Technical Specification Group Services and System Aspects **TSGS#22(04) 0082**
Meeting #23, Phoenix, Arizona, USA, 15-18 March 2004

Source:	**Chairman, Secretary SA1**
Title:	**Status Report of SA_WG1 (Services)**
Document for:	**Information and Decision**
Agenda Item:	**7.1.1**

TSG SA1 STATUS REPORT

1 General Overview of Progress

The TSG_SA_WG1#23 Plenary Meeting was held in Innsbruck, Austria from the 12th to 16th January 2004. It was chaired by Mr Michele Zarri (T-Mobile) and the secretary was Mr Michael Clayton from the MCC. The host was the European Friends of 3GPP.

2 External Liaisons

The following liaison statements have been sent from SA1 to external bodies.

Document Number	Title	To	Copy	Sent
S1-040135	Reply to LS to 3GPP SA Concerning the Handling of Emergency Calls on 3G Networks	GSMA SerG	SA	20/01/2004
S1-040188	LS on MMS targeting UE elements	T2	OMA MWG-MMSG, JSR-205 Expert Group	20/01/2004
S1-040189	LS on MMS PrePay Service Requirements.	GSMA SERG	T2	20/01/2004
S1-040191	Liaison Statement on EC Requirements on Emergency Telecommunications	OCG EMTEL	SA	20/01/2004
S1-040216	Liaison Statement to 3GPP TSG SA on Video Telephony	GSMA SerG	SA	20/01/2004

3 Change Requests for R99

The following CRs are for R99.

3.1 Correction of emergency call set-up MMI requirements (22.101)

Specification of the emergency call set-up MMI within the USIM/SIM is described as mandatory from R99 onwards. From this, it can be interpreted that it is only pre-R99 SIMs that may have no stored emergency numbers.

The current text for the case when no emergency numbers are present, however, mentions both SIM and USIM. This text would appear to be contradictory to the apparently 'mandatory' requirement for storage of the emergency call MMI.

Therefore, a request was made to clarify that, even though it is expected that USIM will contain emergency numbers, the case of no emergency numbers stored within the USIM still needs to be handled as specified within TS 22.101.

The CRs to R99, Rel-4 and Rel-5 are presented in document SP-040083 for approval.

There is no CR for Rel-6 as the text is already clear.

Meeting	SA Doc	TS No.	CR No	Rev	Rel	Cat	Subject	Vers. Current	Vers New	SA1 Doc
SP-23	SP-040083	22.101	147	-	R99	F	Correction of emergency call set-up MMI requirements	3.16.0	3.17.0	S1-040230
SP-23	SP-040083	22.101	148	-	Rel-4	A	Correction of emergency call set-up MMI requirements	4.9.0	4.10.0	S1-040231
SP-23	SP-040083	22.101	149	-	Rel-5	A	Correction of emergency call set-up MMI requirements	5.12.0	5.13.0	S1-040232

3.2   Alignment to TS 31.102 on FDN/BDN unsupported terminal procedure (22.101)

An inconsistent description has been discovered between TS 22.101 and TS 31.102.

In the case when FDN/BDN is enabled, FDN/BDN unsupported terminals shall not allow the receiving of calls in SA1 specifications, however they are permitted from T3 point of view.

This inconsistency was introduced by the difference between GSM and UMTS service features. In GSM, FDN/BDN unsupported terminals do not make nor receive calls because IMSI is invalidated in the SIM. In UTRAN, T3 introduced the new feature to enable/disable FDN/BDN feature at EF_EST in the USIM from the beginning of R99, therefore receiving calls are still allowed for FDN/BDN unsupported terminals in case FDN/BDN is enabled in the USIM.

When creating UTRAN specifications, this description in the TS 22.101 was not updated, so alignment is needed. It should be noted that the behaviour in the TS 31.102 also conforms to the current handset manufacturer's implementations.

The CRs to R99, Rel-4, Rel-5 and Rel-6 are presented in document SP-040084 for approval.

Meeting	SA Doc	TS No.	CR No	Rev	Rel	Cat	Subject	Vers. Current	Vers New	SA1 Doc
SP-23	SP-040084	22.101	142	-	R99	F	Alignment to TS 31.102 on FDN/BDN unsupported terminal procedure.	3.16.0	3.17.0	S1-040195
SP-23	SP-040084	22.101	143	-	Rel-4	A	Alignment to TS 31.102 on FDN/BDN unsupported terminal procedure.	4.9.0	4.10.0	S1-040196
SP-23	SP-040084	22.101	144	-	Rel-5	A	Alignment to TS 31.102 on FDN/BDN unsupported terminal procedure.	5.12.0	5.13.0	S1-040197
SP-23	SP-040084	22.101	145	-	Rel-6	A	Alignment to TS 31.102 on FDN/BDN unsupported terminal procedure.	6.6.0	6.7.0	S1-040198

3.3   Routing of Emergency Calls based on Geographic Coordinates (22.071)

Accurate routing of emergency calls to the correct Emergency Service Provider is required. Enabling routing based on the geographical coordinates of the calling party will increase the probability of more accurate routing.

At SA#22 it was decided that the functionality agreed for R6 should be provided as far back as possible to R97 (as originally requested by T1P1). Hence, this is a R99 CR for the change that has been already approved for R6.

The CRs to R99, Rel-4 and Rel-5 are presented in document SP-040085 for approval. There is no Rel-6 CR since the requirements were introduced in SP-20.

Meeting	SA Doc	TS No.	CR No	Rev	Rel	Cat	Subject	Vers. Current	Vers New	SA1 Doc
SP-23	SP-040085	22.071	066	-	R99	F	Routing of Emergency Calls based on Geographic Coordinates	3.4.0	3.5.0	S1-040126
SP-23	SP-040085	22.071	067	-	Rel-4	A	Routing of Emergency Calls based on Geographic Coordinates	4.5.0	4.6.0	S1-040127
SP-23	SP-040085	22.071	068	-	Rel-5	A	Routing of Emergency Calls based on Geographic Coordinates	5.3.0	5.4.0	S1-040128

4   Change Requests for Rel-5

The following CRs are for Release 5.

