

TSGS#11(01)0033



SA1 Status Report to SA#11

SP-010034

Kevin Holley, BT Wireless
SA1 Chairman



A GLOBAL IN

SA1 Leadership

- **Fond farewell to Alan Cox**
- **New Chairman: Kevin Holley (BT)**
- **Secretary: Michael Clayton (MCC)**
- **Vice-chairs: Tommi Kokkola (Nokia),
Randolph Wohlert (SBC)**

Meetings Held

- **SA1 Plenary**
 - **S1#11: 6-9 February 2001**
 - **Cape Town, South Africa**
 - **Hosted by Vodacom**

Roaming Restrictions For GPRS

- **It was identified that problems can be created where a roamed-to network does not have GPRS roaming - location update cannot currently be rejected for GPRS only.**
- **Solution agreed:**
 - **new reject cause “GPRS services not allowed in this PLMN”**
 - **New PLMN list to memorise networks having sent this cause, until handset powered off**

CRs for GPRS Roaming Restrictions

SA Meet	SA Doc.	Spec	CR	Rev	Phase	Cat	Subject	Vers	New Vers	SA1 Doc
SP-11	SP-010036	02.11	A012		R97	F	CR to 02.11 on Roaming restrictions for GPRS (Release '97)	6.0.0	6.1.0	S1-010225
SP-11	SP-010036	02.11	A013		R98	A	CR to 02.11 on Roaming restrictions for GPRS (Release '98)	7.0.1	7.1.0	S1-010130
SP-11	SP-010036	22.011	020		R99	A	CR to 22.011 on Roaming restrictions for GPRS (Release '99)	3.3.0	3.4.0	S1-010131
SP-11	SP-010036	22.011	021		Rel-4	A	CR to 02.11 on Roaming restrictions for GPRS (Release4)	4.2.0	4.3.0	S1-010245

Reference to GSM 10.71

- This reference in GSM 02.71 is removed due to 10.71 being an internal, non-published document

SA Meet	SA Doc.	Spec	CR	Rev	Phase	Cat	Subject	Vers	New Vers	SA1 Doc
SP-11	SP-010037	02.71	A003		R98	F	Deletion of reference to GSM 10.71	7.2.0	7.3.0	S1-010088

Circuit Switched Bearer Clarification

- **CN3 proposed to restructure 22.002 to avoid ambiguities and conflicts with CN3 specifications; SA1 endorsed the proposal**

Meeting-1 st -Level	Doc-1st-Level	Spec	CR	Rev	Phase	Cat	Subject	Version-Current	Version-New	Doc-2nd-Level
Email	SP-010039	22.002	009		R99	C	CR to 22.002 clarification on Circuit Switched Bearer Services in UMTS	3.5.0	3.6.0	S1-010252
Email	SP-010039	22.002	010		Rel-4	C	CR to 22.002 clarification on Circuit Switched Bearer Services in UMTS	4.0.0	4.1.0	S1-010253
Email	SP-010040	22.002	011		Rel-4	D	Restructuring of 22.002	4.0.0	4.1.0	S1-010254
Email	SP-010040	22.002	012		Rel-4	D	Restructuring of tables in section 3.1	4.0.0	4.1.0	S1-010266

Operator Determined Zonal Barring

- SA1 identified two different methods of defining zones for operator determined barring of zones
- In communication with GSMA SERG, SA1 agreed to base zones on the international dialling plan

Meeting-1st-Level	Doc-1st-Level	Spec	CR	Rev	Phase	Cat	Subject	Version-Current	Version-New	Doc-2nd-Level
SP-11	SP-010042	22.041	007		R99	F	CR on Operator Determined Barring – Zonal Barring to 3GPP TSG SA WG1	3.1.0	3.2.0	S1-010173
SP-11	SP-010042	22.041	008		Rel-4	A	CR on Operator Determined Barring – Zonal Barring to 3GPP TSG SA WG1	4.0.0	4.1.0	S1-010174

