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TSG SA1 STATUS REPORT

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1 General Overview of Progress

The TSG_SA_WG1#27 Plenary Meeting was held in Cape Town, South Africa from the 17th to 21st January 2005. It was chaired by Mr Michele Zarri (T-Mobile) and the secretary was Mr Michael Clayton from the MCC. The host was ETSI.

2 External Liaisons

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

Document Number	Title	To	Copy	Sent
S1-050156	Liaison statement to 3GPP SA, SA WG1 for SMS into a group call	EP RT		18/01/2005
S1-050230	Support of eCall on UUS type 1 Supplementary Service	OCG EMTEL		21/01/2005

SA1 has managed to keep its output of liaison statements to eleven at this meeting.

3 Change Requests for R99

There are no CRs for R99.

4 Change Requests for Rel-4

There are no CRs for Rel-4.

5 Change Requests for Rel-5

5.1 Introduction of RAN Information Management (21.905)

SA1 has received a liaison statement from GERAN WG2 indicating that it has introduced in Rel-5 the Radio Access Network Information Management functionality, which supports the exchange of information, via the Core Network, between peer application entities located in a GERAN or in a UTRAN access network.

As a consequence, GERAN WG2 has requested an update of the corresponding chapters in TS 21.905 for Rel-5 and Rel-6.

The CRs to do this are provided in SP-050055.

Meeting	SA Doc	TS No.	CR No	Rev	Rel	Cat	Subject	Vers Current	Vers New	Doc-2nd-Level
SP-27	SP-050055	21.905	060	-	Rel-5	F	Draft CR 21.905 on Introduction of RAN Information Management	5.8.0	5.9.0	S1-050142
SP-27	SP-050055	21.905	061	-	Rel-6	A	Draft CR 21.905 on Introduction of RAN Information Management	6.7.0	6.8.0	S1-050143

5.2 Removal of Announcement Suppression in CAMEL control of IMS (22.078)

Whereas in 3GPP TS 22.078 v5.14.0 specifies in section B.3.4 (Instruction by the CSE) that the CSE shall be able to instruct the IM CN subsystem to suppress tones and announcements which may be played to the calling party, if an unsuccessful IPMM

session establishment occurs, it is not supported in stage 2 (23.278) and stage 3 (29.278) of CAMEL control of IMS.

The CRs to take this requirement out of 22.078 are provided in document SP-050056 for Rel-5, Rel-6 and Rel-7.

Meeting	SA Doc	TS No.	CR No	Rev	Rel	Cat	Subject	Vers Current	Vers New	Doc-2nd-Level
SP-27	SP-050056	22.078	179	-	Rel-5	F	Removal of Announcement Suppression in CAMEL control of IMS (Rel-5)	5.14.0	5.15.0	S1-050163
SP-27	SP-050056	22.078	180	-	Rel-6	A	Removal of Announcement Suppression in CAMEL control of IMS (Rel-6)	6.6.0	6.7.0	S1-050224
SP-27	SP-050056	22.078	181	-	Rel-7	A	Removal of Announcement Suppression in CAMEL control of IMS (Rel-7)	7.2.0	7.3.0	S1-050225

6 Change Requests for Rel-6

The following sections contain CRs to release 6.

6.1 References corrections (22.038)

In 22.038, some references are useless as they are not mentioned in this specification elsewhere than in the reference part. Some other specifications are mentioned with a reference number, but are not indicated the reference part, the corresponding reference numbers being void.

Furthermore, some references are only given for GSM, but the corresponding UMTS specifications are not mentioned as it should be in a USAT stage 1 specification. (It is all a bit of a mess really.)

Therefore, SA1 has made a review and is proposing to fix these errors in document SP-050057 for Rel-6 and Rel-7.

Meeting	SA Doc	TS No.	CR No	Rev	Rel	Cat	Subject	Vers Current	Vers New	Doc-2nd-Level
SP-27	SP-050057	22.038	026	-	Rel-6	F	CR 22.038 Rel-6: References corrections	6.3.0	6.4.0	S1-050246
SP-27	SP-050057	22.038	027	-	Rel-7	A	CR 22.038 Rel-7: References corrections	7.2.0	7.3.0	S1-050247

6.2 Clean-up in Core Network Operator Name Indication section (22.101)

A similar process to that for 22.038 has been applied to 22.101, but this time to delete text relating to further study.

The CRs are provided in document SP-05058 for approval.

Meeting	SA Doc	TS No.	CR No	Rev	Rel	Cat	Subject	Vers Current	Vers New	Doc-2nd-Level
SP-27	SP-050058	22.101	157	-	Rel-6	F	Clean-up in Core Network Operator Name Indication section (22.101)	6.8.0	6.9.0	S1-050160
SP-27	SP-050058	22.101	158	-	Rel-7	A	Clean-up in Core Network Operator Name Indication section (22.101)	7.0.0	7.1.0	S1-050161

6.3 Removal of Reference to TS 22.121

In TSG SA#26 it was agreed that TR 22.121 would not be carried into Rel-6. As a

consequence, SA1 was given the task to update its specifications to remove any references.

