Technical Specification Group Services and System Aspects *TSGS#9(00)0432*
Meeting #9, Hawaii, USA, 25-28 September 2000

Source:	**SA5**
Title:	**Status report from SA WG5 (Telecom Management) to SA#9**
Document for:	**Information and Decision**
Agenda Item:	**7.5.1**

Contents

1 General Overview of Progress

The TSG-SA WG5 plenary met twice since SA#8. Albert YUHAN (VoiceStream Wireless), SA5 Chairman, chaired both meetings, assisted by Michael TRUSS (Motorola), SA5 Vice-Chairman. The Secretary was Adrian ZOICAS from the MCC. Thomas TOVINGER (Ericsson), CM Rapporteur, convened an ad-hoc meeting on Configuration Management (SA5 #13-bis).

Meetings held since SA#8

Meeting	Date	Place	Host	Delegates	Full report
SA5 #13	24 - 28 July 2000	Washington D.C., USA	3GPP North American friends	36	S5-000400
SA5 #13-bis CM Ad Hoc	7 - 8 September 2000	Sophia Antipolis, France	ETSI	15	S5-000412
SA5 #14	11 - 15 September 2000	Milan, Italy	Siemens ICN SpA	43	S5-000424

SA5 has been focussing on completing Release 99 together with addressing feedback from other working groups. There was also a review of the work required for Release 2000 to which end SA5 has produced SP-000440.

2 Summary of Inputs to SA

The list of documents submitted is attached in Annex C, and the details are summarised here for clarity.

2.1 Specifications/Reports

2.1.1 Configuration Management (32.106-5)

One specification (TS) is submitted to SA **for Information** as follows:

SP-000436	32.106-5 (v1.0.0) Configuration Management; Part 5: Basic Configuration Management IRP: Information Model version 1 (Release 1999)

Two parts (6 & 7 on Basic Configuration Management IRP CORBA/CMIP solution set version 1:1) are still missing from multi-part 3G TS 32.106 (8 parts). SA5 plans to have all eight (8) parts under SA change control by the end of year 2000.

2.1.2 Charging & Billing; GSM call and event data for the CS domain (32.105)

No progress since January 2000 is reported on:

TS	32.105	Charging & Billing; GSM call and event data for the Circuit Switched (CS) domain	R1999	0.0.3	NENNER, Karl Heinz

One of the reasons is the discontinuity of Nokia and Motorola experts' participation.

2.1.3 Subscriber and Equipment trace (12.08)

There is still NO resource commitment from the SA5 membership to do the 3G-equivalent of GSM 12.08.

2.2 Change Requests

SA5 in this period has generated a number of Change Requests (CRs) that reflect a series of clarifications and corrections, especially to ensure a coherent Release 99.

There are no change requests to Release 2000 specifications.

There are no change requests to GSM specifications (12-series) transferred to 3GPP.

All CRs provided to this SA plenary are listed in Annex B, and the details are summarised here for clarity.

2.2.1   GSM call and event data for the PS domain (32.015)

TS	32.015	Telecommunications Management; Charging and billing; GSM call and event data for the Packet Switched (PS) domain	R1999	3.2.0	NENNER, Karl Heinz

Three (3) CRs are submitted to SA#9 **for Approval**:

Doc-1st-Level	Doc-2nd-Level	Spec	Phase	CR	Cat	Subject	Version-Current	Version-New
SP-000433	S5-000354	32.015	R99	010	F	Clarifications to chapter 7	3.2.0	3.3.0
SP-000433	S5-000355	32.015	R99	011	F	Clarifications and corrections	3.2.0	3.3.0
SP-000433	S5-000356	32.015	R99	012	F	Clarification for QoS parameter	3.2.0	3.3.0

2.2.2   3G Performance Management (32.104)

TS	32.104	3G Performance Management	R1999	3.2.0	NENNER, Karl Heinz

One (1) CR is submitted to SA#9 **for Approval**:

Doc-1st-Level	Doc-2nd-Level	Spec	Phase	CR	Cat	Subject	Version-Current	Version-New
SP-000434	S5-000399	32.104	R99	007	F	Clarification of the table oriented structure of the file format, and addition of ASN.1 example, according to annex D	3.2.0	3.3.0

2.2.3   3G Configuration Management (32.106)

TS	32.106-3	Telecommunication Management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA solution set version 1:1	R1999	3.1.0	TOVINGER, Thomas

One (1) CR is submitted to SA#9 **for Approval:**

Doc-1st-Level	Doc-2nd-Level	Spec	Phase	CR	Cat	Subject	Version-Current	Version-New
SP-000435	S5-000414	32.106-3	R99	001	D	Add pragma statement to Notification IRP IDL	3.1.0	3.2.0

2.2.4   3G Fault Management (32.111)

2.2.4.1   3G FM; Part 1: 3G FM requirements

TS	32.111-1	Telecommunication Management; Fault Management; Part 1: 3G fault management requirements	R1999	3.1.0	JURE, Patrick

Two (2) CRs are submitted to SA#9 **for Approval:**

Doc-1st-Level	Doc-2nd-Level	Spec	Phase	CR	Cat	Subject	Version-Current	Version-New
SP-000437	S5-000407	32.111-1	R99	001	F	Clarification On Mediation Function Algorithms	3.1.0	3.2.0
SP-000437	S5-000406	32.111-1	R99	002	F	Clarification On Clear Alarm Suppression	3.1.0	3.2.0

2.2.4.2 3G FM; Part 2: Alarm IRP: Information Service

TS	32.111-2	Telecommunication Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	R1999	3.1.1	JURE, Patrick

Two (2) CRs are submitted to SA#9 <mark>for Approval</mark>:

Doc-1st-Level	Doc-2nd-Level	Spec	Phase	CR	Cat	Subject	Version-Current	Version-New
SP-000438	S5-000404	32.111-2	R99	001	F	Correction of qualifier for SystemDN	3.1.1	3.2.0
SP-000438	S5-000409	32.111-2	R99	002	F	Addition of a missing constraint in acknowledgeAlarm operation	3.1.1	3.2.0

2.2.4.3 3G FM; Part 3: Alarm IRP: CORBA SS

TS	32.111-3	Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	R1999	3.1.0	JURE, Patrick

Four (4) CRs are submitted to SA#9 <mark>for Approval</mark>:

Doc-1st-Level	Doc-2nd-Level	Spec	Phase	CR	Cat	Subject	Version-Current	Version-New
SP-000439	S5-000401	32.111-3	R99	001	D	Update TS 32.111-3 Iterator	3.1.0	3.2.0
SP-000439	S5-000402	32.111-3	R99	002	D	Clarification On Filterable Body Fields	3.1.0	3.2.0
SP-000439	S5-000403	32.111-3	R99	003	F	Correct push_structured_event of push_structured_events	3.1.0	3.2.0
SP-000439	S5-000408	32.111-3	R99	004	F	Remove the use of interface to encapsulate const strings	3.1.0	3.2.0

2.3 Release 2000 (R4/R5)

2.3.1 R4/R5 proposed Work-plan for SA5

SP-000440	Proposed Work-plan for SA5

is submitted to SA#9 <mark>for Information</mark> and to IGC for implementation.

2.3.2 New work items

SP-000441	Work Item Descriptions for Release 2000 (R4/R5)

are submitted to SA#**9 for Approval** as follows:

Work Item Title	New Specifications	Affected Existing Specifications	Document containing the WI description
Principles, high level Requirements and Architecture	-	32.101, 32.102	S5-000385
Subscription Management	32.140	22.057 (S1) 23.057 (T2) 32.101, 32.106	S5-000387
UTRAN Operations and Maintenance procedures	"S5 TR 01"	32.101, 32.102, 32.104, 32.106, 32.111	S5-000389
3G Fault Management	32.11x	32.111	S5-000419

3 Administrative and Organizational issues

Mr Patrick JURE, nominated by Lucent, was appointed to be the new Fault Management Group Rapporteur to be effective after SA5 #13 (Washington, D.C., USA) meeting.