CAMEL Issues

- Complex editorial CR presented at SA#10 could not be completely implemented, and shadow CR for Rel.4 needed, also alignment needed between stages 1 and 2

Meeting-1st-Level	Doc-1st-Level	Spec	CR	Rev	Phase	Cat	Subject	Version-Current	Version-New	Doc-2nd-Level
SP-11	SP-010045	22.078	075	2	R99	F	Remedy for incorrect implementation of CR 22.078-062r5	3.6.0	3.7.0	S1-010104
SP-11	SP-010045	22.078	079	3	Rel-4	F	Alignment with stage 2 & 3. and some editorial corrections	4.1.0	4.2.0	S1-010105
SP-11	SP-010045	22.078	080	1	Rel-5	A	Alignment with stage 2 & 3. and some editorial corrections	5.1.0	5.2.0	S1-010106

Support of different CAMEL phases

- SA1 has decided a policy that networks implementing CAMEL phase 4 shall also implement the functionality associated with previous CAMEL phases, and phase 4 network signalling shall support interworking with phases 2 and 3.

Meeting-1st-Level	Doc-1st-Level	Spec	CR	Rev	Phase	Cat	Subject	Version-Current	Version-New	Doc-2nd-Level
SP-11	SP-010046	22.078	076	1	R99	F	Support of previous phases of CAMEL	3.6.0	3.7.0	S1-010107
SP-11	SP-010046	22.078	077	2	Rel-4	A	Support of previous phases of CAMEL	4.1.0	4.2.0	S1-010108
SP-11	SP-010046	22.078	078	3	Rel-5	F	Support of previous phases of CAMEL	5.1.0	5.2.0	S1-010242

Missing CAMEL - Barring Interaction

- The definition of the interaction between CAMEL and CB/ODB for MO SMS is missing

Meeting-1st-Level	Doc-1st-Level	Spec	CR	Rev	Phase	Cat	Subject	Version-Current	Version-New	Doc-2nd-Level
SP-11	SP-010047	22.078	092	2	R99	F	Interaction between CAMEL control of MO-SMS and Call Barring & ODB	3.6.0	3.7.0	S1-010116
SP-11	SP-010047	22.078	093	2	Rel-4	A	Interaction between CAMEL control of MO-SMS and Call Barring & ODB	4.1.0	4.2.0	S1-010117
SP-11	SP-010047	22.078	094	1	Rel-5	A	Interaction between CAMEL control of MO-/MT-SMS and Call Barring & ODB	5.1.0	5.2.0	S1-010118

Incorrect text for CAMEL - BOIC interaction

- It has been discovered that the text for this interaction omitted to say that the dialled number may be modified by CAMEL

Meeti na- 1st- Level	Doc-1st- Level	Spec	CR	Rev	Phase	Cat	Subject	Versi on- Curre nt	Versi on- New	Doc-2nd- Level
SP-11	SP-010048	22.078	095		R99	F	Correction of interaction between CAMEL and BOIC	3.6.0	3.7.0	S1-010113
SP-11	SP-010048	22.078	096		Rel-4	A	Correction of interaction between CAMEL and BOIC	4.1.0	4.2.0	S1-010114
SP-11	SP-010048	22.078	097		Rel-5	A	Correction of interaction between CAMEL and BOIC	5.1.0	5.2.0	S1-010115

CAMEL Phase 3 Congestion Control

- It was identified that the stage 1 was out of step with stage 2 for CAMEL Phase 3 Congestion Control

Meeti na- 1st- Level	Doc-1st- Level	Spec	CR	Rev	Phase	Cat	Subject	Versi on- Curre nt	Versi on- New	Doc-2nd- Level
SP-11	SP-010050	22.078	085	3	R99	F	Corrections of conaestion control procedure	3.6.0	3.7.0	S1-010188
SP-11	SP-010050	22.078	086	3	Rel-4	A	Corrections of conaestion control procedure	4.1.0	4.2.0	S1-010189
SP-11	SP-010050	22.078	089	2	Rel-5	B	Corrections of conaestion control procedure	5.1.0	5.2.0	S1-010190