This work affected some six SA1 TSs the CRs to which (Rel-6 and Rel-7) are provided in document SP-050059 for approval.

Meeting	SA Doc	TS No.	CR No	Rev	Rel	Cat	Subject	Vers Current	Vers New	Doc-2nd-Level
SP-27	SP-050059	22.101	159	-	Rel-6	F	CR to 22.101 on Removal of Reference to TS 22.121	6.8.0	6.9.0	S1-050215
SP-27	SP-050059	22.101	160	-	Rel-7	A	CR to 22.101 on Removal of Reference to TS 22.121	7.0.0	7.1.0	S1-050252
SP-27	SP-050059	22.105	043	-	Rel-6	F	CR to 22.105 on Removal of Reference to TS 22.121	6.2.0	6.3.0	S1-050216
SP-27	SP-050059	22.127	075	-	Rel-6	F	CR to 22.127 on Removal of Reference to TS 22.121	6.7.0	6.8.0	S1-050217
SP-27	SP-050059	22.140	047	-	Rel-6	F	CR to 22.140 on Removal of Reference to TS 22.121	6.6.0	6.7.0	S1-050218
SP-27	SP-050059	22.141	019	-	Rel-6	F	CR to 22.141 on Removal of Reference to TS 22.121	6.3.0	6.4.0	S1-050219
SP-27	SP-050059	22.228	027	-	Rel-6	F	CR to 22.228 on Removal of Reference to TS 22.121	6.7.0	6.8.0	S1-050220
SP-27	SP-050059	22.228	030	-	Rel-7	A	CR to 22.228 on Removal of Reference to TS 22.121	7.0.0	7.1.0	S1-050253

6.4 Tel-URI related reference update (22.228)

Just recently, IETF published a new RFC3966 “The tel URI for Telephone Numbers” (<http://www.ietf.org/rfc/rfc3966.txt?number=3966>). Since the old references are now obsolete in 22.228, SA1 is proposing to change it.

The CRs to Rel-6 and Rel-7 are provided in document SP-050060 for approval.

Meeting	SA Doc	TS No.	CR No	Rev	Rel	Cat	Subject	Vers Current	Vers New	Doc-2nd-Level
SP-27	SP-050060	22.228	028	-	Rel-6	F	CR to 22.228 on Tel-URI related reference update	6.7.0	6.8.0	S1-050172
SP-27	SP-050060	22.228	029	-	Rel-7	A	CR to 22.228 on Tel-URI related reference update	7.0.0	7.1.0	S1-050173

6.5 Service Requirements for I-WLAN (22.234)

The main thrust of I-WLAN is access to 3GPP PS services, but the requirement is only implicitly stated in sect. 5 “Service principles”. Therefore, an explicit statement under sect. 6 Service Requirements is being proposed to be added to 22.234.

The CRs to Rel-6 and Rel-7 to do this are provided in document SP-050061.

Meeting	SA Doc	TS No.	CR No	Rev	Rel	Cat	Subject	Vers Current	Vers New	Doc-2nd-Level
SP-27	SP-050061	22.234	013	-	Rel-6	F	Service Requirements for I-WLAN	6.2.0	6.3.0	S1-050207
SP-27	SP-050061	22.234	014	-	Rel-7	A	Service Requirements for I-WLAN	7.0.0	7.1.0	S1-050208

6.6 Removal of deferred messaging requirements in IMS Messaging (22.340)

As agreed in SA #26, IMS Deferred Messaging will not be part of Release 6. Therefore, a reference to it is being deleted from the Rel-6 TS.

The CR to do this is provided in document SP-050062 for approval.

Note: Since there is no Rel-7 version of 22.340, then this requirement is being removed from Rel-7 too. If any company does wish to progress this work in Rel-7 then it will be necessary for them to reintroduce these requirements into a Rel-7 of the TS since none currently exists

Meeting	SA Doc	TS No.	CR No	Rev	Rel	Cat	Subject	Vers Current	Vers New	Doc-2nd-Level
SP-27	SP-050062	22.340	002	-	Rel-6	F	CR to 22.340 to remove deferred messaging requirements	6.1.0	6.2.0	S1-050255

7 Change Requests for Rel-7

The following sections contain CRs to release 7.

7.1 Addition of 'Network Control of UE Capabilities' and correction of an error (Rel-7)

There are two CRs to 22.011 Rel-7.

