

**Title:** Report of the 3GPP SA WG5 (Telecom Management) meeting #13  
hosted by T1P1 in Washington D.C., USA, 24-28 July 2000

**Source:** Secretary: [Adrian.ZOICAS@etsi.fr](mailto:Adrian.ZOICAS@etsi.fr) (3GPP Mobile Competence Centre)

## Contents

1	Call to order .....	3
2	Participant registration .....	3
3	Agenda approval.....	3
4	Document registration and attribution.....	3
5	Meetings and activities reports .....	3
5.1	Last SA5 meeting report.....	3
5.2	TSG-SA meeting report.....	4
5.3	PCG/OP meetings report .....	4
5.3.1	GSM evolution now part of 3rd Generation Partnership .....	4
5.3.2	IPR declaration .....	5
5.3.3	Delay for availability of TSG/WG meeting reports .....	5
5.4	Liaison Rapporteurs' reports .....	5
5.4.1	Co-operation with 3GPP2 on 3G OAM&P Specification Development.....	5
5.4.2	VoP Net Mgt Collaboration Principles and Minutes .....	5
6	Discussions and decisions on inter-organisational issues .....	6
6.1	Contribution to ITU-T Q19/4 meeting .....	6
7	Discussions and decisions on administration issues .....	6
7.1	Work plan.....	6
7.2	Other administrative issues.....	6
8	Cross-work item technical discussions.....	7
9	Work item Rapporteur Group reports and actions .....	7
9.1	S5.AR/PR Architecture/Principles (32.101, 32.102, 32.140, S5 TR01).....	7
9.1.1	Management Level Procedures and Interaction with UTRAN (for the Iub interface) .....	7
9.1.2	User Equipment (UE) Management (32.102) .....	7
9.1.3	Service Management (32.140) - Work Item proposal.....	7
9.1.3.1	"Business Model" for 32 140.....	8
9.1.3.2	"Requirements" for 32 140 .....	8
9.1.4	Report on Joint 3GPP S5.AR/PR and TMF MMC session.....	8
9.1.4.1	Terminal Management .....	8
9.1.4.2	Service Quality Management Measurements .....	8
9.1.4.3	Common Configuration Management.....	9
9.1.5	Release 2000 work plan on 32.101, 32.102 .....	9
9.2	S5.CH Charging (32.005, 32.015, 12.15, 32.105).....	9
9.2.1	Clarification for QoS parameters .....	9
9.2.2	"Fair charging" .....	9
9.2.3	Release 1999 / 2000 work plan on Charging .....	10
9.2.4	Open S5.CH issues from this meeting.....	10
9.3	S5.CM Configuration Management (32.106-x).....	10
9.3.1	CM Network Resource Model (object model for Basic CM IRP NRM) .....	10
9.3.2	Next steps and planning of CM ad-hoc meetings.....	11
9.4	S5.FM Fault Management (32.111-x) .....	11
9.4.1	Administrative issues - FM Rapporteur .....	11
9.5	S5.PM Performance Management (32.104) .....	11
9.5.1	Release 2000 work plan on Performance Management .....	12

10	Any other business .....	12
11	Scheduling of future meetings.....	12
12	Adjournment.....	13
	<b>Annex A: List of Participants .....</b>	<b>14</b>
	<b>Annex A: List of Participants .....</b>	<b>14</b>
	<b>Annex B: Approved Agenda .....</b>	<b>15</b>
	<b>Annex C: List of documents.....</b>	<b>16</b>
	<b>Annex Z: Access to 3GPP documents .....</b>	<b>18</b>
Z.1	3GPP email lists .....	18
Z.2	Email archives .....	18
Z.3	Meeting invitations and meeting calendar.....	18
Z.4	Meeting documents on the server.....	18
Z.5	3G-specifications / Deliverables (TS/TR).....	19
	History .....	20

**Chairman:** Albert YUHAN (VoiceStream Wireless)  
**Vice-Chairman:** Michael TRUSS (Motorola)  
**Secretary:** [Adrian.ZOICAS@etsi.fr](mailto:Adrian.ZOICAS@etsi.fr) (3GPP Mobile Competence Centre)  
**Host:** T1P1 with the funds contributed by North American friends of 3GPP

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## 1 Call to order

The meeting was called to order by the SA5 chairman, Albert H. YUHAN (VoiceStream Wireless), at 08:45 hrs a.m. on Tuesday 25 July 2000. The Rapporteur Group (RG) meetings commenced on Monday 24 July 2000. The chairman thanked T1P1 and its members for hosting the meeting.

A welcoming address was given by Asok CHATTERJEE (T1 North America / Ericsson), Vice-Chairman of the 3GPP Project Co-ordination Group (PCG). He stressed the importance of Operations, Maintenance & Charging for 3G to take-off and wished SA5 well for the meeting.

On behalf of the host, T1P1, Albert H. YUHAN warmly welcomed the delegates to Alexandria (VA), in the vicinity of the USA capital city Washington D.C.. The SA5 delegates were cordially invited to a Wednesday evening dinner.

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## 2 Participant registration

36 delegates attended the meeting. The list of participants can be found in Annex A. The updated list of registered SA5 delegates, maintained by the Chairman, which records the Voting right status of the SA5 member companies and their delegates, can be found at: [ftp://ftp.3gpp.org/TSG\\_SA/WG5\\_TM/TSGS5\\_13/Docs/s5MemLst.zip](ftp://ftp.3gpp.org/TSG_SA/WG5_TM/TSGS5_13/Docs/s5MemLst.zip)

The Chairman reminded the “Article 55: Intellectual Property Rights (IPR) Policy” of the 3GPP Working Procedures:

- Individual Members shall be bound by the IPR Policy of their respective Organizational Partner.
- Individual Members should declare at the earliest opportunity, any IPRs, which they believe to be essential, or potentially essential, to any work ongoing within 3GPP.
- Organizational Partners should encourage their respective members to grant licences on fair, reasonable terms and conditions and on a non-discriminatory basis.
- The PCG shall maintain a register of IPR declarations relevant to 3GPP, received by the Organizational Partners.