4.1   MoveLeg precondition alignment (22.078)

In CN2 #30 a refinement was agreed on the pre-conditions of MoveLeg; this is an operation to request the GSM Service Switching Function to move the leg from its current Call Segment to another (CSID1). The rationale for this change was that otherwise it is impossible to get original Basic Call State Model (BCSM) into active state and the change introduced by CN2 corrected a chicken-egg problem: MoveLeg is possible at alerting or active phase, but the original BCSM does not get there unless an outgoing leg is moved to that call segment.

Currently MoveLeg is not allowed in Stage 1 because of the precondition and so a CR is being presented to correct this.

The CRs to Rel-5 and Rel-6 are presented in document SP-040086 for approval.

Meeting	SA Doc	TS No.	CR No	Rev	Rel	Cat	Subject	Vers. Current	Vers New	SA1 Doc
SP-23	SP-040086	22.078	169	-	Rel-5	F	MoveLeg precondition alignment	5.12.0	5.13.0	S1-040148
SP-23	SP-040086	22.078	170	-	Rel-6	A	MoveLeg precondition alignment	6.3.0	6.4.0	S1-040149

5   Change Requests for Rel-6

ThSe following sections contain CRs to release 6.

5.1   Acronyms for the Flexible Layer One (21.905)

At the last meeting of SA1, a liaison statement was received indicating that in Release 6, TSG GERAN is introducing a new feature: the Flexible Layer One (see 3GPP TR 45.902). This feature will provide radio bearers that increase the spectral efficiency of real time multimedia, streaming and other services that benefits from tailored SDU formats and low protocol overhead in GERAN.

In conjunction with this, some new abbreviations and acronyms are introduced and so a CR was provided to insert these into 21.905.

The CRs are presented in document SP-040087 for approval.

Meeting	SA Doc	TS No.	CR No	Rev	Rel	Cat	Subject	Vers. Current	Vers New	SA1 Doc
SP-23	SP-040087	21.905	055	-	Rel-6	B	Acronyms for the Flexible Layer One	6.5.0	6.6.0	S1-040115

5.2   Periodic Network Selection attempt enhancement (22.011)

In the last meeting, SA1 received a CR to 22.011 on periodic selection. When in Automatic Mode the UE makes periodic attempts to look for a higher priority PLMN of the same country as the currently received PLMN. The point of the CR is to mandate that if a periodic selection takes place, the UE shall not choose and different access technology from that of the existing connection.

There was some debate on this one in SA1, but time was given to allow companies to discuss this in-house. In the event, it was agreed by SA1 and it presented in SP-04088 for approval.

Meet ing	SA Doc	TS No.	CR No	Rev	Rel	Cat	Subject	Vers. Curre nt	Vers New	SA1 Doc
SP-23	SP-040088	22.011	054	-	Rel-6	C	Periodic network selection attempts enhancement	6.2.0	6.3.0	S1-040200

5.3   System selection and Priority usage of UICC parameters for I-WLANs (22.011)

Priority usage of UICC parameters for I-WLAN

There are a number of parameters that need to be stored in the UICC and taken into account by the WLAN UE for WLAN Selection, WLAN access authentication and PLMN selection if they are available. Currently, there is no mandate that these should be used. Therefore, SA1 has made a change to 22.011 to include these parameters and their use in relation to the WLAN.

System selection among multiple I-WLANs

It was identified in SA1 that there is an ambiguity in system selection by the UE in conjunction with I-WLAN. This is being clarified such that home and preferred PLMNs are identified.

The CRs to 22.011 is presented in document SP-040089 for aproval.

Meet ing	SA Doc	TS No.	CR No	Rev	Rel	Cat	Subject	Vers. Curre nt	Vers New	SA1 Doc
SP-23	SP-040089	22.011	055	-	Rel-6	C	System selection among multiple I-WLANs	6.2.0	6.3.0	S1-040236
SP-23	SP-040089	22.011	056	-	Rel-6	F	Priority usage of UICC parameters for I-WLAN	6.2.0	6.3.0	S1-040257

5.4   Inclusion of U-TDOA positioning method (22.071)

With the work in GERAN to include U-TDOA, the list of supported positioning methods in the 3GPP LCS stage 1 specification is now out of date. Therefore a change to 22.071 is being made to include uplink time difference of arrival (U-TDOA) positioning method.

The CR to do this is provided in document SP-040090 for approval.

Meet ing	SA Doc	TS No.	CR No	Rev	Rel	Cat	Subject	Vers. Curre nt	Vers New	SA1 Doc
SP-23	SP-040090	22.071	069	-	Rel-6	F	Inclusion of U-TDOA positioning method	6.6.0	6.7.0	S1-040199

5.5   Improvements to CS Video and Voice Service procedures (22.101)

Many operators regard circuit switched video services as a key part of UMTS, however, there are several situations where swapping between video and voice calls is considered to be necessary. These include (but are not limited to):

a) movement from good 3G coverage (i.e. able to support 64 kbit/s uplink) into "fringe 3G coverage" (i.e. able to support voice but not video on the uplink)

b) movement from good 3G coverage into 2G coverage (e.g. at a corner, or entry into a building); and

c) when using voice on a 3G or 2G cell (which is in a 3G coverage area) the user initiates a video session with the person they are speaking to.

Without a reliable mechanism to handle these scenarios the operator community believes that such service loss would not provide satisfactory user experience and as such, a mechanism to switch between video and voice only calls is required.

The CR to implement this is provided in document SP-040091 for approval.