More CAMEL Issues

- **Clarification of Call Party Handling operations**
- **GPRS triggers for Mobility Management Events**
- **CSE/Call Barring Interaction**
- **Align with SMS-CSI Stage 2 terminology**
- **Allow request for charging info for MT calls**
- **Enhanced CSE capability for Subscribed Dialed Services**
- **Location information on Terminating Call Trigger**

More CAMEL CRs

Meeti na- 1st- Level	Doc-1st- Level	Spec	CR	Rev	Phase	Cat	Subject	Versi on- Curre nt	Versi on- New	Doc-2nd- Level
SP-11	SP-010051	22.078	081	2	Rel-5	C	Clarification on Call Party Handling requirements	5.1.0	5.2.0	S1-010123
SP-11	SP-010051	22.078	082		Rel-5	B	Enhancements to mobility management reporting	5.1.0	5.2.0	S1-010119
SP-11	SP-010051	22.078	083	2	Rel-5	F	Corrections of Call Barring interaction for CSE created call / new party	5.1.0	5.2.0	S1-010121
SP-11	SP-010051	22.078	084	1	Rel-5	D	Changing of naming for SMS-CSI	5.1.0	5.2.0	S1-010120
SP-11	SP-010051	22.078	087	2	Rel-5	B	Transport of Charging Information from serving PLMN to the CSE	5.1.0	5.2.0	S1-010125
SP-11	SP-010051	22.078	088	1	Rel-5	C	Enhanced CSE capability for Subscribed Dialed Services	5.1.0	5.2.0	S1-010122
SP-11	SP-010051	22.078	090	2	Rel-5	B	Provide Location Information in case a terminating call is alerted	5.1.0	5.2.0	S1-010124

IMS Emergency Calls

- SA1 has agreed:
 - The IMS shall support Emergency “voice” Calls with a USIM
 - Release 5 shall enable compliance with regulatory requirements
- Subsequent LS from GSM NA
- LS from SA1 on this matter (SP-010035)
- Proposed that TSG-SA tries to conclude on this

Meeting-1st-Level	Doc-1st-Level	Spec	CR	Rev	Phase	Cat	Subject	Version-Current	Version-New	Doc-2nd-Level
SP-11	SP-010057	22.101	070		Rel-5	C	CR to 22.101 on Clarifications on IMS emergency call support	5.1.0	5.2.0	S1-010250

Other IMS Issues

- **Addition of Event-based Charging**
- **Interworking between IMS and CS-based networks**
- **Definition of Basic Voice Calls**
 - **"A BVC is used for calls between the IMS and CS/PSTN and can convey only a speech component. The definition of the BVC pertains only to the boundary between the IMS and the CS/PSTN. If more than one IMS party is involved in an communication with a PSTN party/parties, the communication between the IMS parties shall not be adversely impacted by the presence of a PSTN party. Supplementary service elements identified for support on the boundary interface are CLIR and Call Forwarding."**

Other IMS CRs

Meeti na- 1st- Level	Doc-1st- Level	Spec	CR	Rev	Phase	Cat	Subject	Versi on- Curre nt	Versi on- New	Doc-2nd- Level
SP-11	SP-010058	22.115	005		Rel-5	B	Introduction of charging for IPMultimedia and Event Based Charging	3.3.0	5.0.0	S1-010192

Meeti na- 1st- Level	Doc-1st- Level	Spec	CR	Rev	Phase	Cat	Subject	Versi on- Curre nt	Versi on- New	Doc-2nd- Level
SP-11	SP-010063	22.228	001		Rel-5	C	IMS to PSTN/ISDN interworking for basic voice calls only	5.0.0	5.1.0	S1-010246

VHE Changes

- SA1 decided that a clean-up was needed for Release 4
- Addition of User Profile Requirement