The Chairman invited the delegates to declare IPRs - relevant to the 3GPP - they are aware of and there were no declarations received.

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## 3 Agenda approval

The draft agenda proposed by the Chairman was approved without modification and can be found in annex B of this report.

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## 4 Document registration and attribution

The list of meeting documents can be found in Annex C of this report.

NOTE: Document [\\_S5DocLst.doc](#) contains the Year 2000 Document List, which is continuously updated. The latest version can be found at [ftp://ftp.3gpp.org/TSG\\_SA/WG5\\_TM/\\_s5DocLst.doc](ftp://ftp.3gpp.org/TSG_SA/WG5_TM/_s5DocLst.doc)

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## 5 Meetings and activities reports

### 5.1 Last SA5 meeting report

Document [Rep-S5-12-v01](#), containing the draft report of the SA5#13 meeting, was approved after removing Nortel's resource commitment in section 7.1.6. The approved report is contained in [S5-000335](#).

S5-000335	Report of the 3GPP SA WG5 (Telecom Management) meeting #12 hosted by Telecom Italia Mobile (TIM) in Rome, Italy 5 – 9 June 2000	SA5 Secretary (Adrian ZOICAS)
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## 5.2 TSG-SA meeting report

The Chairman reported by e-mail on 28 June about the results concerning SA5 from the SA#8 meeting held in Düsseldorf, Germany, 26-28 June 2000:

- GSM 12.71 (LCS O&M) Release 98 specification was approved (both for GSM R98 & GSM R99) and placed under TSG SA Change Control.
- All submitted CRs were **approved**.  
On 32.106 it was noted that Parts 5-7 were not provided. It was explained that these parts are not yet available and it is hoped to provide them when the technical content is available. This is expected to be included as Release 99, and remains on the **open issues list for Release 99**.
- The proposed new work item “Feature” on Service Management (Release 00) was **rejected**.  
There was some concern expressed that there are some details in the draft specification which point to potential requirements which are not yet developed in S1.  
S1 were requested to investigate the requirements. T2 and T3 should be consulted for the impacts on their work. S5 undertook to initiate a service requirement study and to forward the results to other impacted WGs.  
Following some discussion at SA#8 on the impacts of this item it was decided to **reject** this work item. S1, S2, S3 and T2 were asked to discuss this and re-draft the WI if required for re-submission to TSG SA. (The GSM Association 3GIG should also be consulted).

The SA5 chairman **proposed** to the current SA5 plenary to define & capture the requirements for Terminal Management and feed to the other 3GPP groups. A first step would be to bring these requirements into 32.102 where there is already a placeholder. This action was **assigned** to John MUDGE (VODAFONE AirTouch)

- The SA5 chairman asked the RGs to review their R99 work item descriptions and check whether they are still valid for R00.

## 5.3 PCG/OP meetings report

The Chairman and the Secretary referred to outcomes from the 3GPP PCG#4 (17-18 July 2000) and OP#3 (19 July 2000) meetings held in Beijing, CHINA and hosted by CWTS.

### 5.3.1 GSM evolution now part of 3rd Generation Partnership

- It was decided to create a new TSG, the fifth such group in the Project, named GERAN (GSM/EDGE Radio Access Network). Its principal responsibilities will be the maintenance and development of GSM Technical Specifications and Technical Reports, including GSM evolved radio access technologies (such as the General Packet Radio Service (GPRS) and Enhanced Data rates for GSM Evolution (EDGE)).

This continues the work that has previously been performed by the Special Mobile Group (SMG) of ETSI. As a founding Partner of 3GPP, ETSI has supported the transfer of GSM standardization to 3GPP.

The Organizational Partners have appointed Niels ANDERSEN (Motorola) as Convenor of TSG GERAN for its first two meetings, until a Chairman is selected.

Niels ANDERSEN is currently Chairman of ETSI sub-committee SMG2, the principal source of the work that is being transferred to the new TSG.

Other specification tasks being transferred from SMG to the new TSG includes radio-specific operational and maintenance requirements and mobile station testing. SMG work on smart cards specific to mobile systems will move to the 3GPP Terminals TSG.

GSM continues to evolve, with over 330 million users in more than 150 countries. Moreover, GSM is the principal stepping-stone towards 3rd Generation mobile systems such as that being specified by 3GPP. Created at the end of 1998, 3GPP has brought together the world's leading standards development organizations and industry groupings committed to developing a global communication system which will build on the GSM success and will offer high-capacity multimedia communication, including the Internet, to users on the move.

- The Organizational Partners have agreed that some of SMG's work is not appropriate for transfer to 3GPP, and ETSI has established two new groups to continue those activities. Technical Committee MSG (Mobile Standards Group) has, as its principal task, the production of European Standards as needed for regulatory purposes related to 2nd and 3rd Generation mobile systems.
- The second group is an ETSI Project for Smart Cards, which will create a central focus point for the standardization of a generic integrated circuit (IC) card platform. Extensive participation by companies and standards-making groups from throughout the world is expected.

### 5.3.2 IPR declaration

- It was re-emphasised that 3GPP Individual Members should declare at the earliest opportunity, any Intellectual Property Rights (IPRs), which they believe to be essential, or potentially essential, to any work ongoing within 3GPP.

### 5.3.3 Delay for availability of TSG/WG meeting reports

- It was requested that meeting reports should be available two weeks after the end of TSG and WG meetings at the latest.

## 5.4 Liaison Rapporteurs' reports

### 5.4.1 Co-operation with 3GPP2 on 3G OAM&P Specification Development

S5-000336	3GPP2 TSG-S Correspondence to 3GPP TSG-SA5 on 3G Mobile OAM&P Standards	3GPP2 TSG-S (Hideo OKINAKA)
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SA5 **noted** the LS. No response was expected.