The first relates to Network Control of UE Capabilities. At the TSG SA(#24) meeting a new work item (WI) on 'Selective Disabling UE Capabilities' was approved (SP-040477). The intention is to disable MSs when necessary on criteria to be decided by the operator. The purpose of this CR is to add the requirements to 22.011 and this is done by the introduction of an additional list of Selective MS Capabilities in the MS to indicate disabled services which can not be used in the PLMN code of the network on which the list was received. The MS shall not request services that are indicated as disabled. The Selective MS Capabilities list is stored in the ME and it shall not be deleted at switch off. Therefore, the mobile station maintains the status of specific MS capabilities at switch on.

Additionally, the MS should use the indications given in the Selective MS Capabilities list to inform the user about the availability of the appropriate services, e.g. SMS via PS are not allowed.

The second CR relates to GPRS Terminal GPRS Reselection. TS 22.011 currently only allows reselection attempts when in idle mode for circuit services and does not cover the case for GPRS terminals. This does not align with the Stage 3. These requirements for GPRS Terminals were previously agreed in CR-016 but have subsequently been lost.

The two CRs are provided in document SP-050063 for approval.

Meeting	SA Doc	TS No.	CR No	Rev	Rel	Cat	Subject	Vers Current	Vers New	Doc-2nd-Level
SP-27	SP-050063	22.011	066	-	Rel-7	B	Addition of 'Network Control of UE Capabilities' to TS 22.011	7.0.0	7.1.0	S1-050233
SP-27	SP-050063	22.011	067	-	Rel-7	B	CR to 22.011 Rel-7 to Reinstate CR016 for GPRS Terminal PLMN Reselection	7.0.0	7.1.0	S1-050245

7.2 Support for CAMEL Trunk Originated Trigger Detection Points (22.078)

The purpose of this change to 22.078 is to enable CSE interaction for calls received over a trunk interface at the MSC. This capability has applications in CAMEL-based IN networks to allow (public and private) trunk access to CSE-based services.

The requirements are provided in document SP-050064 for approval.

Meeting	SA Doc	TS No.	CR No	Rev	Rel	Cat	Subject	Vers Current	Vers New	Doc-2nd-Level
SP-27	SP-050064	22.078	182	1	Rel-7	B	Support for CAMEL Trunk Originated Trigger Detection Points	7.2.0	7.3.0	S1-050244

7.3 Addition Service Broker Requirement (22.127)

Service brokering is a term used to encapsulate the functions of service selection, service provisioning, feature or service interaction and service chaining. The OSA APIs provide a suite of APIs that address many of the functional and operational aspects of enabling service delivery through open standardised specifications. However there are no defined mechanisms or semantics that address the full scope of service brokering, in particular selection and provisioning for multi service usage requiring service interaction and service chaining.

The functions of service brokering apply equally to legacy circuit switched environments and next generation IMS, and it is therefore necessary to introduce an OSA requirement for Service brokering that will allow a suitable solution for service brokering consistent with the OSA and broader 3GPP architecture and specifications to be provided.

The CR to introduce this concept is provided in document SP-050065 for approval.

Meeting	SA Doc	TS No.	CR No	Rev	Rel	Cat	Subject	Vers Current	Vers New	Doc-2nd-Level
SP-27	SP-050065	22.127	076	-	Rel-7	B	Rel 7 CR 22.217 Add Service Broker Requirement	6.7.0	6.8.0	S1-050249

7.4 Over-the-air update of I-WLAN operator lists and editorial changes (22.234)

There are two CRs to 22.234 on I-WLAN (Rel-7).

The first CR adds a new requirement addressing the over-the-air update of the Operator Controlled PLMN Selector list for I-WLAN” and the “Operator Controlled WLAN identities list for I-WLAN”.

The second CR addresses the fact that the I-WLAN TS currently needs some editorial change such as clause numbering and deletion of duplicated definition. The TS also not only misses the description of an abbreviation and uses wrong description, but also has an equivocal sentence.

The CRs are provided in document SP-050066 for approval.

Meeting	SA Doc	TS No.	CR No	Rev	Rel	Cat	Subject	Vers Current	Vers New	Doc-2nd-Level
SP-27	SP-050066	22.234	011	-	Rel-7	C	Over-the-air update of I-WLAN operator lists	7.0.0	7.1.0	S1-050206
SP-27	SP-050066	22.234	012	-	Rel-7	F	Editorial change and addition of missed abbreviation to TS 22.234	7.0.0	7.1.0	S1-050209

7.5 Sending of SMS to VGCS group Ids (42.068)

At the last meeting of SA (#27) a CR was received to 42.068 regarding the ability to send

a short message to a group anytime, even if the group call is not established (SP-040738). This was not approved, but rather was sent back to SA1 since there were some comments from the EP RT group within ETSI (SP-040719).

This was discussed in SA1 and resulted in an agreed CR in SA1 which was sent to the EP RT group meeting being held in the same week. A response was received, however, with a further update. There being no time left to broker a solution, it was decided to elaborate a joint solution over email.

