: PCG#36 encouraged increased coordination between RAN and SA
- 📶 Endorsed plan still targets March Checkpoint for decisions of core network deployment scenarios for NR in Rel-15. (SP-160465, SA#72)

Thanks