S5-000337	3GPP2 OAM&P Stage 2/3 for cdma2000 (3GPP Delta Specification)	Jörg SCHMIDT (Motorola)
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Version 0.1 of document "OAM&P Stage 2/3 for cdma2000 (3GPP Delta Specification)" has been produced and was introduced recently for comments and discussion within 3GPP2 TSG-S. This document contains the OAM&P requirements and interface definitions for cdma2000-based systems. It is an extension of operations and maintenance requirements, per latest 3GPP 32-series specifications capabilities to enable operation in a cdma2000 systems environment as part of the TIA/EIA/IS-2000 family of standards. This work has been initiated in 3GPP2 by Ericsson and Motorola, which invited other equipment vendors to attend 3GPP2 meetings.

SA5 **noted** the LS & **encouraged** 3GPP2 to use the SA5's OAM&P specifications for creating delta specifications in 3GPP2.

### 5.4.2 VoP Net Mgt Collaboration Principles and Minutes

S5-000338	VoP Net Mgt Collaboration Principles and Minutes	Michael FARGANO (T1M1)
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This is a follow up to the previous message entitled "Standards Collaboration on VoP/IP Net Mgt."

That message announced that ETSI/TIPHON, ETSI/TMN, IETF, ITU, TMF and T1M1 had an effective meeting at the IETF Secretariat's Office to better define the framework for the collaboration on Voice over Packet/IP network management and agree on the best ways to get focused and move forward.

S5-000338 provides: (1) JointNM Program Principles and (2) Final Minutes of JointNM Leadership Meeting.

The next JointNM meeting will be hosted by T1M1 on 9-11 August 2000 during the regular T1M1 meeting week (<http://www.t1.org/t1m1/aug2000.htm>).

SA5 **discussed** this contribution and **noted** that the SA5 Chairman will attend these meetings on behalf of Voice Stream but he will make no commitment requiring SA5's approval.

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## 6 Discussions and decisions on inter-organisational issues

3GPP2 and TMF issues had been dealt with under sections 5.4 and 9.1.4 respectively.

### 6.1 Contribution to ITU-T Q19/4 meeting

S5-000349	Contribution to ITU-T Q19/4 meeting August 2000 (Torrance, CA, USA)	SA5
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Ericsson would like to get the acceptance from SA5 to send a contribution informing ITU-T about 3GPP's position on CORBA based management.

SA5 **approved** a cover page for a contribution to ITU-T Q19/4 that Ericsson is planning to submit to ITU-T. The purpose of the contribution to ITU-T Q19 is to present the OA&M Interface specifications based on CORBA technology produced by the 3GPP SA5.

Motorola agreed to be a named supporter of the Ericsson contribution to ITU-T Q19/4.

<b>Action 13/01:</b>	Ericsson to submit the contribution to ITU-T Q19/4 & to feedback to SA5 (ANDERSSON Håkan).
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No further written contributions had been provided under this agenda item.

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## 7 Discussions and decisions on administration issues

### 7.1 Work plan

- Michael TRUSS (S5.AR/PR Rapporteur) proposed that the Service Management should be done in a separate RG and not in AR/PR RG. The **decision was deferred**.
- The Chairman asked whether IP Management was in the scope of AR/PR RG. Michael TRUSS confirmed this positively but pointed out that contributions were needed.
- The Chairman asked all the RGs to review the WI description under their ownership and to submit to the closing plenary revised WI descriptions on R00 if necessary.

### 7.2 Other administrative issues

#### FM Rapporteur

- Gaetano CICCHITTO (Siemens) has resigned a few weeks ago – after the very successful termination of the tremendous work on the 3G Fault Management for Release 99 - as FM Rapporteur due to the change of responsibility within his organisation. Gaetano volunteered however to convene the present RG FM session in Washington. The SA5 Chairman has issued a call for nominations by e-mail and Lucent responded to provide a volunteer (Patrick JURÉ ) for this position. Being the only volunteer, Patrick JURÉ was appointed by the Chairman as FM Rapporteur to be effective after the SA5 #13 meeting.
- SA5 expressed sincere thanks to Gaetano CICCHITTO for the outstanding achievements on 3G FM for Release 99 made by the RG FM under his dynamic and competent leadership.

#### CH Rapporteur

- Ian DEAKIN (Motorola) has resigned a few weeks ago – after the successful termination of the work on the 3G Charging for Release 99 - 99 - as CH Rapporteur due to the fact that he left his Motorola. The new company Ian is working for is not active in 3GPP for the time being. The SA5 Chairman has issued a call for nominations by e-mail. So far no candidature has been received. T-Mobil volunteered to provide temporarily Karl-Heinz NENNER as CH Rapporteur at least until the end of year 2000 and the Chairman appointed Karl-Heinz as temporary Rapporteur of the CH group to be effective immediately. SA5 warmly thanked Karl-Heinz - who is deeply involved in this work - and T-Mobil for the allocated voluntary resource.

- SA5 expressed sincere thanks to Ian DEAKIN for the good achievements on 3G Charging for Release 99 made by the RG CH under his efficient leadership.

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## 8 Cross-work item technical discussions

## 9 Work item Rapporteur Group reports and actions

### 9.1 S5.AR/PR Architecture/Principles (32.101, 32.102, 32.140, S5 TR01)

Rapporteur: TRUSS Michael (MOTOROLA Ltd)

S5-000348	REVISED Architecture & Principles (AR) Rapporteur session Report	AR/PR Rapporteur Group
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SA5 **noted** the above report.

#### 9.1.1 Management Level Procedures and Interaction with UTRAN (for the Iub interface)

S5-000341	Revised S5 TR01 Work Item Proposal	RG AR/PR
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S5-TR01 “Management Level Procedures and Interaction with UTRAN (for the Iub interface)” is based on I3.05 from RAN3 and captures high-level operational requirements and guidelines for identifying solutions to manage a multi-vendor network effectively.