This was done and the CR 41.068-008r1 was agreed over the SA1 email approval process. Therefore, the CR is provided in SP-050067 for approval.

Meeting	SA Doc	TS No.	CR No	Rev	Rel	Cat	Subject	Vers Current	Vers New	Doc-2nd-Level
SP-27	SP-050067	42.068	008	1	Rel-7	B	Sending an SMS to a Group	7.1.0	7.2.0	S1-050259

8 New TSs/TRs

SA1 has one TR to present for information and two TRs for approval.

8.1 TR 22.935 (v1.0.0) - Feasibility Study on Location Services (LCS) for Interworking-WLAN

TR 22.935 contains a Feasibility Study on Location Services (LCS) for Interworking-WLAN. The objective of this feasibility study is to outline the technical requirements, scope of work required, and perform a gap analysis to determine whether existing 3GPP specifications can support LCS requirements for 3GPP WLAN interworking. If it is determined that providing for this service is feasible, then this feasibility study will continue forward to encompass future work.

This is the first time it has been seen by SA and so it is presented for information. The only outstanding issue is to identify exact service requirements for LCS in I-WLAN (clause 5).

It is presented for information in document SP-050068.

8.2 TR 22.978 (v2.0.0) on All-IP Network (AIPN) Feasibility Study (Rel-7)

TR 22.978 document studies the feasibility of the progression of the 3GPP system to an All-IP Network (AIPN). More specifically, this document:

- a) Identifies and describes the objectives and user, business and technological drivers for progression of the 3GPP system to an AIPN;
- b) Defines and develops the end-user and network operator aspects of an AIPN;
- c) Identifies the capability expansion required to introduce the AIPN concept into the 3GPP system; and,
- d) Evaluates whether an AIPN should be standardised within 3GPP, and in the case of a positive conclusion identifies the subsequent steps to be taken to achieve this by defining the scope, target, and roadmap for work to be undertaken within Rel-7 and future 3GPP releases.

There are no outstanding or contentious issues.

It is presented in document SP-050069 for approval.

8.3 TR 22.979 (v2.0.0) on Feasibility study on Combined CS Calls and IMS Sessions (Rel-7)

TR 22.979 studies the service requirements associated with a multimedia service combining a CS call with one or more IMS services (or vice versa), while appearing as a single service to both end-users. The feasibility study addresses the high-level requirements and use cases such for combinational service including charging and user experience.

The phase1 and phase2 have been removed from the TR. Some requirements of section 9 have been clarified. SA1's conclusion is that a separate stage1 TS for CSICS should be developed and that it will include the suggested requirements in section 9 of TR22.979. Reference to the new TS should be made in existing specifications where appropriate.

Currently in section 9 there are suggested requirements for adding IMS session to CS speech call and adding CS speech call to IMS session. It remains to clarify whether CS call also include the case of a CS video call.

There are no contentious issues.

The TR is being presented in document SP-050070 for approval.

9 WIs from SA1

9.1 Update to GUP WI

SA1 reports to SA would just not be the same if there were no updates to the GUP WID. And this meeting is no exception. The changes are to section 9 (Impacts), section 10 (Expected output and Timescale), section 11 (WI Rapporteurs), section 13 (Supporting Companies) and to section 14 (Classification of the WI).

It is presented in document SP-050071 for approval.

9.2 Update of AIPN Feasibility Study WID

The All IP Network feasibility WI is also being updated. A related WI is added to the WID and the objectives in section 4 are updated in line with the maturation of the work. In addition section 5 (Service Aspects), section 7 (Charging Aspects), section 8 (Security Aspects), section 10 (Expected output and Timescale), section 13 (Supporting Companies) and section 14 (Classification of the WI) are updated.

The SA1 WI is presented in document SP-050072 for approval.

9.3 Updated WID on Network Protection

As can be seen from the CR to 22.011 described in section 7.1, the work on Network Protection has progressed. In line with this, an update of the WI is being put forward for approval. The changes are to section 9 (Impacts) and section 10 (Expected output and Timescale).

However, it would appear SA2 (S2-050386) also want to do some work on Network Protection to study the impacts of the selective disabling of UE capabilities functionality on the 3GPP system architecture. Whether, this work has an impact on the architecture or not is not an issue for SA1. However, as SA1 has also updated this WID there may need

to be some collaboration to ensure that the output documents from SA1 and SA2 are combined appropriately.

The SA1 WI is presented in document SP-050073 for approval.

9.4 Update of WID for Specification of Combining CS and IMS services & Capability Detection and Exchange mechanism

In section 8.3, TS 22.979 is being presented for approval. This contained the feasibility study and now SA1 would like to move forward with a Stage 1. To this end, an updated WI is being presented. This is an update of the WI approved in SA #26 from SA2 in SP-040926.

The changes are to the objective (section 4), the Expected Output and Time scale (section 10), and the Supporting Companies (section 13). It is expected that the stage 1 will be in 22.279 and the stage 2 in 23.279. This is different to what was expected in SA #26.

