
Source: SA WG5
Title: Status report from SA WG5 (Telecom Management) to SA#10
Document for: Information and Decision
Agenda Item: 7.5.1

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1 General Overview of Progress

The TSG-SA WG5 plenary met twice since SA#9. Albert YUHAN (VoiceStream Wireless), SA5 Chairman, chaired both meetings, assisted by Michael TRUSS (Motorola Ltd.), SA5 Vice-Chairman. The Secretary was Adrian ZOICAS from MCC. Thomas TOVINGER (Ericsson), CM Rapporteur, and Patrick JURÉ (Lucent Technologies), FM Rapporteur, convened an ad-hoc meeting on Configuration Management / Fault Management (SA5 #15-bis).

Meetings held since SA#9

Meeting	Date	Place	Host	Delegates	Full report
SA5 #15	16 - 20 Oct 2000	Girdwood, Alaska, USA	3GPP North American friends	37	S5-000555
SA5 #15bis (CM/FM ad-hoc)	7 - 9 Nov 2000	Orlando, FLORIDA, USA	Siemens ICN, Boca Raton, FL	14	S5-000541 S5-000550
SA5 #16	27 Nov - 1 Dec 2000	Tokyo, Japan	NTT DoCoMo	[44]	S5-000564

SA5 has been focussing on completing Release 99 (mainly CM 32.106 Parts 5, 6 and 7 - Configuration Management IRP: Information Model and CMIP/CORBA Solution Sets, CM/FM alignment, PS domain charging, etc.) together with addressing feedback from other working groups (MExE, QoS, Subscription Management, etc.).

SA5 is proud to report that after SA#10 (December 2000) all its Release 1999 specifications would be SA approved and under Change Control

There was also a very detailed review of the work required for Release 4/5 to which end SA5 has produced SP-000524 (3 Feature-level, 6 Building Blocks work items).

2 Summary of Inputs to SA

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

2.1 Specifications/Reports

2.1.1 Configuration Management (32.106 Parts 5, 6 and 7) – Release 99

SP-000513	32.106-5 (v2.0.0) Configuration Management; Part 5: Basic Configuration Management IRP: Information Model Version 1 (Release 1999)
SP-000514	32.106-6 (v1.0.0) Configuration Management; Part 6: Basic Configuration Management IRP CORBA Solution Set Version 1:1
SP-000515	32.106-7 (v1.0.0) Configuration Management; Part 7: Basic Configuration Management IRP CMIP Solution Set Version 1:1

Part 5 was submitted at the last SA meeting (SA#9) for information whereas Parts 6 and 7 are now presented for the first time to TAG SA. All three (3) parts are now submitted to SA **for Approval** and placement under Change Control.

If approved, SA5 has achieved its plan, re-iterated at SA#9, for having all eight (8) parts of 32.106 under SA change control by the end of the year 2000.

2.1.2 3G Charging and Accounting (32.105) – Release 99

TS	32.105	3G Charging and Accounting Stage 2 description – to be withdrawn from R99 and moved to Releases 4/5	R1999	0.0.4	KOBYLARZ, Thaddeus
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As **no progress** has been made since January 2000, SA is invited to approve the **withdrawal from Release 99** of 32.105.

However, the existing technical substance contained in the present draft will be used in Release 4/5 in an evolved 32.105 with enlarged Scope and changed Title as proposed in SP-000524 (two Building Blocks on Charging S5-000575/6).

2.1.3 Subscriber and Equipment trace (12.08) – Release 99

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

As a consequence, SA5 wishes to **inform** SA#10 that neither a Release 99 specification is available nor a work item is proposed for Release 4/5.

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 WG SA5.

All the 26 Release 99 CRs provided to this SA plenary are listed in Annex B, and the details are summarised here for clarity.

2.2.1 3G call and event data for the CS domain (32.005)

TS	32.005	Telecommunications Management; Charging and billing; 3G call and event data for the Circuit Switched (CS) domain	R1999	3.2.0	KOBYLARZ, Thaddeus
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Three (3) CRs are submitted to SA#10 **for Approval**:

Doc-1st-Level	Doc-2nd-Level	Spec	CR	Rev	Phase	Cat	Subject	Version-Current	Version-New	Work item
SP-000523	S5-000535	32.005	002		R99	F	Support 3G CS by adding "system type" parameter to CDRs (same as in 3G PS)	3.2.0	3.3.0	OAM-CH
SP-000523	S5-000536	32.005	003		R99	F	Correction of parameter Location Area and Cell	3.2.0	3.3.0	OAM-CH
SP-000523	S5-000537	32.005	004		R99	F	Correction of parameter CallEventRecord	3.2.0	3.3.0	OAM-CH