Meeting	SA Doc	TS No.	CR No	Rev	Rel	Cat	Subject	Vers. Current	Vers New	SA1 Doc
SP-23	SP-040091	22.101	146	-	Rel-6	B	Improvements to Circuit Switched Video and Voice Service procedures	6.6.0	6.7.0	S1-040215

5.6 High Availability requirement for OSA (22.127)

At SA #22, a proposal was received to support for High Availability in OSA, which is currently limited to a small subset of the available OSA features, e.g., Call Control. At the time it was reported that the absence of a fully defined high availability approach for OSA requires vendor specific solutions for realizing high availability including geographical redundancy. These vendor specific solutions are neither technology independent nor interoperable in a multi-vendor deployment.

In SA, there were a number of comments related to this CR and so it was agreed to discuss this off-line and return to the CR later in the SA#22 meeting. The off-line discussion did not provide an agreed conclusion. No consensus could be reached in the meeting for either support or rejection of this CR so it was decided to send the issue to CN WG5 to determine the need for this functionality, or whether the functionality is already included in the specifications and feed back to TSG SA, copied to SA WG1 (via LS) to help towards a decision on this.

A liaison statement from CN5 was received which did not really clarify the issue in SA1. Therefore, a compromise was reached and this was sent in a liaison statement with a proposed CR. SA1 has not received as yet any reponse from CN5, but subject to agreement, the CR is presented in document SP-040092 for approval.

Meeting	SA Doc	TS No.	CR No	Rev	Rel	Cat	Subject	Vers. Current	Vers New	SA1 Doc
SP-23	SP-040092	22.127	070	-	Rel-6	B	High Availability requirement for OSA	6.4.0	6.5.0	S1-040241

5.7 Changes to MMS (22.140)

There are three CRs to 22.140 in Release 6.

MMS targetting UE elements

In the process of defining MMS, SA1 included a feature that allowed for MMs to be sent

directly to applications on the UE. This was, however, phrased as "MM not intended for presentation" and this has caused some interpretation problems.

Therefore, CR 22.140-041 is being presented to make the text more specific in document SP-040093.

Prepaid – lack of credit error in MMS

There is a need for prepaid users, that are using MMS to send and receive MM, to be notified that the reason that a service (either submission or delivery of MM) was not completed is due to restrictions on the prepaid service. The situation that needs to be addressed is when the originator of the MM lacks funds in his prepaid account.

Therefore, SA1 is putting forward a CR 22.140-42 in document SP-040093 to include the requirement.

Handling of private addressing schemes

Following the approval of the work item "Handling of private addressing schemes in MMS" at T#22, SA1 has elaborated a CR that introduces the service requirement. Such services can use all the available MMS capabilities and can perform one or more of the following actions on MMs for which these services are invoked:

- advanced address resolution
- control the submission/delivery
- apply service specific charging.

Examples of operator specific services include address hunting and VPN (private addressing).

This CR has been worked on a great deal in SA1. It started as a comprehensive document which sought to lay down all the service requirements. However, whilst there was agreement on the work item, the details could not be resolved. Therefore, this CR is intended to kick start the work in T2 and is expected to be added-to in the future.

The CR 22.140-043 is presented in document SP-040093 for approval.

Meeting	SA Doc	TS No.	CR No	Rev	Rel	Cat	Subject	Vers. Current	Vers New	SA1 Doc
SP-23	SP-040093	22.140	041	-	Rel-6	B	MMS targetting UE elements	6.4.0	6.5.0	S1-040233
SP-23	SP-040093	22.140	042	-	Rel-6	C	Prepaid – lack of credit error in MMS	6.4.0	6.5.0	S1-040234
SP-23	SP-040093	22.140	043	-	Rel-6	B	Handling of private addressing schemes	6.4.0	6.5.0	S1-040254

5.8 User requirements for notification of multicast sessions (22.146)

SA1 has received a CR on requirements of MBMS notification. The change explicitly states the need for a user to be notified of an MBMS multicast session whilst receving PS or CS services.

The CR to implement this is provided in document SP-040094 for approval.

Meet	SA Doc	TS No.	CR No	Rev	Rel	Cat	Subject	Vers.	Vers	SA1 Doc

ing								Curre nt	New	
SP-23	SP-040094	22.146	042	-	Rel-6	F	Clarification on user requirements for notification of multicast sessions	6.3.0	6.4.0	S1-040225

5.9   GUP UE Requirements (22.240)

In relation to GUP, there is an assumption that a data store is "always available". However, with a UE, it is usual for the UE not to be connected to the network. The changes proposed in this CR cover the aspect of the UE that was not covered in 22.240-004 (SP-030707), which clarified the synchronization model.

The CR is presented in document SP-040095 for approval.

Meet ing	SA Doc	TS No.	CR No	Rev	Rel	Cat	Subject	Vers. Curre nt	Vers New	SA1 Doc
SP-23	SP-040095	22.240	005	-	Rel-6	F	GUP UE Requirements	6.2.0	6.3.0	S1-040202

5.10   CRs to MBMS (22.246)

There are four CRs to 22.246 on Multimedia Broadcast/Multicast Service (MBMS) teleservice requirements.

Advertising of capabilities required to receive a particular transmission

Currently there is no requirement to signal the capabilities required for reception of MBMS content before the transmission of the MBMS content. The UE can, depending on the capabilities either accept the MBMS content or reject it.

Addition of "MBMS transport service" definition

It would appear that there is an inconsistency in 22.246 in relation to "MBMS transport service" which is introduced in section 5 describing "MBMS user services". Also the figure also contains the term for showing its compositions. However, 3.1 Definitions section of TS 22.246 does not have "MBMS transport service", and section 5 also misses the definition.

Therefore, based on TS 22.146 "MBMS transport service" is defined as a point-to-multipoint service and consists of multiple successive sessions.

At the same time, "MBMS multicast/broadcast service" used in TS 22.246 is defined in TS 22.146, and so avoid a confusion and clear up the definition, "MBMS" of the term "MBMS multicast/broadcast service", needs to be deleted.