The SA1 WI is presented in document SP-050074 for approval.

It would appear that SA2 have a WI in S2-050495, 'Voice call continuity between CS and IMS (incl. I-WLAN)'. From the WI it is not clear if this is related to the work by SA1 on Combining CS and IMS services. However, if this can be determined, then SA should consider combining them.

9.5 New WI on Improvements of VGCS in public networks for parallel use of service

Some requirements for use of VGCS in public networks for communication of public authority officials have already been defined (SP-040304). These enhancements affected the group call itself. However, there is a need for further improvements, not directly concerning the group call but the use of other services in parallel (e.g. SMS to single users during an active group call, use of GPRS in parallel to a VGCS).

The objective of this work item is to create the required change requests to existing VGCS specifications and related specifications to enhance VGCS with the additional capabilities to support other services in parallel.

It is presented in SP-050075 for approval.

9.6 New WI on Rel-7 OSA enhancements

As can be seen from the CR in section 7.3 (SP-050065) SA1 has been considering the evolution of OSA. Therefore, a new work item is being proposed which describes NEW requirement(s) on the Open Service Access to offer opportunities for the creation and delivery of value added services by third parties.

The first identified is service broker function, but it is expected that more will follow.

It is presented in SP-050075 for approval.

9.7 New WI on Review of Network Selection Principles

The current network selection mechanisms in TS22.011 were written originally to encompass only GSM. Some time later they were adjusted to accommodate GPRS network selection. Since then, further mechanisms have been added to address 3G and more recently to incorporate selection of the RAT (Radio Access Technology).

The advent of new types of access technology (e.g. WLAN) and alternative access methods will result in more complex access selection requirements that are not catered for by the existing mechanisms. Also, the changing operator environment will result in a greater choice of new, independent networks (e.g. independent WLAN operators, fixed line operators).

The current network selection mechanisms have also been shown to cause problems under certain operational conditions (e.g. where there is a fault on selected GPRS network).

The purpose of this new work item is to review the network selection mechanisms in TS22.011 and requirements from other work areas, to take account of new methods of access and new operator types and to ensure that the appropriate access is chosen based on the requirements described in the WID.

It is presented in SP-050075 for approval.

10 Other Issues

10.1 Chairmanship of SA1

The chairman of SA1, Michele Zarri, has now completed his first term of office. Therefore, a call for candidates was issued and sent on the SA1 and SA leaders list email exploders, with a view to having a vote at SA1 #27. Since this is his first term of office, Mr Zarri is eligible to stand again for a second term and consequently his nomination was received.

At the last meeting of SA1, a further call for candidates was made. There being no other candidates, Mr Zarri was elected by acclamation by SA1. SA is requested to confirm this decision.

10.2 Vice chairman position at SA1

One of the vice chairmen of SA1, Paul Carpenter (RIM), has now completed his first term of office. Therefore, a call for candidates has been issued and sent on the SA1 and SA leaders list email exploders, with a view to having a vote at SA1 #28. Since this is his first term of office, Mr Carpenter is eligible to stand again for a second term.

10.3 Missing CRs

At SA#25 two CRs were introduced directly to SA. These CRs, (in SP-040698) to 22.078 introduced the concept of Support of User-to-User Information (UUI) in CAMEL. Now due to a number of reasons, these were not introduced into the TS even though they were approved.

Therefore, these CRs will be introduced into version 6.6.0 and 7.2.0.

11 Meetings of SA1

11.1 Meetings since last SA

The following meetings have been held since SA #26.

Meeting	Date	Place	Host
SA1#27	17 – 21 January 2005	South Africa	Vodacom
AIPN SWG	13 – 14 January 2005	London, UK	European friends of 3GPP

11.2 Planned meetings

SA1 has the following meetings scheduled, so far.

SA1 Plenary

Meeting	Date	Place	Host
SA1#28	04 April – 08 April 2005	Hong Kong, China	China Mobile
SA1#29	27 June - 1 July 2005	Pova de Varzim, Portugal	European friends of 3GPP
SA1#30	24 - 28 October 2005	Vancouver, Canada	American friends of 3GPP

SA1 SWGs

None planned.