Dr Thaddeus KOBYLARZ, nominated by AT&T Wireless Services, was appointed to be the new Charging Group Rapporteur to be effective after SA5 #15 (Anchorage, USA) meeting.

4 Inter-Organizational issues

SA5 in this period has handled inter-organizational issues as described in the subsections of this section.

4.1 3GPP Internal Work Coordination

SA5 communicated with S3, S2, CN4 on MAP security key distribution and administration issues and agreed that SA5 will work on key distribution and administration management work task to specify the Q-interface aspect between the Operations/Management Centre and the KAC.

SA5 communicated with T2 on the planned new WI proposals for the Service Operation Management and the User Equipment Management to investigate the suitability of the MExE as the management information transportation infrastructure between the UE and the Operations/Management Centre.

4.2 Interactions with external Organisations

SA5 reviewed the draft management specification of 3GPP2 - which enumerates every modification to 3GPP's 32-series Technical Specifications - to constitute 3GPP2's specifications for CDMA2000 systems management.

During the SA5#13 meeting, SA5 AR (Architecture/Requirements) Group had a joint meeting with TMF Mobil Market Centre Group and exchanged information about how 3GPP and TMF can co-operate. It was agreed that TMF MMC will identify management requirements and feed them to SA5 and conduct prototyping work for 3GPP management standardisation. In SA5 #14 meeting, SA5 reviewed TMF MMC's input to SA5 on 3G management that contained "Terminal Management", and fed SA5's comments back to TMF MMC.

SA5 communicated with ITU-T SG4 on CORBA framework standardisation, which ITU-T is about to finalise their CORBA framework Recommendation very shortly. In the communication, SA5 conveyed to ITU-T 3GPP wireless industry's special needs for including the coarse-grain approach in the CORBA framework.

SA5 communicated with T1M1 on CORBA framework to maximally harmonise ANSI and 3GPP versions of the CORBA frameworks. SA5 and T1M1 agreed that a technical discussion will be undertaken in October 2000 at a SWG meeting of T1M1 to find a mutually agreeable solution.

5 Future SA5 Meetings

The future WG meetings of SA5 are scheduled as shown in the table below:

SA5 meeting calendar

Meeting	Date	Place	Host
SA5 #15	16 - 20 October 2000	Girdwood, Alaska, USA	T1P1
SA5 #16	27 November – 1 December 2000	Tokyo, Japan	NTT DoCoMo
SA5 #17	22 – 26 January 2001	Seattle (tbc)	AT&T Wireless
SA5 #18	26 February – 2 March 2001		
SA5 #19	2 - 6 April 2001		
SA5 #20	28 May - 1 June 2001		

Annex A: Documents provided to this Plenary

NUMBER	TITLE	AGENDA ITEM	Document For
SP-000431	Status report from SA WG5 to SA#9 (presentation)	7.5.1	Information
SP-000432	Status report from SA WG5 to SA#9 (Word)	7.5.1	Information
SP-000433	CRs to Telecommunications Management; Charging and billing; GSM call and event data for the Packet Switched (PS) domain (32.015)	7.5.3	Decision
SP-000434	CRs to 3G Performance Management (32.104)	7.5.3	Decision
SP-000435	CRs to Telecommunication Management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA Solution Set version 1:1 (32.106-3)	7.5.3	Decision
SP-000436	32.106-5 (v1.0.0) Configuration Management; Part 5: Basic Configuration Management IRP: Information Model version 1 (Release 1999)	7.5.3	Information
SP-000437	CRs to Telecommunications Management; Fault Management; Part 1: 3G fault management requirements (32.111-1)	7.5.3	Decision
SP-000438	CRs to Telecommunications Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service (32.111-2)	7.5.3	Decision
SP-000439	CRs to Telecommunications Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1 (32.111-3)	7.5.3	Decision
SP-000440	Proposed Work-plan for SA5	7.5.2 7.6 (IGC)	Information
SP-000441	Work Item Descriptions for Release 2000 (R4/R5)	7.5.3	Decision