Meeting-1st-Level	Doc-1st-Level	Spec	CR	Rev	Phase	Cat	Subject	Version-Current	Version-New	Doc-2nd-Level
SP-11	SP-010059	22.121	018		Rel-4	F	Changes to TS 22.121 Release 4 - Update of 097 submitted to S1 Plenary	4.0.0	4.1.0	S1-010085
SP-11	SP-010059	22.121	019		Rel-5	B	The Virtual Home Environment (Release 5) Addition of User profile requirement and changes for clarification	4.0.0	5.0.0	S1-010169

OSA Changes

- Added mechanism for OSA to create PS or CS calls
- Added specification for user interaction for CS CC

Meeting-1st-Level	Doc-1st-Level	Spec	CR	Rev	Phase	Cat	Subject	Version-Current	Version-New	Doc-2nd-Level
SP-11	SP-010060	22.127	001		Rel-4	F	CR to 22.127 V 4.0.0 on CS Call Control (Release 4)	4.0.0	4.1.0	S1-010140
SP-11	SP-010060	22.127	002		Rel-4	F	CR to 22.127 V 4.0.0 on User interaction(Release 4)	4.0.0	4.1.0	S1-010141

ODB For Packet Oriented Services

- Removal of requirement for Rel. 99
- Alignment with SA2 material for Rel. 4

Meeting-1st-Level	Doc-1st-Level	Spec	CR	Rev	Phase	Cat	Subject	Version-Current	Version-New	Doc-2nd-Level
SP-11	SP-010041	22.041	005		R99	F	Remove ODB for Packet Oriented Services from Release 99	3.2.0	3.3.0	S1-010036
SP-11	SP-010041	22.041	006		Rel-4	F	Corrections of the ODB categories for Packet Oriented Services	4.0.0	4.1.0	S1-010019

ODB and CAMEL

- Specify that there is no interaction between ODB and CAMEL for PS services
- Also for Release 99

Meeting-1st-Level	Doc-1st-Level	Spec	CR	Rev	Phase	Cat	Subject	Version-Current	Version-New	Doc-2nd-Level
SP-11	SP-010049	22.078	098		R99	F	New subclause is added regarding to the CAMEL interactions with ODB for the Packet Oriented Services	3.6.0	3.7.0	S1-010203
SP-11	SP-010049	22.078	099		Rel-4	A	New subclause is added regarding to the CAMEL interactions with ODB for the Packet Oriented Services	4.1.0	4.2.0	S1-010204
SP-11	SP-010049	22.078	100		Rel-5	A	New subclause is added regarding to the CAMEL interactions with ODB for the Packet Oriented Services	5.1.0	5.2.0	S1-010205

LCS

- **Removed the “future” requirement for LCS QoS Negotiation**
- **Clarification to text on events triggering LCS request**
- **Editorial issues**
- **Maximum number of LCS clients**
 - **SA1 has specified a minimum of 20 clients, no requirement exists for a maximum**

Meeting-1st-Level	Doc-1st-Level	Spec	CR	Rev	Phase	Cat	Subject	Version-Current	Version-New	Doc-2nd-Level
SP-11	SP-010044	22.071	024		Rel-4	C	Quality level negotiation	4.2.0	4.3.0	S1-010235
SP-11	SP-010044	22.071	025		Rel-4	C	Location determination in call or PDP context activation and release	4.2.0	4.3.0	S1-010239
SP-11	SP-010044	22.071	026		Rel-4	C	OSA support for LCS	4.2.0	4.3.0	S1-010237
SP-11	SP-010044	22.071	027		Rel-4	D	Editorial Cleanup	4.2.0	4.3.0	S1-010218
Email	SP-010044	22.071	028		Rel-4	C	Number of LCS Clients	4.2.0	4.3.0	S1-010269

CPHS

- **CFU indicator taken from USIM**
- **Alternative Sources for PLMN Name**
- **Storage of MWI and Mailbox number**