SA5 **agreed** that now it would be appropriate to raise the status of this document from an SA5-internal report to a 3GPP Technical Report (TR). Supporting companies for a formal 3GPP work item were identified as Mannesmann, T-Mobil, Viag Interkom, Vodafone-AirTouch and France Telecom (S5-000341).

SA5 **noted** the revised draft 3GPP work item proposal in S5-000341. SA5 **decided** to formally agree this work item description at SA5#14 in Milan for subsequent submission to SA#9 for approval.

#### 9.1.2 User Equipment (UE) Management (32.102)

Vodafone-AirTouch submitted to RG AR a discussion paper on Terminal Management. Terminal Management allows user equipment to be managed remotely.

SA5 **agreed** that it should initially only identify the requirements of Terminal Management. A 32.102 CR to add detail to the already existing placeholder on Terminal Management would best address this.

A suggestion was made to use the term User Equipment (UE) Management rather than Terminal Management and it is likely that future contributions will use this term.

Vodafone-AirTouch agreed to take the action to work on this 32.102 CR proposal.

#### 9.1.3 Service Management (32.140) - Work Item proposal

S5-000342	Revised Draft Work Item Proposal on Service Management	RG AR/PR
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BT submitted to AR a Revised Draft WI Proposal on Service Management of S5-000299, which was rejected by SA #8.

The SA5 chairman reported that:

- the reason why SA#8 rejected the original work item proposal, i.e. clearer definition of impact and involvement of other TSGs required.
- the GSM Association is interested in supporting this type of work and is likely to convey this interest to 3GPP prior to the next SA meeting.

SA5 **agreed** that the term “**Service Operations Management**” would be used in the future for this work item.

SA5 **noted** the revised draft 3GPP work item proposal in S5-000342. SA5 **decided** to formally agree this work item description at SA5#14 in Milan for subsequent submission to SA#9 for approval.

#### 9.1.3.1 “Business Model” for 32 140

BT proposed - in a late contribution to AR - an input to the “Business Model” clause of TS 32 140. AR noted that a check should be made to align terminology and definitions with existing 3GPP vocabulary and architecture documents.

SA5 **encouraged** all its members - especially Operators and supporters of this WI - to bring comments on this proposal to SA5#14 in Milan.

#### 9.1.3.2 “Requirements” for 32 140

BT proposed - in a late contribution to AR - an input to the “Requirements” clause of TS 32 140. AR agreed that the Mobile Network Operator Requirements clause of the proposal would be more appropriately targeted at 32.101 rather than 32.140. The 32.101 Rapporteur (Michael TRUSS) agreed to help with the task of bringing the requirements into 32.101. It was agreed that more detailed comment on the proposal could not be made at this meeting due to the late availability of the contribution.

SA5 **encouraged** all its members - especially Operators and supporters of this WI - to bring comments on this proposal to SA5#14 in Milan.

### 9.1.4 Report on Joint 3GPP S5.AR/PR and TMF MMC session

A joint session of the SA5.AR/PR and the TMF Mobile Market Centre (MMC) was held at the TMF Action week at the Hyatt Capitol Hill.

3GPP SA5.AR/PR outlined the achievements of SA5 to date for R99 and the plans of AR/PR for R2000 in the areas of Service Operations Management and User Equipment Management.

TMF MCC presented its completed Catalyst project in the area of Service Quality Management.

TMF MCC outlined its plans regarding the just started projects in the areas of Terminal Management and Service Quality Management measurements.

Following the presentations a discussion was held on the potential for co-operation. The consensus of the meeting was that the TMF MMC project work is complimentary to the standardisation work of 3GPP SA5, and the two groups should try to work together. Some immediate plans to co-operate in the area of Terminal Management were made and are detailed below. Co-operation in the area of Configuration Management has begun at this meeting and is further detailed below.

**SA5 agreed that contributions from TMF should be received from companies, which are member of both TMF and 3GPP. These companies should also provide the 3GPP-required IPR declaration.**

#### 9.1.4.1 Terminal Management

It was agreed that in the area of Terminal Management there was scope for co-operation between TMF MMC and SA5. It was agreed to exchange contributions in this area.

An immediate action is on TMF MMC to contribute the first draft of its Terminal Management Project description for submission to SA5#14 in Milan.

This project will take a phased approach and will initially focus on the Software Upgrade area.

The SA5 AR/PR group will review these material and feedback comments to TMF MMC prior to its next meeting (13 Nov 2000 in Chicago).

The most appropriate method for 3GPP to receive this contribution would be via a company member of both 3GPP and TMF.

#### 9.1.4.2 Service Quality Management Measurements

The material presented by TMF’s project leader in the area of Service Quality Management measurements (Laure AIGROT of ADC Metrica, e-mail: laure\_aigrot@adc.com) may be of interest to the PM group to help in taking a top-down view on the definition of measurements.

This project aims to identify measurements that can be used to capture an end-users perception of Quality of Service.

This project intends to adopt a mapping methodology similar to that used in the TMF’s Service Quality Management Catalyst project; this methodology is based on ETSI’s ETR 003.

### 9.1.4.3 Common Configuration Management

The project leader (Ulrich SCHROER of Mannesmann) made a presentation to the group outlining the work currently underway in the area of Configuration Management.

Ulrich SCHROER indicated that the project sponsors would submit the Object Model and Solution Set of the project as a contribution to 3GPP SA5.

T-Mobil, Mannesmann and Viag Interkom have made the first such contributions to SA5.CM at this meeting (SA5#13).

### 9.1.5 Release 2000 work plan on 32.101, 32.102

SA5.AR/PR reviewed the existing work item descriptions for 32.101 and 32.102 (SP-00033) and agreed that the scope of the work items did not require modification to allow the groups Y2000 work plan to continue.