Clarification on delivery verification for MBMS user services

Currently section 5.3 requires the capability for delivery verification of MBMS user services. Delivery verification shall be transmitted over a point-to-point connection to the operator or service provider.

If delivery verification is transmitted point-to-point to the service provider only, it might bypass the (home) network completely. This would be undesirable, as the network is the entity, being responsible to the service provider, to deliver MBMS content.

<u>Using a single MBMS transport service for multiple MBMS user services</u>

A MBMS user service is composed of one ore more MBMS transport services. By using the same MBMS transport services for more than one MBMS user service, an operator is able to extend the range of offered MBMS user services without sacrificing additional resources over the air.

These CRs to 22.246 are provided in document SP-040096 for approval.

Meeting	SA Doc	TS No.	CR No	Rev	Rel	Cat	Subject	Vers. Current	Vers New	SA1 Doc
SP-23	SP-040096	22.246	001	-	Rel-6	B	CR on advertising of capabilities required to receive a particular transmission	6.0.0	6.1.0	S1-040183
SP-23	SP-040096	22.246	002	-	Rel-6	F	Addition of "MBMS transport service" definition	6.0.0	6.1.0	S1-040226
SP-23	SP-040096	22.246	003	-	Rel-6	F	Clarification on delivery verification for MBMS user services	6.0.0	6.1.0	S1-040227
SP-23	SP-040096	22.246	004	-	Rel-6	C	Using a single MBMS transport service for multiple MBMS user services	6.0.0	6.1.0	S1-040228

6 Change Requests for Rel-7

6.1 MMI Service Code for video and telephony (22.030)

At the last meeting, SA1 received a request to apply a new code to used to to set up a supplementary service to a group of tele or bearer services. The request was to add a MMI service code, allowing UE set a supplementary service to both telephony basic service and BS30 basic service at a single operation. Without this, the user would have to perform two forwarding requests for each part of the two services.

The CR to do this is presented in SP-040097 for approval. It should be noted that no Rel-6 version of 22.030 exists and so this CR will cause the creation of a Rel-6 version without the change and a Rel-7 version with the CR included.

Meeting	SA Doc	TS No.	CR No	Rev	Rel	Cat	Subject	Vers. Current	Vers New	SA1 Doc
SP-23	SP-040097	22.030	011	-	Rel-7	B	Add a MMI Service Code of UE	5.0.0	7.0.0	S1-040239

6.2 CSE change basic service (22.078)

SA1 has received an indication that operators may wish to change basic service using CSE. An example is the case where a subscriber has sufficient credit for a voice call but insufficient credit for a video call. Also, to permit charging cases where the B party pays to receive the call, control is needed at both the A and B party's MSCs.

The change request for this is provided in document SP-040098.

Meeting	SA Doc	TS No.	CR No	Rev	Rel	Cat	Subject	Vers. Current	Vers New	SA1 Doc
SP-23	SP-040098	22.078	168	-	Rel-7	B	CSE change basic service	6.3.0	7.0.0	S1-040238

7 New TSs/TRs

SA1 has two TSs to present for approval.

7.1 TR 22.949 on Study on a Generalised Privacy Capability (Rel-6)

Following the presentation of 22.949 on Study on a Generalised Privacy Capability to SA #22, SA1 has completed the listed outstanding issues except one, but still believe the TR is ready for approval.

The outstanding issue is the addition of requirements on operators/service providers who serve users in multiple jurisdictions, which is yet to be addressed in Annex A to the TR.

However there are no contentious issues and so it is presented for approval in SP-040099.

7.2 TS 22.234 on Requirements for WLAN interworking (Rel-6)

At the last meeting of SA1, some time was devoted WLAN and the way the requirements are collected. Initially, the idea was to put each requirement into SA1 specifications as CRs, but it was identified that not all groups in 3GPP could find these requirements readily. Therefore, it was decided at SA1 to collect the requirements into a single TS and remove them from the SA1 TSs.

This new TS does not contain any new text, but rather text that has been included in CRs to the core specifications. Based on this, SA1 believe that this TS should be Rel-6 and, if adopted, there are a number of CRs to remove the same text from the SA1 core specification.

Therefore, TS 22.234 is being put forward for both information and approval and is presented in document SP-040100.

Should this be approved, then the CRs in SP-040101 should also be approved as these contain the text that has been incorporated into the new TS. If this is not approved, then the CRs in document SP-040101 should be withdrawn.

Meet ing	SA Doc	TS No.	CR No	Rev	Rel	Cat	Subject	Vers. Curre nt	Vers New	SA1 Doc
SP-23	SP-040101	22.011	057	-	Rel-6	D	Extraction of redundant WLAN network selection information [– now in WLAN TS22.234]	6.2.0	6.3.0	S1-040260
SP-23	SP-040101	22.041	012	-	Rel-6	D	Extraction of redundant WLAN related ODB text – now in WLAN TS22.234	6.1.0	6.2.0	S1-040261
SP-23	SP-040101	22.101	150	-	Rel-6	D	Extraction of redundant WLAN information – now in WLAN TS22.234	6.6.0	6.7.0	S1-040258
SP-23	SP-040101	22.101	151	-	Rel-6	D	Extraction of redundant WLAN related simultaneous connection information [now in WLAN TS22.234]	6.6.0	6.7.0	S1-040262
SP-23	SP-040101	22.115	020	-	Rel-6	D	Extraction of redundant WLAN charging information – now in WLAN TS22.234	6.3.0	6.4.0	S1-040259

8 WIs from SA1

SA1 has three updated WIs to present for approval.

8.1   Update of GUP WID

SA1 has received a liaison statement from CN5 to SA1/2 on OSA Rel-6 Requirements resulting from GUP Rel-6 Requirements. CN5 is has asked SA1 to further elaborate the OSA GUP related requirements in TS 22.127 in time for OSA stage 3 to be completed, and to make the modification to the GUP WID proposed above.