2.2.2 3G call and event data for the PS domain (32.015)

TS	32.015	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain	R1999	3.3.0	KOBYLARZ, Thaddeus
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Seven (7) CRs are submitted to SA#10 **for Approval**:

Doc-1st-Level	Doc-2nd-Level	Spec	CR	Rev	Phase	Cat	Subject	Version-Current	Version-New	Work item
SP-000516	S5-000476	32.015	013		R99	F	Alignment of Triggers for S-CDR closure	3.3.0	3.4.0	OAM-CH
SP-000516	S5-000528	32.015	014		R99	F	Ambiguities in Packet Transfer Command IE & Data Record Packet IE	3.3.0	3.4.0	OAM-CH
SP-000516	S5-000529	32.015	015		R99	F	Inconsistency of Charging Characteristic size	3.3.0	3.4.0	OAM-CH
SP-000516	S5-000530	32.015	016		R99	F	Alignment of ASN.1 for QoS attributes	3.3.0	3.4.0	OAM-CH
SP-000516	S5-000531	32.015	017		R99	F	Correction of parameter CallEventRecord	3.3.0	3.4.0	OAM-CH
SP-000516	S5-000533	32.015	018		R99	F	Correction of parameter Location Area and Cell	3.3.0	3.4.0	OAM-CH
SP-000516	S5-000534	32.015	019		R99	F	Correction of ASN.1 errors	3.3.0	3.4.0	OAM-CH

2.2.3 Principles and high level requirements (32.101)

TS	32.101	3G Telecom Management principles and high level requirements	R1999	3.2.0	TRUSS, Michael
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One (1) CR is submitted to SA#10 **for Approval**:

Doc-1st-Level	Doc-2nd-Level	Spec	CR	Rev	Phase	Cat	Subject	Version-Current	Version-New	Work item
SP-000522	S5-000524	32.101	006		R99	F	Update references to allow both CORBA Versions 2.1 and 2.3	3.2.0	3.3.0	OAM-AR

2.2.4 3G Performance Management (32.104)

TS	32.104	3G Performance Management	R1999	3.3.0	NENNER, Karl Heinz
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One (1) CR is submitted to SA#10 **for Approval**:

Doc-1st-Level	Doc-2nd-Level	Spec	CR	Rev	Phase	Cat	Subject	Version-Current	Version-New	Work item
SP-000517	S5-000479	32.104	008		R99	F	Clarification of measurement definition template	3.3.0	3.4.0	OAM-PM

2.2.5 3G Configuration Management (32.106)

2.2.5.1 Notification IRP; Information Service (32.106-2)

TS	32.106-2	Telecommunication Management; Configuration Management; Part 2: Notification Integration Reference Point; Information Service Version 1	R1999	3.1.0	Edwin TSE, Ericsson
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Two (2) CRs are submitted to SA#10 **for Approval**:

Doc-1st-Level	Doc-2nd-Level	Spec	CR	Rev	Phase	Cat	Subject	Version-Current	Version-New	Work item
SP-000518	S5-000484	32.106-2	001		R99	F	Consistent description of Event types and Extended event types	3.1.0	3.2.0	OAM-CM
SP-000518	S5-000542	32.106-2	002		R99	F	Correction of parameter inconsistency in operation unsubscribe	3.1.0	3.2.0	OAM-CM

2.2.5.2 Notification IRP; CORBA Solution Set (32.106-3)

TS	32.106-3	Telecommunication Management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA Solution Set Version 1:1	R1999	3.1.0	Randall SCHEER, Lucent Technologies
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Four (4) CRs are submitted to SA#10 **for Approval**:

Doc-1st-Level	Doc-2nd-Level	Spec	CR	Rev	Phase	Cat	Subject	Version-Current	Version-New	Work item
SP-000519	S5-000486	32.106-3	001	1	R99	F	Add pragma statement to Notification IRP IDL	3.1.0	3.2.0	OAM-CM
SP-000519	S5-000482	32.106-3	002		R99	F	Correction of IDL Errors	3.1.0	3.2.0	OAM-CM
SP-000519	S5-000483	32.106-3	003		R99	F	Spelling Errors in the CORBA IDL	3.1.0	3.2.0	OAM-CM
SP-000519	S5-000485	32.106-3	004		R99	F	Ensure consistency with IDL exception	3.1.0	3.2.0	OAM-CM

2.2.6 3G Fault Management (32.111)