## 9.2 S5.CH Charging (32.005, 32.015, 12.15, 32.105)

Rapporteur: NENNER Karl Heinz (Deutsche Telekom MobilNet)

S5-000346	Charging (CH) Rapporteur session Report	CH Rapporteur (Karl-Heinz NENNER)
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SA5 noted the above report.

### 9.2.1 Clarification for QoS parameters

S5.CH proposed:

- to align the QoS parameters recorded in the CDRs with GSM 04.08
- to maintain that the QoS profile in 3G includes not only the newly defined 3G parameters but also the 2G QoS parameters.

S5.CH proposed appropriate changes to the ASN.1 definitions of the S-CDR and G-CDR.

S5.CH discussed whether it was correct that 2G QoS parameters are indeed used in the 3G PS domain.

3G TS 24.008 seems to indicate that this is the case, while 3G TS 23.107 appears to define a 3G-only set of QoS parameters with no overlap with 2G.

SA5 approved the following LS to clarify the issue with the concerned 3GPP WGs (CN1, SA2):

S5-000353	LS from SA5 to CN1, SA2 on "2G/3G QoS profiles" (S5B000031)	SA5
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SA5 provisionally agreed for submission to SA#9 for approval the following CRs:

S5-000354	32.015 CR: Miscellaneous detail clarifications to chapter 7 (S5B000028)	CH Group
S5-000355	32.015 CR: Miscellaneous detail clarifications and corrections to version 3.2.0 (S5B000029)	CH Group
S5-000356	32.015 CR: Clarification for QoS parameters (S5B000032)	CH Group

S5.CH was asked to check these CRs against the latest 32.015 version to be made available on the server early Aug 2000.

The final SA5-agreement to the draft CRs will be given at SA5#14 in Milan.

### 9.2.2 "Fair charging"

This is an "old" issue that has been introduced by SA2 in order to assure correct charging of the customer in the PS domain. A dedicated method has been specified to allow the 3G-SGSN to request the number of unsent downlink octets for a PDP context from the RNC at any time. However, S5.CH believe that this mechanism is neither necessary nor useful, while the accurate charging upon RAB release is already assured through the defined RAB set-up and release messaging. On the other hand, allowing the SGSN to deliberately send any number of such requests to the RNC(s) could easily overload the Iu interface (e.g. a huge number of simultaneous requests upon tariff time change).

Previous attempts to retrieve more information from SA2 have failed, although the concerns of S5.CH had been conveyed to SA2. The charging group therefore asked the SA5 chairman to request more information on the matter directly from SA2, so that the background of the “fair charging” mechanism can be understood. In case the assessment of the fair charging by S5.CH is correct, then this mechanism should be removed from the 3G specifications (e.g. the stage 2 description of 3G GPRS and the RANAP protocol definition). Otherwise, it has to be made sure that the mechanism is correctly specified in all concerned 3G specifications, which may include 3G TS 32.015.

<b>Action 13/02:</b> SA5 chairman to request more information on “fair charging” directly from SA2.
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### 9.2.3 Release 1999 / 2000 work plan on Charging

The R99 Charging work item (S5-99113) was updated as follows:

- Added TS 32.005 and TS 32.015 to the intended output.
- The finalisation date for TS 32.015 is SA5#14 (Sept 2000), for TS 32.005 it is SA5#16 (Dec 2000).

S5-99332 contains the R00 work plan for SA5. No R00 work items can currently be defined by S5.CH. This is mainly due to the fact that the group still concentrates on the finalisation of R99.

Also, there is currently no reliable information available regarding R00 core features and architectural changes that might be relevant for charging.

S5.CH concluded that the finalisation of R99 specifications must have the highest priority. A detailed R00 work plan will only be made once this goal is achieved. S5.CH considers that the R99 charging functionality will also be usable in R00 networks, also possibly not all requirements can be fulfilled in that environment.

SA5 noted this.

### 9.2.4 Open S5.CH issues from this meeting

SA5 noted some major open S5.CH issues from this meeting:

- GSM LCS charging (SA5 decided to submit to SA#9 a CR against either 12.05 or 12.71 for the inclusion of “GSM LCS Charging – CDR definition”).
- Update 3G TS 32.005 (GSM call and event data for the CS domain) in order to create a first stable version for R99.

## 9.3 S5.CM Configuration Management (32.106-x)

Rapporteur: TOVINGER Thomas (ERICSSON L.M.)

S5-000352	Configuration Management (CM) Rapporteur session Report	CM Rapporteur (Thomas TOVINGER)
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SA5 noted the above report.

### 9.3.1 CM Network Resource Model (object model for Basic CM IRP NRM)

Tapinder PAL (T-Mobil) made a proposal based on model work by the TMF “Catalyst” (project) Team for Common Configuration Manager (CCM).

S5.CM concluded that there is very limited time left to incorporate most of this proposal in R99.

Consequently, S5.CM has to focus on the most urgent requirements – not being all the radio functionality and attributes, but “at least a core model, which is consistent with the CCM model to allow future extensions in that direction”.

SA5 agreed that more time was necessary to consider and analyse the pros and cons of the different proposals.

S5.CH proposed to perform an e-mail discussion around this subject until the next meeting and then take a decision.

Tapinder PAL (T-Mobil) was asked and agreed to open and manage the discussion, including summarising the arguments expressed and possible conclusions, by the next meeting.

The SA5 Chairman clarified that this e-discussion must be at CM Rapporteur group level (rather than SA5 plenary level) discussion although SA5 share a single SA5 exploder list.

In order to have a formal discussion and an official decision at the end, the chair of the subjected entity (or an officer with a

clear mandate) should make a formal call to and preside the discussion (including an e-discussion) together with a clear path of decision making procedure spelled-out.

On the other hand, any body can initiate just informal information exchange among interested parties.