SA1 is still working on OSA GUP related requirements and is hoping to provide CRs to 22.127 at the next SA1 meeting. In the meantime, an updated WID is being provided in line with the CN5 request.

It is provided in document SP-040102 for approval.

8.2   Update of Multimedia Priority Service WID

SA approved the Work Item Description for Multi-media Priority Service in SP-030039 at SA #19. This WID builds upon the work done to develop the Priority Service Feasibility Study (TR 22.950) and the Priority Service Guide (TR 22.952).

This contribution proposes a revision of the WID to reflect changes in the expected completion date, work item rapporteur and the title of the WID/TR.

It is presented in document SP-040103 for approval.

8.3   WID on USSD message delivery and transfer to USIM

SA1 has received one new WI on USSD message delivery and transfer to USIM. A mechanism to deliver USSD strings from the USIM to the network and receive the reply has existed since R99, however, there is currently no specified delivery and transfer mechanism for the USIM to receive Network initiated USSD. This feature is considered to be very desirable by many operators.

Therefore, document SP-040104 contains a WI proposed for approval.

9   Other Issues

At the last SA1, Telcordia proposed WID for feasibility study generic interworking functionality for LCS between 3GPP-IWLAN systems. There was some interest in this in SA1 and it was thought that the feasibility study could be worked under the LCS SWG under the existing WID. Telcordia offered to edit the proposed TR for the study. SA1 agreed that for the LCS work, the work should be started and that the LCS WI should be sufficient.

10   Meetings of SA1

10.1 Meetings since last SA

The following meetings have been held since SA #21.

Meeting	Date	Place	Host
SA1#23	12 –16 January 2004	Innsbruck, Austria	European friends of 3GPP

10.2 Planned meetings

SA1 has the following meetings scheduled, so far.

SA1 Plenary

Meeting	Date	Place	Host
SA1#24	10 – 14 May 2004	Shenzhen , China	ZTE
SA1#25	28 June – 02 July 2004	North America	NA friends of 3GPP
SA1#26	11 – 15 October 2004	Europe	European friends of 3GPP

SA1 SWGs

None

Annex 1: Documents provided to this Plenary

Tdoc	Title	source	Agenda	Doc for
SP-040081	Presentation of SA1 to SA #23	SA WG1 Chairman	7.1.1	Information
SP-040082	Status report of SA1 to SA #23	SA WG1 Chairman	7.1.1	Information
SP-040083	CRs to 22.101 on Correction of emergency call set-up MMI requirements (R99, Rel-4, Rel-5)	SA WG1	7.1.3	Approval
SP-040084	CRs to 22.101 on Alignment to TS 31.102 on FDN/BDN unsupported terminal procedure (R99, Rel-4, Rel-5, Rel-6)	SA WG1	7.1.3	Approval
SP-040085	CRs to 22.071 on Routing of Emergency Calls based on Geographic Coordinates (R99, Rel-4, Rel-5)	SA WG1	7.1.3	Approval
SP-040086	CRs to 22.078 on MoveLeg precondition alignment (Rel-5, Rel-6)	SA WG1	7.1.3	Approval
SP-040087	CR to 21.905 on Acronyms for the Flexible Layer One (Rel-6)	SA WG1	7.1.3	Approval
SP-040088	CR to 22.011 with Various CRs on network selection (Rel-6)	SA WG1	7.1.3	Approval
SP-040089	CRs to 22.011 on System selection and Priority usage of UICC parameters for I-WLANs (Rel-6)	SA WG1	7.1.3	Approval
SP-040090	CR to 22.071 on Inclusion of U-TDOA positioning method (rel-6)	SA WG1	7.1.3	Approval
SP-040091	CR to 22.101 on Improvements to CS Video and Voice Service procedures (Rel-6)	SA WG1	7.1.3	Approval
SP-040092	CR to 22.127 on High Availability requirement for OSA (Rel-6)	SA WG1	7.1.3	Approval
SP-040093	CRs to 22.140 for MMS (Rel-6)	SA WG1	7.1.3	Approval
SP-040094	CR to 22.146 on User requirements for notification of multicast sessions (Rel-6)	SA WG1	7.1.3	Approval
SP-040095	CR to 22.240 on GUP UE Requirements (Rel-6)	SA WG1	7.1.3	Approval
SP-040096	CRs to 22.246 on MBMS (Rel-6)	SA WG1	7.1.3	Approval
SP-040097	CR to 22.030 on MMI Service Code for video and telephony (Rel-7)	SA WG1	7.1.3	Approval
SP-040098	CR to 22.078 on CSE change basic service (Rel-7)	SA WG1	7.1.3	Approval
SP-040099	TR 22.949 on Study on a Generalised Privacy Capability (Rel-6) for approval	SA WG1	7.1.3	Approval
SP-040100	TS 22.234 on Requirements for WLAN interworking (Rel-6)	SA WG1	7.1.3	Approval

	for approval			
SP-040101	CRs to various specification to remove WLAN requirements	SA WG1	7.1.3	Approval
SP-040102	Update of GUP WID	SA WG1	7.1.3	Approval
SP-040103	Update of Multimedia Priority Service WID	SA WG1	7.1.3	Approval
SP-040104	WID on USSD message delivery and transfer to USIM	SA WG1	7.1.3	Approval