2.2.6.1 Alarm IRP: Information Service (32.111-2)

TS	32.111-2	Telecommunication Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	R1999	3.2.0	JURE, Patrick
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Five (5) CRs are submitted to SA#10 **for Approval**:

Doc-1st-Level	Doc-2nd-Level	Spec	CR	Rev	Phase	Cat	Subject	Version-Current	Version-New	Work item
SP-000520	S5-000551	32.111-2	003		R99	F	Incorrect modifiable attributes	3.2.0	3.3.0	OAM-FM
SP-000520	S5-000553	32.111-2	004		R99	F	Add acknowledgement information to getAlarmList result	3.2.0	3.3.0	OAM-FM
SP-000520	S5-000473	32.111-2	005		R99	F	Identification of valid Event Types and Extended Event Types within Notifications	3.2.0	3.3.0	OAM-FM
SP-000520	S5-000556	32.111-2	006		R99	F	A cleared Alarm shall be given perceived severity "Cleared" and nothing else	3.2.0	3.3.0	OAM-FM
SP-000520	S5-000557	32.111-2	007		R99	F	Inconsistent behaviour for cleared not yet acknowledged alarms	3.2.0	3.3.0	OAM-FM

2.2.6.2 Alarm IRP: CORBA Solution Set (32.111-3)

TS	32.111-3	Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA Solution Set Version 1:1	R1999	3.2.0	JURE, Patrick
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Three (3) CRs are submitted to SA#10 **for Approval**:

Doc-1st-Level	Doc-2nd-Level	Spec	CR	Rev	Phase	Cat	Subject	Version-Current	Version-New	Work item
SP-000521	S5-000472	32.111-3	001	1	R99	F	Allow "Structured Event Filterable Body Fields" to be absent if parameters are not used	3.2.0	3.3.0	OAM-FM
SP-000521	S5-000471	32.111-3	002	1	R99	F	Specific behaviour of the Iterator	3.2.0	3.3.0	OAM-FM
SP-000521	S5-000558	32.111-3	003		R99	F	Inconsistent qualifiers	3.2.0	3.3.0	OAM-FM

2.3 Work-Plan & Work Items for Release 4/5

SP-000524	SA5 proposed Work-Plan & Work Items for Release 4/5
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Feature-type and Building Block Work Items for Release 4/5 are submitted to SA#10 **for Approval** as follows:

Tdoc	Work Item Title (Type)	Status
S5-000568	Subscription Management (Feature: SM)	Provisionally approved at SA#9
S5-000569	UTRAN Operations and Maintenance procedures (Feature: UOAM)	Provisionally approved at SA#9
S5-000570	Charging and OAM&P (Operations, Administration, Maintenance & Provisioning) (Feature: OAM)	New at SA#10
S5-000571	Principles, high level Requirements and Architecture (Building Block: OAM-AR)	Provisionally approved at SA#9
S5-000572	Configuration Management (Building Block: OAM-CM)	New at SA#10
S5-000573	Fault Management (Building Block: OAM-FM)	Provisionally approved at SA#9
S5-000574	Performance Management (Building Block: OAM-PM)	New at SA#10
S5-000575	Charging Management (Building Block: OAM-CH)	New at SA#10
S5-000576	Charging Management for all-IP UMTS networks (Building Block: OAM-CH-IP)	New at SA#10

3 Administrative and Organizational issues

- Nothing to report

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 Co-ordination

- SA1 on the new WI proposal for the Subscription Management
- T2 on MExE (for UE/Terminal Management) and on the Multimedia Service & Billing
- S3 on the transfer of all Security-related work items currently under SA5's responsibility to SA3
- Transfer of GSM12.21/2 from SA5 to GERAN3

Considering that now GERAN3 has the responsibility of working on GERAN-specific OAM and also that GSM12.21 and GSM12.22 specify the A-bis interface and inter-working, there is a good reason that those two specifications may better be transferred from SA5 to GERAN3.

SA is invited to endorse/approve the transfer of GSM12.21/2 to GERAN3.

4.2 Interactions with external Organisations

- TMF Mobile Market Centre Group (Terminal Management).
- ITU-T SG4 on CORBA framework standardisation (convey the wireless industry's special needs).

The content of this ITU-T activity was provided for information to the parent TSG (SP-000525) and to the ITU-T Co-ordination Group of TSG CN.