SA5 **decided** that an “informal information exchange among interested parties” over the SA5 exploder list could be initiated in order to pave the way for S5.CH to submit a proposal for SA5 decision at SA5#14 meeting.

### 9.3.2 Next steps and planning of CM ad-hoc meetings

SA5 **approved** the request from the S5.CM for an ad-hoc meeting hosted by ETSI in Sophia Antipolis on the 7-8 September (the week before the SA5 meeting #14).

SA5 **appointed** as Convenor Thomas TOVINGER, the CM Rapporteur. The purpose of this meeting is to progress the issues not discussed due to lack of time as follows:

- 32.106-5: “Configuration Management IRP: Information Model”  
32.106-6: “Basic CM IRP CORBA SS”.  
32.106-7: “Basic CM IRP CMIP SS”.
- Inclusion of outstanding R99 Work Items into R00.  
General planning for R00  
Bulk CM Data Upload and Download over Itf-N (R00).
- Review S5.AR’s TR01 V0.0.2” Management level procedures and interactions with UTRAN.

SA5 #13bis	7-8 September 2000	ETSI	Sophia Antipolis, France
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## 9.4 S5.FM Fault Management (32.111-x)

Convenor and Former Rapporteur: CICCHITTO Gaetano (SIEMENS ICN S.p.A)

New Rapporteur after this meeting: JURÉ Patrick (TRT Lucent Technologies)

S5-000343	Fault Management (FM) Rapporteur session Report	FM Rapporteur (Gaetano CICCHITTO)
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SA5 **noted** the above report.

SA5 **noted** some major open S5.FM issues not being dealt with at the present meeting due to lack of time as follows:

- Methodology for the production of 32.111 R00.
- Content of TS 32.111 R00.

### 9.4.1 Administrative issues - FM Rapporteur

Gaetano CICCHITTO (Siemens) has resigned a few weeks ago – after the very successful termination of the tremendous work on the 3G Fault Management for Release 99 - as FM Rapporteur due to the change of responsibility within his organisation.

Gaetano volunteered however to convene the present RG FM session in Washington.

The SA5 Chairman has issued a call for nominations by e-mail and Lucent responded to provide a volunteer (Patrick JURÉ ) for this position. Being the only volunteer, Patrick JURÉ was appointed by the Chairman as FM Rapporteur to be effective after the SA5 #13 meeting.

For this meeting Gaetano CICCHITTO chaired the S5.FM sessions.

SA5 expressed sincere thanks to Gaetano CICCHITTO for the outstanding achievements on 3G FM for Release 99 made by the RG FM under his dynamic and competent leadership.

## 9.5 S5.PM Performance Management (32.104)

Rapporteur: NENNER Karl Heinz (Deutsche Telekom MobilNet)

S5-000351	Performance Management (PM) Rapporteur session Report	PM Rapporteur (Karl-Heinz NENNER)
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SA5 noted the above report.

### 9.5.1 Release 2000 work plan on Performance Management

SA5 noted that:

- The PM work plan for release 2000 was not discussed due to lack of time.
- The SA5.PM agreed work plan could be found in S5-000209.

SA5 noted that for the time being no further action was required from the S5.PM with respect to their R00 work plan.

## 10 Any other business

None.

## 11 Scheduling of future meetings

SA5 decided that it should continue during Year 2001 with two (2) SA5 plenary meetings between two consecutive TSG meetings.

SA5 noted that WG plenary meetings should not be held during the week before and the week after TSG meetings, which span over two weeks (i.e. one week on each side of the 2 weeks long TSG meetings).

The buffer before the TSG meetings was necessary for preparing & submitting the CRs well before the TSGs meetings for their consideration.

The buffer after the TSG meetings was necessary to MCC for implementing the approved CRs & providing the updated specifications as the basis for further work in the WGs.

SA5 decided on the dates for the first consecutive plenary meetings for the year 2001 as follows:

Meeting	Date	Host	Location
SA5 #13bis	7-8 September 2000	ETSI	Sophia Antipolis, France
SA5 #14	11 - 15 Sep 2000	Siemens	Milan, Italy
SA5 #15	16 - 20 Oct 2000	Girdwood (Anchorage)	Alaska, USA
SA5 #16	27 Nov - 1 Dec 2000	NTT DoCoMo	Yokohama, Japan
SA5 #17	22 – 26 Jan 2001		
SA5 #18	26 Feb – 2 Mar 2001		
SA5 #19	2 - 6 Apr 2001		
SA5 #20 Memorial	28 May - 1 Jun 2001		
SA5 #21			
SA5 #22			
SA5 #23			
SA5 #24			
<b>----- Related meetings (for information) -----</b>			
TSG#9	20 – 28 Sep 2000	T1	Hawaii, USA
TSG#10	06 - 14 Dec 2000	Unisys Deutschland	Bangkok, Thailand
PCG#5	14 Nov 2000	North America	T1
OP#4	15 Nov 2000	North America	T1
TSG#11	14 - 22 Mar 2001		USA
TSG#12	13 - 21 Jun 2001		Europe (Sweden ?)
TSG#13	26 Sep - 4 Oct 2001		TBD
TSG#14	12 - 20 Dec 2001		TBD

Meeting	Date	Host	Location
NOTE: The central location for all information relating to the 3GPP meeting calendar and the corresponding meeting invitations can be found at: <a href="http://www.3gpp.org/Meetings/meetings.htm">http://www.3gpp.org/Meetings/meetings.htm</a>			

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## 12 Adjournment

The chairman adjourned the meeting on Friday 9 July 2000 at 12:36 hrs local time. He thanked all delegates for their active contributions and the generous host TIP1 for the good meeting facilities and for the Wednesday dinner.