Annex B: CRs provided to this Plenary

Doc-1st-Level	Status-1st-Level	Spec	CR	Rev	Phase	Subject	Cat	Version-Current	Version-New	Doc-2nd-Level
SP-000433		32.015	010		R99	Clarifications to chapter 7	F	3.2.0	3.3.0	S5-000354
SP-000433		32.015	011		R99	Clarifications and corrections	F	3.2.0	3.3.0	S5-000355
SP-000433		32.015	012		R99	Clarification for QoS parameter	F	3.2.0	3.3.0	S5-000356
SP-000434		32.104	007		R99	Clarification of the table oriented structure of the file format, and addition of ASN.1 example, according to annex D	F	3.2.0	3.3.0	S5-000399
SP-000435		32.106-3	001		R99	Add pragma statement to Notification IRP IDL	D	3.1.0	3.2.0	S5-000414
SP-000437		32.111-1	001		R99	Clarification On Mediation Function Algorithms	F	3.1.0	3.2.0	S5-000407
SP-000437		32.111-1	002		R99	Clarification On Clear Alarm Suppression	F	3.1.0	3.2.0	S5-000406
SP-000438		32.111-2	001		R99	Correction of qualifier for SystemDN	F	3.1.1	3.2.0	S5-000404
SP-000438		32.111-2	002		R99	Addition of a missing constraint in acknowledgeAlarm operation	F	3.1.1	3.2.0	S5-000409
SP-000439		32.111-3	001		R99	Update TS 32.111-3 Iterator	D	3.1.0	3.2.0	S5-000401
SP-000439		32.111-3	002		R99	Clarification On Filterable Body Fields	D	3.1.0	3.2.0	S5-000402
SP-000439		32.111-3	003		R99	Correct push_structured_event of push_structured_events	F	3.1.0	3.2.0	S5-000403
SP-000439		32.111-3	004		R99	Remove the use of interface to encapsulate const strings	F	3.1.0	3.2.0	S5-000408