- T1M1 to harmonise ANSI and 3GPP versions of the CORBA frameworks (need for 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 #17	18 – 26 Jan 2001	Sophia-Antipolis, France	ETSI
SA5 #18	26 Feb – 2 Mar 2001	Paris, France	Nortel Networks
SA5 #19	2 - 6 Apr 2001	Los Angeles, USA (tbc)	3GPP North American friends
SA5 #20	28 May - 1 Jun 2001	Oslo, Norway (tbc)	Telenor
SA5 #21	16 – 20 July 2001	Chicago	Lucent
SA5 #22	3 – 7 Sep 2001		
SA5 #23	15 -19 Oct 2001		
SA5 #24	26 – 30 Nov 2001		

Annex A: Documents provided to this Plenary

NUMBER	TITLE	AGENDA ITEM	Document For
SP-000511	Status report from SA WG5 to SA#10 (presentation) – Source: Chairman	7.5.1	Information
SP-000512	Status report from SA WG5 to SA#10 (Word) – Source: Secretary	7.5.1	Information
SP-000513	32.106-5 (v2.0.0) Configuration Management; Part 5: Basic Configuration Management IRP: Information Model Version 1 (Release 1999)	7.5.3	Decision
SP-000514	32.106-6 (v1.0.0) Configuration Management; Part 6: Basic Configuration Management IRP CORBA Solution Set Version 1:1	7.5.3	Decision
SP-000515	32.106-7 (v1.0.0) Configuration Management; Part 7: Basic Configuration Management IRP CMIP Solution Set Version 1:1	7.5.3	Decision
SP-000516	CRs to Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain (32.015)	7.5.3	Decision
SP-000517	CRs to 3G Performance Management (32.104)	7.5.3	Decision
SP-000518	CRs to Telecommunication Management; Configuration Management; Part 2: Notification Integration Reference Point; Information Service version 1 (32.106-2)	7.5.3	Decision
SP-000519	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-000520	CRs to Telecommunications Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service (32.111-2)	7.5.3	Decision
SP-000521	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-000522	CRs to 3G Telecom Management principles and high level requirements (32.101)	7.5.3	Decision
SP-000523	CRs to Telecommunications Management; Charging and billing; 3G call and event data for the Circuit Switched (CS) domain (32.005)	7.5.3	Decision
SP-000524	SA5 proposed Work-Plan & Work Items for Release 4/5	7.5.3	Decision
SP-000525	ITU-T SG 4 issues (WP 3/4 TMN wireless work, WP 4/4 TMN CORBA framework) – Source: Chairman	7.5.3	Decision