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## Annex A: List of Participants

Attendee	Name	Individual Member	PO
ANDERSSON	Håkan	Ericsson	ETSI
BERGGREN	Tommy	Telia AB	ETSI
BODEN	Bert	Mannesmann	ETSI
CARYER	Geoff	BT	ETSI
CICCHITTO	Gaetano	Siemens ICN SpA	ETSI
GEERS	René	Telenor	ETSI
GOERMER	Gerald	Siemens AG	ETSI
HIJDRA	Martijn	Mannesmann	ETSI
HUBINETTE	Ulf	Ericsson	ETSI
HUTH	Jörg	Siemens AG	ETSI
JURÉ	Patrick	Lucent Technologies	ETSI
KHAN	Taimoor	Nortel Networks	
MAUDOUX	Jean François	FTR&D France Telecom	ETSI
MILEVOY	Alan	Nortel Networks	T1
MILHAM	Dave	BT	ETSI
MUDGE	John	Vodafone AirTouch	ETSI
MUKHERJEE	Auro	Powertel	T1
NENNER	Karl-Heinz	T-Mobil	ETSI
NOUIRA	Habib	Alcatel France	ETSI
PAL	Tapinder	T-Mobil	ETSI
PIERRE	Jean Paul	Alcatel	ETSI
PIRT	Trevor	Motorola	ETSI
SCHEER	Randall	Lucent Technologies	ETSI
SCHMIDT	Jörg	Motorola	
SIDOR	David	Nortel Networks	T1
SNOECK	Wim	Siemens AG	ETSI
SORBIER	Jean	Nortel Networks	ETSI
TAKEUCHI	Yutaka	NTT DoCoMo	TTC
TOVINGER	Thomas	Ericsson	ETSI
TRUSS	Michael	Motorola U.K.	ETSI
TSE	Edwin	Ericsson	ETSI
WILBER	John	ATT	T1
YUHAN	Albert H.	VoiceStream Wireless	T1
ZANGOLI	Stefano	TIM Telecom Italia	ETSI
ZHOU	Di	Siemens AG , Austria	ETSI
ZOICAS	Adrian	ETSI	ETSI

**Number of Attendees: 36**

NOTE 1: The List of 3GPP Individual Members can be consulted at [http://www.3gpp.org/Participation/3GPP\\_IM.htm](http://www.3gpp.org/Participation/3GPP_IM.htm)

NOTE 2: If you have an **ETSI Username/Password**, you may change yourself your old e-mail address

[anouch.chichmanian@rd.francetelecom.fr](mailto:anouch.chichmanian@rd.francetelecom.fr)

with your new one

[anouch.chichmanian@francetelecom.fr](mailto:anouch.chichmanian@francetelecom.fr)

directly on the **ETSI home page** <http://www.etsi.org> by clicking **Telephone Directory** <http://webapp.etsi.org/teldir/>

& by ticking the case \* **Update your new email in all our exploder lists**

you will make this update on all ETSI/GPP exploder lists you have subscribed to.

## Annex B: Approved Agenda

Agenda item		Allocation of Meeting Documents: Input Documents, Output Documents
1	Call to order (Tuesday, 1:45 p.m.)	
2	Participant registration	
3	Agenda approval	_s5_13_agenda.doc
4	Document registration and attribution	_s5DocLst.doc
5	Meetings and activities reports	
5.1	Last SA5 meeting report	rep-S5-12-v01.doc, 335
5.2	TSG-SA meeting report	339
5.3	Liaison rapporteurs reports	336, 337, 338
5.4	Other reports	
6	Discussions and decisions on inter-organizational issues	349,
7	Discussions and decisions on administration issues	
7.1	Work plan	
7.2	Other administrative issues	
8	Cross-work item technical discussions	
9	Work item rapporteur group reports and actions	
9.1	S5.AR/PR rapporteur group	348, 341, 342,
9.2	S5.CH rapporteur group	346, 353, 354, 355, 356,
9.3	S5.CM rapporteur group	352,
9.4	S5.FM rapporteur group	343,
9.5	S5.PM rapporteur group	351,
9.6	S5.Ad Hoc groups (if any)	
10	Discussions and decisions on other business	
11	Scheduling of future meetings	
12	Adjournment (Friday, 12:30 p.m.)	

## Annex C: List of documents

Legend Documents highlighted in **red** are not available yet; e.g. **S5-000xyz**  
 Documents highlighted in **green** are replaced / superseded by a Revised Version; e.g. **S5-000xyz**  
 Documents highlighted in **blue** had been sent out by SA5 & the action is discharged; e.g. **S5-000xyz** **Sent on 1 Mar 2000**