Annex 1: Documents provided to this Plenary

Tdoc	Title	Source	Agenda	Doc for
SP-050053	Presentation of SA1 to SA #27	SA WG1 Chairman	7.1.1	Information
SP-050054	Status Report of SA1 to SA #27	SA WG1 Chairman	7.1.1	Information
SP-050055	CRs to 21.905 on Introduction of RAN Information Management (Rel-5, Rel-6)	SA1	7.1.3	Approval
SP-050056	CRs to 22.078 on Removal of Announcement Suppression in CAMEL control of IMS (Rel-5, Rel-6, Rel-7)	SA1	7.1.3	Approval
SP-050057	CRs to 22.038 on References corrections (Rel-6, Rel-7)	SA1	7.1.3	Approval
SP-050058	CRs to 22.101 on Clean-up in Core Network Operator Name Indication section (Rel-6, Rel-7)	SA1	7.1.3	Approval
SP-050059	CRs to various TSs on Removal of Reference to TS 22.121 (Rel-6, Rel-7)	SA1	7.1.3	Approval
SP-050060	CRs to 22.228 on Tel-URI related reference update (Rel-6, Rel-7)	SA1	7.1.3	Approval
SP-050061	CRs to 22.234 on Service Requirements for I-WLAN (Rel-6, Rel-7)	SA1	7.1.3	Approval
SP-050062	CR to 22.340 to remove deferred messaging requirements (Rel-6)	SA1	7.1.3	Approval
SP-050063	CRs to 22.011 on Addition of 'Network Control of UE Capabilities' and to correct an error (Rel-7)	SA1	7.1.3	Approval
SP-050064	CR to 22.078 on Support for CAMEL Trunk Originated Trigger Detection Points (Rel-7)	SA1	7.1.3	Approval
SP-050065	CR to 22.217 Add Service Broker Requirement (Rel 7)	SA1	7.1.3	Approval
SP-050066	CRs to 22.234 on Over-the-air update of I-WLAN operator lists and editorial changes (Rel-7)	SA1	7.1.3	Approval
SP-050067	CR to 42.068 on Sending of SMS to VGCS group Ids.	SA1	7.1.3	Approval
SP-050068	TR 22.935 (v1.0.0) - Feasibility Study on Location Services (LCS) for Interworking-WLAN	SA1	7.1.3	Information
SP-050069	TR 22.978 (v2.0.0) on All-IP Network (AIPN) Feasibility Study (Rel-7)	SA1	7.1.3	Approval
SP-050070	TR 22.979 (v2.0.0) on Feasibility study on Combined CS Calls and IMS Sessions (Rel-7)	SA1	7.1.3	Approval
SP-050071	Update to GUP WI	SA1	7.1.3	Approval
SP-050072	Update of AIPN Feasibility Study WID	SA1	7.1.3	Approval
SP-050073	Updated WID on Network Protection	SA1	7.1.3	Approval
SP-050074	Update of WID for Specification of Combining CS and IMS services & Capability Detection and Exchange mechanism	SA1	7.1.3	Approval

SP-050075	New WI on Improvements of VGCS in public networks for parallel use of service	SA1	7.1.3	Approval
SP-050076	New WI on Rel-7 OSA enhancements	SA1	7.1.3	Approval
SP-050077	New WI on Review of Network Selection Principles	SA1	7.1.3	Approval

Annex 2: CRs provided to this Plenary

Meeting	SA Doc	TS No.	CR No	Rev	Rel	Ca t	Subject	Vers. Current	Vers New	Work Item	SA1 Doc
SP-27	SP-050055	21.905	060	-	Rel-5	F	Draft CR 21.905 on Introduction of RAN Information Management	5.8.0	5.9.0	TEI5	S1-050142
SP-27	SP-050055	21.905	061	-	Rel-6	A	Draft CR 21.905 on Introduction of RAN Information Management	6.7.0	6.8.0	TEI5	S1-050143
SP-27	SP-050056	22.078	179	-	Rel-5	F	Removal of Announcement Suppression in CAMEL control of IMS (Rel-5)	5.14.0	5.15.0	CAMEL4	S1-050163
SP-27	SP-050056	22.078	180	-	Rel-6	A	Removal of Announcement Suppression in CAMEL control of IMS (Rel-6)	6.6.0	6.7.0	CAMEL4	S1-050224
SP-27	SP-050056	22.078	181	-	Rel-7	A	Removal of Announcement Suppression in CAMEL control of IMS (Rel-7)	7.2.0	7.3.0	CAMEL4	S1-050225
SP-27	SP-050057	22.038	026	-	Rel-6	F	CR 22.038 Rel-6: References corrections	6.3.0	6.4.0	TEI6	S1-050246
SP-27	SP-050057	22.038	027	-	Rel-7	A	CR 22.038 Rel-7: References corrections	7.2.0	7.3.0	TEI-7	S1-050247
SP-27	SP-050058	22.101	157	-	Rel-6	F	Clean-up in Core Network Operator Name Indication section (22.101)	6.8.0	6.9.0	NTShar	S1-050160
SP-27	SP-050058	22.101	158	-	Rel-7	A	Clean-up in Core Network Operator Name Indication section (22.101)	7.0.0	7.1.0	NTShar	S1-050161
SP-27	SP-050059	22.101	159	-	Rel-6	F	CR to 22.101 on Removal of Reference to TS 22.121	6.8.0	6.9.0	TEI6	S1-050215
SP-27	SP-050059	22.101	160	-	Rel-7	A	CR to 22.101 on Removal of Reference to TS 22.121	7.0.0	7.1.0	TEI7	S1-050252
SP-27	SP-050059	22.105	043	-	Rel-6	F	CR to 22.105 on Removal of Reference to TS 22.121	6.2.0	6.3.0	TEI6	S1-050216
SP-27	SP-050059	22.127	075	-	Rel-6	F	CR to 22.127 on Removal of Reference to TS 22.121	6.7.0	6.8.0	TEI6	S1-050217
SP-27	SP-050059	22.140	047	-	Rel-6	F	CR to 22.140 on Removal of Reference to TS 22.121	6.6.0	6.7.0	TEI6	S1-050218
SP-27	SP-050059	22.141	019	-	Rel-6	F	CR to 22.141 on Removal of Reference to TS 22.121	6.3.0	6.4.0	TEI	S1-050219
SP-27	SP-050059	22.228	027	-	Rel-6	F	CR to 22.228 on Removal of Reference to TS 22.121	6.7.0	6.8.0	TEI6	S1-050220
SP-27	SP-050059	22.228	030	-	Rel-7	A	CR to 22.228 on Removal of Reference to TS 22.121	7.0.0	7.1.0	TEI7	S1-050253
SP-27	SP-050060	22.228	028	-	Rel-6	F	CR to 22.228 on Tel-URI related reference update	6.7.0	6.8.0	IMS2	S1-050172
SP-27	SP-050060	22.228	029	-	Rel-7	A	CR to 22.228 on Tel-URI related reference update	7.0.0	7.1.0	IMS2	S1-050173
SP-27	SP-050061	22.234	013	-	Rel-6	F	Service Requirements for I-WLAN	6.2.0	6.3.0	WLAN-CR	S1-050207
SP-27	SP-050061	22.234	014	-	Rel-7	A	Service Requirements for I-WLAN	7.0.0	7.1.0	WLAN-SC	S1-050208
SP-27	SP-050062	22.340	002	-	Rel-6	F	CR to 22.340 to remove deferred	6.1.0	6.2.0	IMSM-	S1-050255