Annex 2: CRs provided to this Plenary

Meeting	SA Doc	TS No.	CR No	Rev	Rel	Cat	Subject	Vers. Current	Vers New	SA1 Doc
SP-23	SP-040087	21.905	055	-	Rel-6	B	Acronyms for the Flexible Layer One	6.5.0	6.6.0	S1-040115
SP-23	SP-040088	22.011	054	-	Rel-6	C	Periodic network selection attempts enhancement	6.2.0	6.3.0	S1-040200
SP-23	SP-040089	22.011	055	-	Rel-6	C	System selection among multiple I-WLANs	6.2.0	6.3.0	S1-040236
SP-23	SP-040089	22.011	056	-	Rel-6	F	Priority usage of UICC parameters for I-WLAN	6.2.0	6.3.0	S1-040257
SP-23	SP-040101	22.011	057	-	Rel-6	D	Extraction of redundant WLAN network selection information [– now in WLAN TS22.234]	6.2.0	6.3.0	S1-040260
SP-23	SP-040097	22.030	011	-	Rel-7	B	Add a MMI Service Code of UE	5.0.0	7.0.0	S1-040239
SP-23	SP-040101	22.041	012	-	Rel-6	D	Extraction of redundant WLAN related ODB text – now in WLAN TS22.234	6.1.0	6.2.0	S1-040261
SP-23	SP-040085	22.071	066	-	R99	F	Routing of Emergency Calls based on Geographic Coordinates	3.4.0	3.5.0	S1-040126
SP-23	SP-040085	22.071	067	-	Rel-4	A	Routing of Emergency Calls based on Geographic Coordinates	4.5.0	4.6.0	S1-040127
SP-23	SP-040085	22.071	068	-	Rel-5	A	Routing of Emergency Calls based on Geographic Coordinates	5.3.0	5.4.0	S1-040128
SP-23	SP-040090	22.071	069	-	Rel-6	F	Inclusion of U-TDOA positioning method	6.6.0	6.7.0	S1-040199
SP-23	SP-040098	22.078	168	-	Rel-7	B	CSE change basic service	6.3.0	7.0.0	S1-040238
SP-23	SP-040086	22.078	169	-	Rel-5	F	MoveLeg precondition alignment	5.12.0	5.13.0	S1-040148
SP-23	SP-040086	22.078	170	-	Rel-6	A	MoveLeg precondition alignment	6.3.0	6.4.0	S1-040149
SP-23	SP-040084	22.101	142	-	R99	F	Alignment to TS 31.102 on FDN/BDN unsupported terminal procedure.	3.16.0	3.17.0	S1-040195
SP-23	SP-040084	22.101	143	-	Rel-4	A	Alignment to TS 31.102 on FDN/BDN unsupported terminal procedure.	4.9.0	4.10.0	S1-040196
SP-23	SP-040084	22.101	144	-	Rel-5	A	Alignment to TS 31.102 on FDN/BDN unsupported terminal procedure.	5.12.0	5.13.0	S1-040197
SP-23	SP-040084	22.101	145	-	Rel-6	A	Alignment to TS 31.102 on FDN/BDN unsupported terminal procedure.	6.6.0	6.7.0	S1-040198
SP-23	SP-040091	22.101	146	-	Rel-6	B	Improvements to Circuit Switched Video and Voice Service procedures	6.6.0	6.7.0	S1-040215
SP-23	SP-040083	22.101	147	-	R99	F	Correction of emergency call set-up MMI requirements	3.16.0	3.17.0	S1-040230
SP-23	SP-040083	22.101	148	-	Rel-4	A	Correction of emergency call set-up MMI requirements	4.9.0	4.10.0	S1-040231
SP-23	SP-040083	22.101	149	-	Rel-5	A	Correction of emergency call set-up MMI requirements	5.12.0	5.13.0	S1-040232

SP-23	SP-040101	22.101	150	-	Rel-6	D	Extraction of redundant WLAN information – now in WLAN TS22.234	6.6.0	6.7.0	S1-040258
SP-23	SP-040101	22.101	151	-	Rel-6	D	Extraction of redundant WLAN related simultaneous connection information [now in WLAN TS22.234]	6.6.0	6.7.0	S1-040262
SP-23	SP-040101	22.115	020	-	Rel-6	D	Extraction of redundant WLAN charging information – now in WLAN TS22.234	6.3.0	6.4.0	S1-040259
SP-23	SP-040092	22.127	070	-	Rel-6	B	High Availability requirement for OSA	6.4.0	6.5.0	S1-040241
SP-23	SP-040093	22.140	041	-	Rel-6	B	MMS targetting UE elements	6.4.0	6.5.0	S1-040233
SP-23	SP-040093	22.140	042	-	Rel-6	C	Prepaid – lack of credit error in MMS	6.4.0	6.5.0	S1-040234
SP-23	SP-040093	22.140	043	-	Rel-6	B	Handling of private addressing schemes	6.4.0	6.5.0	S1-040254
SP-23	SP-040094	22.146	042	-	Rel-6	F	Clarification on user requirements for notification of multicast sessions	6.3.0	6.4.0	S1-040225
SP-23	SP-040095	22.240	005	-	Rel-6	F	GUP UE Requirements	6.2.0	6.3.0	S1-040202
SP-23	SP-040096	22.246	001	-	Rel-6	B	CR on advertising of capabilities required to receive a particular transmission	6.0.0	6.1.0	S1-040183
SP-23	SP-040096	22.246	002	-	Rel-6	F	Addition of "MBMS transport service" definition	6.0.0	6.1.0	S1-040226
SP-23	SP-040096	22.246	003	-	Rel-6	F	Clarification on delivery verification for MBMS user services	6.0.0	6.1.0	S1-040227
SP-23	SP-040096	22.246	004	-	Rel-6	C	Using a single MBMS transport service for multiple MBMS user services	6.0.0	6.1.0	S1-040228