Annex B: CRs to be provided to SA#10

B.1 SA WG5 Release 99 CRs at SA#10

Doc-1st-Level	Doc-2nd-Level	Spec	CR	Rev	Phase	Cat	Subject	Version-Current	Version-New	Work item
SP-000523	S5-000535	32.005	002		R99	F	Support 3G CS by adding "system type" parameter to CDRs (same as in 3G PS)	3.2.0	3.3.0	OAM-CH
SP-000523	S5-000536	32.005	003		R99	F	Correction of parameter Location Area and Cell	3.2.0	3.3.0	OAM-CH
SP-000523	S5-000537	32.005	004		R99	F	Correction of parameter CallEventRecord	3.2.0	3.3.0	OAM-CH
SP-000516	S5-000476	32.015	013		R99	F	Alignment of Triggers for S-CDR closure	3.3.0	3.4.0	OAM-CH
SP-000516	S5-000528	32.015	014		R99	F	Ambiguities in Packet Transfer Command IE & Data Record Packet IE	3.3.0	3.4.0	OAM-CH
SP-000516	S5-000529	32.015	015		R99	F	Inconsistency of Charging Characteristic size	3.3.0	3.4.0	OAM-CH
SP-000516	S5-000530	32.015	016		R99	F	Alignment of ASN.1 for QoS attributes	3.3.0	3.4.0	OAM-CH
SP-000516	S5-000531	32.015	017		R99	F	Correction of parameter CallEventRecord	3.3.0	3.4.0	OAM-CH
SP-000516	S5-000533	32.015	018		R99	F	Correction of parameter Location Area and Cell	3.3.0	3.4.0	OAM-CH
SP-000516	S5-000534	32.015	019		R99	F	Correction of ASN.1 errors	3.3.0	3.4.0	OAM-CH
SP-000522	S5-000524	32.101	006		R99	F	Update references to allow both CORBA Versions 2.1 and 2.3	3.2.0	3.3.0	OAM-AR
SP-000517	S5-000479	32.104	008		R99	F	Clarification of measurement definition template	3.3.0	3.4.0	OAM-PM
SP-000518	S5-000484	32.106-2	001		R99	F	Consistent description of Event types and Extended event types	3.1.0	3.2.0	OAM-CM
SP-000518	S5-000542	32.106-2	002		R99	F	Correction of parameter inconsistency in operation unsubscribe	3.1.0	3.2.0	OAM-CM
SP-000519	S5-000486	32.106-3	001	1	R99	F	Add pragma statement to Notification IRP IDL	3.1.0	3.2.0	OAM-CM
SP-000519	S5-000482	32.106-3	002		R99	F	Correction of IDL Errors	3.1.0	3.2.0	OAM-CM
SP-000519	S5-000483	32.106-3	003		R99	F	Spelling Errors in the CORBA IDL	3.1.0	3.2.0	OAM-CM
SP-000519	S5-000485	32.106-3	004		R99	F	Ensure consistency with IDL exception	3.1.0	3.2.0	OAM-CM
SP-000520	S5-000551	32.111-2	003		R99	F	Incorrect modifiable attributes	3.2.0	3.3.0	OAM-FM
SP-000520	S5-000553	32.111-2	004		R99	F	Add acknowledgement information to getAlarmList result	3.2.0	3.3.0	OAM-FM
SP-000520	S5-000473	32.111-2	005		R99	F	Identification of valid Event Types and Extended Event Types within Notifications	3.2.0	3.3.0	OAM-FM
SP-000520	S5-000556	32.111-2	006		R99	F	A cleared Alarm shall be given perceived severity "Cleared" and nothing else	3.2.0	3.3.0	OAM-FM
SP-000520	S5-000557	32.111-2	007		R99	F	Inconsistent behaviour for cleared not yet acknowledged alarms	3.2.0	3.3.0	OAM-FM
SP-000521	S5-000472	32.111-3	001	1	R99	F	Allow "Structured Event Filterable Body Fields" to be absent if parameters are not used	3.2.0	3.3.0	OAM-FM
SP-000521	S5-000471	32.111-3	002	1	R99	F	Specific behaviour of the Iterator	3.2.0	3.3.0	OAM-FM
SP-000521	S5-000558	32.111-3	003		R99	F	Inconsistent qualifiers	3.2.0	3.3.0	OAM-FM

Annex C: Specifications and Reports under SA5 responsibility

C.1: SA WG5 Specifications and Reports Release 99

Type	Number	Title	Rel	current vers	Frozen (note)	WG prime	Rapporteur
TS	32.005	Telecommunications Management; Charging and billing; 3G call and event data for the Circuit Switched (CS) domain	R1999	3.2.0	Jun 00	S5	KOBYLARZ, Thaddeus
TS	32.015	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain	R1999	3.3.0	Jun 00	S5	KOBYLARZ, Thaddeus
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	3.3.0	Mar 00	S5	NENNER, Karl Heinz
TS	32.105	3G Charging and Accounting Stage 2 description - to be withdrawn from R99 and moved to Releases 4/5	R1999	0.0.4	Mar 01	S5	KOBYLARZ, Thaddeus
TS	32.106-1	Telecommunication Management; Configuration Management; Part 1: 3G configuration management; Concept and requirements	R1999	3.1.0	Mar 00	S5	Trevor PIRT, Motorola
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	Edwin TSE, Ericsson
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	Randall SCHEER, Lucent Technologies
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	Di ZHOU, Siemens
TS	32.106-5	Telecommunication Management; Configuration Management; Part 5: Basic Configuration Management IRP: Information Model Version 1	R1999	2.0.0	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	1.0.0	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	1.0.0	Dec 00	S5	Di ZHOU, Siemens
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	3.2.0	Jun 00	S5	JURE, Patrick
TS	32.111-2	Telecommunication Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	R1999	3.2.0	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	3.2.0	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

NOTE: **"Freezing" of specifications** (from 21.900-340 "3GPP working methods")

A TSG may decide that a specification is sufficiently stable that it may be considered "frozen". That is, only CRs for essential corrections of errors shall be considered.
(At the same time, a new major version may be developed for inclusion of new features.)

C.2: SA WG5 Specifications and Reports Release 4/5

Type	Number	Title	Rel	current vers	Frozen (note)	WG prime	Rapporteur
TS	32.140	3G Service Management Requirements & Framework	Rel4	0.1.0	Mar 01	S5	CARYER, Geoffrey
TR	32.800	Management Level Procedures and Interaction with UTRAN	Rel4	0.1.0	Mar 01	S5	BODEN, Bert

C.3: SA WG5 Specifications and Reports inherited from SMG6

Number	Title	former WG	WG prime	WG other	rporteur
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