							messaging requirements			TS	
SP-27	SP-050063	22.011	066	-	Rel-7	B	Addition of 'Network Control of UE Capabilities' to TS 22.011	7.0.0	7.1.0	Network Protection	S1-050233
SP-27	SP-050063	22.011	067	-	Rel-7	B	CR to 22.011 Rel-7 to Reinstate CR016 for GPRS Terminal PLMN Reselection	7.0.0	7.1.0		S1-050245
SP-27	SP-050064	22.078	182	1	Rel-7	B	Support for CAMEL Trunk Originated Trigger Detection Points	7.2.0	7.3.0	TTCAMEL	S1-050244
SP-27	SP-050065	22.127	076	-	Rel-7	B	Rel 7 CR 22.217 Add Service Broker Requirement	6.7.0	6.8.0	OSA4	S1-050249
SP-27	SP-050066	22.234	011	-	Rel-7	C	Over-the-air update of I-WLAN operator lists	7.0.0	7.1.0	WLAN-SC	S1-050206
SP-27	SP-050066	22.234	012	-	Rel-7	F	Editorial change and addition of missed abbreviation to TS 22.234	7.0.0	7.1.0	WLAN-SC	S1-050209
SP-27	SP-050067	42.068	008	-	Rel-7	B	CR to 42.068 on Sending of SMS to VGCS group Ids.	7.1.0	7.2.0	EGCS	S1-050259

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 Description				6.3.1	7.5.0					
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-			5.1.1	6.1.1	7.0.1					

	emption Service (eMLPP); Stage 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 Routing (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 Subscriber (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	6.7.0			
22.001	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)						3.2.0	4.3.0	5.0.0	6.0.0			
22.002	Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)						3.6.0	4.2.0	5.0.0	6.0.0			
22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)						3.3.0	4.3.0	5.2.0	6.0.0			
22.004	General on supplementary services						3.3.0	4.3.0	5.1.0	6.0.0			
22.011	Service accessibility						3.8.0	4.8.0	5.1.0	6.4.0	7.0.0		
22.016	International Mobile Equipment Identities (IMEI)						3.3.0	4.2.1	5.0.0	6.0.0			
22.024	Description of Charge Advice Information (CAI)						3.0.1	4.0.0	5.0.0	6.0.0			