Meeti na- 1st- Level	Doc-1st- Level	Spec	CR	Rev	Phase	Cat	Subject	Versi on- Curre nt	Versi on- New	Doc-2nd- Level
SP-11	SP-010052	22.082	002		Rel-4	B	Notification of active CFU	3.0.1	4.0.0	S1-010073
SP-11	SP-010054	22.101	064		Rel-4	B	PLMN name indication	4.2.0	4.3.0	S1-010207
SP-11	SP-010054	22.101	065		Rel-5	A	PLMN name indication	5.1.0	5.2.0	S1-010208
SP-11	SP-010055	22.101	066		Rel-4	B	CR to 22.101 on Introduction of CPHS features	4.2.0	4.3.0	S1-010178
SP-11	SP-010055	22.101	067		Rel-5	A	CR to 22.101 on Introduction of CPHS features	5.1.0	5.2.0	S1-010179

MMS

- Editorial Cleanup
- Streaming Limited to downlink
- Forwarding MMS without downloading
- MMS requirements not implementable in Release 4

Meeting-1st-Level	Doc-1st-Level	Spec	CR	Rev	Phase	Cat	Subject	Version-Current	Version-New	Doc-2nd-Level
Email	SP-010062	22.140	004		Rel-4	C	Alignment of Stage 1 MMS to Stage 2 MMS	4.0.1	4.1.0	S1-010265
SP-11	SP-010062	22.140	005		Rel-4	C	Support for Streaming in MMS	4.0.1	4.1.0	S1-010016
SP-11	SP-010062	22.140	006		Rel-4	F	MM Forwarding	4.0.1	4.1.0	S1-010014
SP-11	SP-010062	22.140	007		Rel-4	B	New features in MMS R'4	4.0.1	4.1.0	S1-010015

Other Items

- **Vocabulary**
 - SA1 has received some requests to update vocabulary
- **MExE Service Discovery**
 - Clarified that MExE supports this via surfing
- **Interactions between applications (WAP/MExE)**
 - Added specification for prioritisation
 - Further work expected for Rel. 5
- **Display of Service Provider Name**
 - Clarification to which name is displayed when
- **Editorial Update to 22.129**
 - References were not correct

CRs for Other Items

Meeting-1st-Level	Doc-1st-Level	Spec	CR	Rev	Phase	Cat	Subject	Version-Current	Version-New	Doc-2nd-Level
SP-11	SP-010038	21.905	006		Rel-4	D	Editorial changes and new definitions	4.1.0	4.2.0	S1-010233
SP-11	SP-010038	21.905	007		Rel-4	B	Inclusion of commonly used definition contained in 23.122	4.1.0	4.2.0	S1-010234
SP-11	SP-010043	22.057	006		Rel-5	B	MeXE service discoverv	5.0.0	5.1.0	S1-010202
SP-11	SP-010053	22.101	062		Rel-4	A	Handling of interactions between applications requiring the access to UE resources	4.2.0	4.3.0	S1-010071
SP-11	SP-010053	22.101	063		Rel-5	A	Handling of interactions between applications requiring the access to UE resources	5.1.0	5.2.0	S1-010072
SP-11	SP-010056	22.101	068		Rel-4	B	Display of service provider name in the UE	4.2.0	4.3.0	S1-010209
SP-11	SP-010056	22.101	069		Rel-5	A	Display of service provider name in the UE	5.1.0	5.2.0	S1-010210
SP-11	SP-010061	22.129	003		Rel-4	D	Editorial CR to correct references to releases	4.1.0	4.2.0	S1-010251

New Work Items (SP-010064)

- **Service level discussions on roaming between UMTS/GSM and ANSI-41 based networks**
- **Presence Capability - ability for a user to make herself visible or not visible to parties of her choice**

Release 99 Specifications in Rel.4

- **Closure of Release 4 requires a decision on which Release 99 Specifications should be included in Release 4**
- **SA1's proposal is in SP-010065**

Future Meetings

SA1#12 7-11 May 2001

Helsinki, Finland, hosted by Sonera

SA1#13 9-13 July 2001

Lake Tahoe, USA, hosted by SBC

SA1#14 5-9 November 2001

Japan, hosted by NTT DoCoMo