Annex C: TSs and TRs under SA5 responsibility

Type	Number	Title	Rel	current vers	frozen	WG prime	rapporteur
TS	32.005	Telecommunications Management; Charging and billing; GSM call and event data for the Circuit Switched (CS) domain	R1999	3.1.0	Jun 00	S5	NENNER, Karl Heinz
TS	32.015	Telecommunications Management; Charging and billing; GSM call and event data for the Packet Switched (PS) domain	R1999	3.2.0	Jun 00	S5	NENNER, Karl Heinz
TS	32.101	3G Telecom Management principles and high level requirements	R1999	3.2.0	Mar 00	S5	TRUSS, Michael
TS	32.102	3G Telecom Management Architecture	R1999	3.2.0	Mar 00	S5	BERGGREN, Tommy
TS	32.104	3G Performance Management	R1999	3.2.0	Mar 00	S5	NENNER, Karl Heinz
TS	32.105	Charging & Billing; GSM call and event data for the Circuit Switched (CS) domain	R1999	0.0.3	Sep 00	S5	NENNER, Karl Heinz
TS	32.106-1	Telecommunication Management; Configuration Management; Part 1: 3G configuration management; Concept and requirements	R1999	3.1.0	Mar 00	S5	TOVINGER, Thomas
TS	32.106-2	Telecommunication Management; Configuration Management; Part 2: Notification Integration Reference Point; Information Service version 1	R1999	3.1.0	Mar 00	S5	TOVINGER, Thomas
TS	32.106-3	Telecommunication Management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA solution set version 1:1	R1999	3.1.0	Mar 00	S5	TOVINGER, Thomas
TS	32.106-4	Telecommunication Management; Configuration Management; Part 4: Notification Integration Reference Point: CMIP Solution Set Version 1:1	R1999	3.1.0	Mar 00	S5	TOVINGER, Thomas
TS	32.106-5	Telecommunication Management; Configuration Management; Part 5: Basic Configuration Management IRP information model (including NRM) version 1	R1999	1.0.0	Dec 00	S5	TOVINGER, Thomas
TS	32.106-6	Telecommunication Management; Configuration Management; Part 6: Basic Configuration Management IRP CORBA solution set version 1:1	R1999	0.0.0	Dec 00	S5	TOVINGER, Thomas
TS	32.106-7	Telecommunication Management; Configuration Management; Part 7: Basic Configuration Management IRP CMIP solution set version 1:1	R1999	0.0.0	Dec 00	S5	TOVINGER, Thomas
TS	32.106-8	Telecommunication Management; Configuration Management; Part 8: Name convention for Managed Objects	R1999	3.1.0	Mar 00	S5	TOVINGER, Thomas
TS	32.111-1	Telecommunication Management; Fault Management; Part 1: 3G fault management requirements	R1999	3.1.0	Jun 00	S5	JURE, Patrick
TS	32.111-2	Telecommunication Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	R1999	3.1.1	Jun 00	S5	JURE, Patrick
TS	32.111-3	Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	R1999	3.1.0	Jun 00	S5	JURE, Patrick
TS	32.111-4	Telecommunication Management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set	R1999	3.1.1	Jun 00	S5	JURE, Patrick
TS	32.140	3G Service Management Requirements & Framework	R2000	0.1.0		S5	CARYER, Geoffrey

Number	Title	former WG	WG prime	WG other	rapporteur
12.00	Objectives and Structure of GSM Public Land Mobile Network (PLMN) Management	SMG06	S5	-	..,
12.01	Common Aspects of Public Land Mobile Network (PLMN) Management	SMG06 / SMG03	S5	NP	..,
12.02	Subscriber, Mobile Equipment (ME) and Services Data Administration	SMG06 / SMG01	S5	S1	..,
12.03	Security Management	SMG06 / SMG01 / SMG03	S5	S1 / NP	..,
12.04	Performance Management and Measurements for a GSM Public Land Mobile Network (PLMN)	SMG06 / SMG01 / SMG03	S5	S1 / NP	..,
12.05	Subscriber Related Call and Event Data	SMG06 / SMG01	S5	S1	sjöblom, kai
12.06	Network Configuration Management and Administration	SMG06 / SMG03	S5	NP	..,
12.07	Public Land Mobile Network (PLMN) Quality of Service	SMG06 / SMG01 / SMG03	-	-	..,
12.08	Subscriber and Equipment trace	SMG06 / SMG03	S5	NP	sjöblom, kai
12.11	Fault management of the Base Station System (BSS)	SMG06 / SMG01 / SMG02	S5	S1 / GP	..,
12.15	General Packet Radio Service (GPRS); GPRS Charging	S5	S5	-	heaton, graham
12.20	Base Station System (BSS) Management Information	SMG06 / SMG03	S5	NP	..,
12.21	Network Management (NM) Procedures and Messages on the A-bis Interface	SMG06 / SMG02	S5	GP	yuhan, albert
12.22	Interworking of GSM Network Management (NM) Procedures and Messages at the Base Station Controller (BSC)	SMG06	S5	-	yuhan, albert
12.30	ETSI Object Identifier Tree; Mobile Domain O&M	SMG06	S5	-	..,
12.71	Location Services (LCS); Location services management	S5	S5	-	doshi, sonia