22.030	Man-Machine Interface (MMI) of the User Equipment (UE)						3.4.0	4.1.0	5.0.0	6.0.0	7.0.0
22.034	High Speed Circuit Switched Data (HSCSD); Stage 1						3.2.1	4.1.0	5.0.0	6.0.0	
22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1						3.4.0	4.3.0	5.4.0	6.3.0	7.2.0
22.041	Operator Determined Call Barring						3.3.1	4.1.0	5.0.0	6.2.0	
22.042	Network Identity and Time Zone (NITZ) service description; Stage 1						3.0.1	4.2.1	5.1.0	6.0.0	
22.057	Mobile Execution Environment (MExE) service description; Stage 1						3.0.1	4.1.0	5.4.0	6.0.0	
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						3.5.0	4.6.0	5.4.0	6.7.0	7.1.0
22.072	Call Deflection (CD); Stage 1						3.0.1	4.0.0	5.0.0	6.0.0	
22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1						3.9.0	4.5.0	5.14.0	6.6.0	7.2.0
22.079	Support of optimal routeing; Stage 1						3.0.1	4.0.0	5.0.0	6.0.0	
22.081	Line Identification supplementary services; Stage 1						3.2.0	4.1.0	5.0.0	6.0.0	
22.082	Call Forwarding (CF) Supplementary Services; Stage 1						3.0.2	4.2.0	5.0.0	6.0.0	
22.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1						3.0.1	4.1.0	5.0.0	6.0.0	
22.084	MultiParty (MPTY) supplementary service; Stage 1						3.0.1	4.1.0	5.0.0	6.0.0	
22.085	Closed User Group (CUG) supplementary services; Stage 1						3.1.0	4.1.0	5.0.0	6.0.0	
22.086	Advice of Charge (AoC) supplementary services; Stage 1						3.1.0	4.0.0	5.0.0	6.0.0	
22.087	User-to-user signalling (UUS); Stage 1						3.1.0	4.0.0	5.0.0	6.0.0	
22.088	Call Barring (CB) supplementary services; Stage 1						3.0.2	4.1.0	5.0.0	6.0.0	
22.090	Unstructured Supplementary Service Data (USSD); Stage 1						3.1.0	4.0.0	5.0.0	6.0.0	
22.091	Explicit Call Transfer (ECT) supplementary service; Stage 1						3.1.0	4.0.0	5.0.0	6.0.0	
22.093	Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1						3.0.1	4.0.0	5.0.0	6.0.0	
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	6.0.0	
22.097	Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1						3.2.0	4.1.0	5.0.0	6.0.0	

22.100	UMTS Phase 1							3.7.0				
22.101	Service aspects; Service principles							3.17.0	4.10.0	5.13.0	6.8.0	7.0.0
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	6.4.0	
22.121	Service aspects; The Virtual Home Environment (VHE); 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	6.7.0	
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	6.0.0	
22.140	Multimedia Messaging Service (MMS); Stage 1							3.1.0	4.3.0	5.4.0	6.6.0	
22.141	Presence service; Stage 1										6.3.0	
22.146	Multimedia Broadcast/Multicast Service (MBMS); Stage 1										6.6.0	
22.174	Push service; Stage 1										6.2.0	
22.226	Global text telephony (GTT); Stage 1: Service description									5.2.0	6.0.0	
22.228	Service requirements for the Internet Protocol (IP) multimedia core network subsystem (IMS); Stage 1									5.6.0	6.7.0	7.0.0
22.233	Transparent end-to-end packet-switched streamng service; Stage 1									5.0.0	6.3.0	
22.234	Requirements on 3GPP system to Wireless Local Area Network (WLAN) interworking										6.2.0	7.0.0
22.240	Service requirements for 3GPP Generic User Profile (GUP); Stage 1										6.5.0	
22.242	Digital Rights Management (DRM); Stage 1										6.3.0	
22.243	Speech recognition framework for automated voice services; Stage 1										6.4.0	
22.246	Multimedia Broadcast/Multicast Service (MBMS) user services; Stage 1										6.2.0	
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										6.0.0	
22.934	Feasibility study on 3GPP system to Wireles Local Area Network (WLAN) interworking										6.2.0	
22.936	Behaviour of multi-system terminals											0.2.0
22.940	IP Multimedia Subsystem (IMS) messaging; Stage 1										6.0.0	
22.944	Report on service requirements for UE functionality split									5.1.0	6.0.0	
22.949	Study on a generalized privacy capability										6.0.0	
22.950	Priority service feasibility study										6.4.0	
22.951	Service aspects and requirements for network sharing										6.1.0	

22.952	Priority service guide									6.2.0	
22.953	Multimedia priority service feasibility study										0.3.0
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	
22.978	All-IP network (AIPN) feasibility study										1.0.0
22.979	Feasibility study on combined Circuit Switched (CS) calls and IP Multimedia Subsystem (IMS) sessions										1.0.0
42.043	Support of Localised Service Area (SoLSA); Service description; Stage 1							4.0.0	5.0.0	6.0.0	
42.056	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1							4.0.0	5.0.0	6.0.0	
42.068	Voice Group Call Service (VGCS); Stage 1							4.1.0	5.0.1	6.0.0	7.1.0
42.069	Voice Broadcast Service (VBS); Stage 1							4.1.0	5.0.1	6.0.0	