Annex 3: 3G&GSM TSs and TRs under SA1 responsibility

Spec	Title	Ph1	Ph2	R96	R97	R98	R99	Rel-4	Rel-5	Rel-6	Rel-7
01.02	General Description of a GSM Public Land Mobile Network (PLMN)		4.0.2	5.0.0	6.0.1						
01.48	ISDN-based DECT/GSM interworking; Feasibility study			5.0.1	6.0.1						
01.56	GSM Cordless Telephony System (CTS) (Phase 1); CTS Authentication and Key Generation Algorithms Requirements					7.0.0					
01.60	GPRS requirements				6.0.0						
02.01	Principles of telecommunication services supported by a GSM Public Land Mobile Network(PLMN)	3.2.0	4.6.0	5.5.0	6.2.0	7.1.0					
02.02	Bearer Services (BS) Supported by a GSM Public Land Mobile Network (PLMN)	3.2.0	4.2.2	5.3.2	6.1.1	7.0.2					
02.03	Teleservices Supported by a GSM Public Land Mobile Network (PLMN)	3.4.1	4.3.1	5.3.2	6.0.0	7.0.0					
02.04	General on Supplementary Services	3.7.1	4.9.1	5.7.4	6.1.1	7.1.2					
02.06	Types of Mobile Stations (MS)	3.2.0	4.5.2	5.2.1	6.1.1	7.0.1					
02.07	Mobile Station (MS) Features	3.4.1	4.8.2	5.4.1	6.2.0	7.1.0					
02.11	Service Accessibility	3.7.0	4.9.0	5.0.1	6.1.0	7.1.0					
02.16	International Mobile Station Equipment Identities (IMEI)	3.0.1	4.7.1	5.2.0	6.2.0	7.2.0					
02.20	Collection charges	3.0.1									
02.22	Stage 1 for personalisation of GSM ME			5.4.0	6.0.0	7.0.0					
02.24	Description of Charge Advice Information (CAI)		4.5.0	5.0.1	6.0.1	7.0.1					
02.30	Man-machine Interface (MMI) of the Mobile Station (MS)	3.9.0	4.13.0	5.7.1	6.1.0	7.1.1					
02.34	High Speed Circuit Switched Data (HSCSD); Stage 1			5.2.1	6.0.0	7.0.0					
02.40	Procedures for Call Progress Indications	3.2.0	4.5.0	5.0.0	6.0.0	7.0.1					
02.41	Operator Determined Barring		4.5.2	5.1.1	6.0.0	7.0.0					
02.42	Network Identity and Timezone (NITZ); Service Description, Stage 1			5.1.0	6.0.0	7.0.0					
02.43	Support of Localised Service Area (SoLSA); Service description; Stage 1					7.3.0	8.0.0				
02.56	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1					7.2.1	8.0.1				
02.57	Mobile Station Application Execution Environment (MExE) Service description Stage 1					7.1.0					
02.60	General Packet Radio Service Stage 1				6.3.1	7.5.0					

	Description									
02.63	Packet Data on Signalling channels Service (PDS); Stage 1			5.0.0	6.0.0	7.0.0				
02.66	Support of Mobile Number Portability (MNP); Service description; Stage 1					7.1.0				
02.67	Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 1			5.1.1	6.1.1	7.0.1				
02.68	Voice Group Call Service (VGCS); Stage 1			5.2.1	6.0.1	7.0.2	8.1.0			
02.69	Voice Broadcast Service (VBS); Stage 1			5.2.1	6.0.1	7.0.2	8.1.0			
02.71	Location Services (LCS); Stage 1					7.3.0				
02.72	Call Deflection Service description; Stage 1					7.2.1				
02.78	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service definition (Stage 1)			5.6.0	6.6.1	7.2.0				
02.79	Support of Optimal Routeing (SOR); Service definition (Stage 1)			5.2.0	6.0.0	7.0.0				
02.81	Line Identification Supplementary Services; Stage 1		4.6.1	5.1.0	6.0.0	7.0.0				
02.82	Call Forwarding (CF) Supplementary Services; Stage 1	3.6.1	4.5.2	5.0.0	6.0.0	7.0.1				
02.83	Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 1		4.6.7	5.0.0	6.0.0	7.0.0				
02.84	MultiParty (MPTY) Supplementary Services; Stage 1		4.4.7	5.0.0	6.0.0	7.0.0				
02.85	Closed User Group (CUG) Supplementary Services; Stage 1		4.2.6	5.0.0	6.0.0	7.0.0				
02.86	Advice of Charge (AoC) Supplementary Services; Stage 1		4.1.5	5.0.0	6.0.0	7.0.0				
02.87	User-to-User Signalling (UUS) Service Description; Stage 1					7.1.2				
02.88	Call Barring (CB) Supplementary Services; Stage 1	3.6.1	4.4.3	5.0.0	6.0.0	7.0.0				
02.90	Unstructured Supplementary Service Data (USSD); Stage 1		4.1.1	5.1.0	6.0.0	7.0.0				
02.91	Explicit Call Transfer (ECT)			5.1.1	6.0.0	7.0.0				
02.93	Completion of Calls to Busy Subcriber (CCBS) Service Description; Stage 1				6.0.1	7.0.0				
02.95	Support of Private Numbering Plan (SPNP); Service description; Stage 1			5.2.0	6.0.0	7.0.0	8.0.0			
02.96	Name Identification Supplementary Services; Stage 1				6.0.1	7.0.0				
02.97	Multiple Subscriber Profile (MSP) Service description, Stage 1					7.1.0				

21.905	Vocabulary for 3GPP Specifications						3.3.0	4.5.0	5.8.0	6.5.0	
22.001	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)						3.2.0	4.3.0	5.0.0		
22.002	Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)						3.6.0	4.2.0	5.0.0		
22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)						3.3.0	4.3.0	5.2.0		
22.004	General on supplementary services						3.3.0	4.2.0	5.0.0		
22.011	Service accessibility						3.8.0	4.8.0	5.1.0	6.2.0	
22.016	International Mobile Equipment Identities (IMEI)						3.3.0	4.2.1	5.0.0		
22.024	Description of Charge Advice Information (CAI)						3.0.1	4.0.0	5.0.0		
22.030	Man-Machine Interface (MMI) of the User Equipment (UE)						3.4.0	4.1.0	5.0.0		
22.034	High Speed Circuit Switched Data (HSCSD); Stage 1						3.2.1	4.1.0	5.0.0		
22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1						3.4.0	4.3.0	5.4.0	6.2.0	7.0.0
22.041	Operator Determined Call Barring						3.3.1	4.1.0	5.0.0	6.1.0	
22.042	Network Identity and Time Zone (NITZ) service description; Stage 1						3.0.1	4.2.1	5.1.0		
22.057	Mobile Execution Environment (MExE) service description; Stage 1						3.0.1	4.1.0	5.4.0		
22.060	General Packet Radio Service (GPRS); Service description; Stage 1						3.5.0	4.4.0	5.3.0	6.0.0	
22.066	Support of Mobile Number Portability (MNP); Stage 1						3.2.0	4.0.0	5.1.0	6.1.0	
22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1						3.0.1	4.1.0	5.0.0	6.1.0	
22.071	Location Services (LCS); Stage 1						3.4.0	4.5.0	5.3.0	6.6.0	
22.072	Call Deflection (CD); Stage 1						3.0.1	4.0.0	5.0.0		
22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1						3.9.0	4.5.0	5.12.0	6.3.0	
22.079	Support of optimal routeing; Stage 1						3.0.1	4.0.0	5.0.0		
22.081	Line Identification supplementary services; Stage 1						3.2.0	4.1.0	5.0.0		
22.082	Call Forwarding (CF) Supplementary Services; Stage 1						3.0.1	4.2.0	5.0.0		
22.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1						3.0.1	4.1.0	5.0.0		
22.084	MultiParty (MPTY) supplementary service; Stage 1						3.0.1	4.1.0	5.0.0		

22.085	Closed User Group (CUG) supplementary services; Stage 1						3.1.0	4.1.0	5.0.0		
22.086	Advice of Charge (AoC) supplementary services; Stage 1						3.1.0	4.0.0	5.0.0		
22.087	User-to-user signalling (UUS); Stage 1						3.1.0	4.0.0	5.0.0		
22.088	Call Barring (CB) supplementary services; Stage 1						3.0.2	4.1.0	5.0.0		
22.090	Unstructured Supplementary Service Data (USSD); Stage 1						3.1.0	4.0.0	5.0.0		
22.091	Explicit Call Transfer (ECT) supplementary service; Stage 1						3.1.0	4.0.0	5.0.0		
22.093	Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1						3.0.1	4.0.0	5.0.0		
22.094	Follow Me service description - Stage 1						3.1.0	4.1.0	5.0.0	6.0.0	
22.096	Name identification supplementary services; Stage 1						3.0.1	4.0.0	5.0.0		
22.097	Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1						3.2.0	4.1.0	5.0.0		
22.100	UMTS Phase 1						3.7.0				
22.101	Service aspects; Service principles						3.16.0	4.9.0	5.12.0	6.6.0	
22.105	Services and service capabilities						3.10.0	4.3.0	5.2.0	6.2.0	
22.115	Service Aspects Charging and billing						3.4.0	4.1.0	5.4.0	6.3.0	
22.121	Service aspects; The Virtual Home Environment; Stage 1						3.3.1	4.1.1	5.3.1		
22.127	Service Requirement for the Open Services Access (OSA); Stage 1							4.4.0	5.5.0	6.4.0	
22.129	Handover requirements between UTRAN and GERAN or other radio systems						3.6.0	4.4.0	5.2.0	6.1.0	
22.135	Multicall; Service description; Stage 1						3.4.0	4.2.0	5.0.0		
22.140	Multimedia Messaging Service (MMS); Stage 1						3.1.0	4.3.0	5.4.0	6.4.0	
22.141	Presence service; Stage 1									6.2.0	
22.146	Multimedia Broadcast/Multicast Service (MBMS); Stage 1									6.3.0	
22.174	Push service; Stage 1									6.2.0	
22.226	Global text telephony (GTT); Stage 1: Service description								5.2.0		
22.228	Service requirements for the Internet Protocol (IP) multimedia core network subsystem; Stage 1								5.6.0	6.5.0	
22.233	Transparent end-to-end packet-switched streamng service; Stage 1								5.0.0	6.3.0	
22.240	Service requirements for 3GPP Generic User Profile (GUP); Stage 1									6.2.0	

22.242	Digital Rights Management (DRM); Stage 1									6.2.0	
22.243	Speech recognition framework for automated voice services; Stage 1									6.4.0	
22.246	Multimedia Broadcast/Multicast Service (MBMS) teleservice requirements									6.0.0	
22.250	IP Multimedia Subsystem (IMS) Group Management; Stage 1									6.0.0	
22.340	IP Multimedia Subsystem (IMS) messaging; Stage 1									6.1.0	
22.800	IP Multimedia Subsystem (IMS) subscription and access scenarios									2.0.0	
22.934	Feasibility study on 3GPP system to Wireles Local Area Network (WLAN) interworking									6.2.0	
22.940	IP Multimedia Subsystem (IMS) messaging; Stage 1									6.0.0	
22.944	Service requirements for UE functionality split								5.1.0		
22.949	Study on a generalized privacy capability									1.0.0	
22.950	Priority service feasibility study									6.2.0	
22.951	Service aspects and requirements for network sharing									6.1.0	
22.952	Priority service guide									6.0.0	
22.971	Automatic establishment of roaming relationships						3.1.1				
22.975	Advanced addressing						3.1.0				
22.977	Feasibility study for speech-enabled services									6.0.0	
42.043	Support of Localised Service Area (SoLSA); Service description; Stage 1							4.0.0	5.0.0		
42.056	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1							4.0.0	5.0.0		
42.068	Voice Group Call Service (VGCS); Stage 1							4.1.0	5.0.1		
42.069	Voice Broadcast Service (VBS); Stage 1							4.1.0	5.0.1		