Tdoc	Agenda	Title	Source	Status
<b>Post-Meeting #12 Documents</b>				
S5-000322		LS from SA5 to CN, RAN, T and IGC on "Service Management " - New R00 work item proposal under SA5's responsibility"	SA5	<b>Dispatched on 15 Jun 00</b>
S5-000323		32.106 CR, "Split of TS - Part 1: Main part of spec - Concept and Requirements" (SP-000241)	SA5	20 Jun 00 approved by correspondence
S5-000324		32.106 CR, "Split of TS - Part 2: Notification Integration Reference Point (IRP): Information Service (IS)" (SP-000242)	SA5	20 Jun 00 approved by correspondence
S5-000325		32.106 CR, "Split of TS - Part 3: Notification Integration Reference Point (IRP): CORBA Solution Set (SS)" (SP-000243)	SA5	20 Jun 00 approved by correspondence
S5-000326		32.106 CR, "Split of TS - Part 4: Notification Integration Reference Point (IRP): CMIP Solution Set (SS)" (SP-000244)	SA5	20 Jun 00 approved by correspondence
S5-000327		32.106 CR, "Split of TS - Part 8: Name Convention for Managed Objects" (SP-000245)	SA5	20 Jun 00 approved by correspondence
S5-000328		32.111 CR, "Split of TS - Part 1: Main part of spec – Requirements" (SP-000247)	SA5	20 Jun 00 approved by correspondence
S5-000329		32.111 CR, "Split of TS - Part 1: Main part of spec – Merge Clause X into Clause 4" (SP-000248)	SA5	20 Jun 00 approved by correspondence
S5-000330		CR 32.101 "Terminology corrections"	SA5	20 Jun 00 approved by correspondence
S5-000331		32.111 CR, "Split of TS - Part 1: Main part of spec - Alignment of FM requirements with IRP, etc." (SP-000249)	SA5	20 Jun 00 approved by correspondence
S5-000332		32.111 CR, "Split of TS - Part 2: Alarm Integration Reference Point (IRP): Information Service (IS)" (SP-000250)	SA5	20 Jun 00 approved by correspondence
S5-000333		32.111 CR, "Split of TS - Part 3: Alarm Integration Reference Point (IRP): CORBA Solution Set (SS)" (SP-000253)	SA5	20 Jun 00 approved by correspondence
S5-000334		32.111 CR, "Split of TS - Part 4: Alarm Integration Reference Point (IRP): CMIP Solution Set (SS)" (SP-000254)	SA5	20 Jun 00 approved by correspondence
<b>Meeting #13, Washington D.C., USA, 24- – 28 July 2000</b>				
S5-000335		Report of the 3GPP SA WG5 (Telecom Management) meeting #12 hosted by Telecom Italia Mobile (TIM) in Rome, Italy 5 – 9 June 2000	SA5 Secretary (Adrian ZOICAS)	
S5-000336	5.3	3GPP2 TSG-S Correspondence to 3GPP TSG-SA5 on 3G Mobile OAM&P Standards	3GPP2 TSG-S (Hideo OKINAKA)	Noted (under 6). No response expected.
S5-000337	5.3	3GPP2 OAM&P Stage 2/3 for cdma2000 (3GPP Delta Specification)	Jörg SCHMIDT (Motorola)	Discussed (under 6). 3GPP2 encouraged to use the SA5 specs for creating delta specs.
S5-000338	5.3	VoP Net Mgt Collaboration Principles and Minutes	Michael FARGANO (T1M1)	Discussed. SA5 Chair will attend the meetings on behalf of Voice Stream & will make no commitment requiring SA5 approval.
S5-000339	5.2	Draft Report of TSG SA meeting #8, version 0.0.1	Maurice POPE (SA Secretary)	Noted. SA5 members to digest.
<b>S5-000340</b>	<b>AR 9.1</b>	Architecture & Principles (AR) Rapporteur session Report	AR Rapporteur (Michael TRUSS)	Revised - see S5-000348
S5-000341	<b>AR 9.1</b>	Revised S5 TR01 Work Item Proposal	AR/PR Group	Noted.
S5-000342	<b>AR 9.1</b>	Revised Draft Work Item Proposal on Service Management	AR/PR Group	Noted.
S5-000343	<b>FM 9.4</b>	Fault Management (FM) Rapporteur session Report	FM Convenor (Gaetano CICCHITTO)	Noted.
<b>S5-000344</b>	6	Contribution to ITU-T Q19/4 meeting August 2000 (Torrance, CA, USA)	Håkan ANDERSSON (Ericsson)	Revised - see S5-000349
<b>S5-000345</b>	<b>CM 9.3</b>	Configuration Management (CM) Rapporteur session Report	CM Rapporteur (Thomas TOVINGER)	Revised - see S5-000352
S5-000346	<b>CH 9.2</b>	Charging (CH) Rapporteur session Report (S5B-000033)	CH Rapporteur (Karl-Heinz NENNER)	Noted.

S5-000347	PM 9.5	Performance Management (PM) Rapporteur session Report	PM Rapporteur (Karl-Heinz NENNER)	Revised - see S5-000351
S5-000348	AR 9.1	REVISED Architecture & Principles (AR) Rapporteur session Report	AR Rapporteur (Michael TRUSS)	Replaces S5-000340. Noted.
S5-000349	6	Contribution to ITU-T Q19/4 meeting August 2000 (Torrance, CA, USA)	SA5	Replaces S5-000344. Approved.
S5-000350		SG 4 Q.821-2000	David SIDOR (Nortel Networks)	To be allocated to FM
S5-000351	PM 9.5	REVISED Performance Management (PM) Rapporteur session Report	PM rapporteur (Karl-Heinz NENNER)	Replaces S5-000347. Noted.
S5-000352	CM 9.3	REVISED Configuration Management (CM) Rapporteur session Report	CM Rapporteur (Thomas TOVINGER)	Replaces S5-000340. Noted.
<b>Post-Meeting #13 Documents</b>				
S5-000353	CH 9.2	LS from SA5 to CN1, SA2 on "2G/3G QoS profiles" (S5B000031)	SA5	Approved. Dispatched on 2 Aug 00
S5-000354	CH 9.2	32.015 CR: Miscellaneous detail clarifications to chapter 7 (S5B000028)	CH Group	Provisionally agreed. Final agreement to be given at SA5#14.
S5-000355	CH 9.2	32.015 CR: Miscellaneous detail clarifications and corrections to version 3.2.0 (S5B000029)	CH Group	Provisionally agreed. Final agreement to be given at SA5#14.
S5-000356	CH 9.2	32.015 CR: Clarification for QoS parameters (S5B000032)	CH Group	Provisionally agreed. Final agreement to be given at SA5#14.
NOTE: This document list is continuously updated. The latest version can be found at: <a href="ftp://ftp.3gpp.org/TSG_SA/WG5_TM/S5DocLst.doc">ftp://ftp.3gpp.org/TSG_SA/WG5_TM/S5DocLst.doc</a>				

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## Annex Z: Access to 3GPP documents

This annex briefly outlines some of the more important locations of information that all SA5 members should be aware of.

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### Z.1 3GPP email lists

To receive information about SA5 issues, all delegates and other interested parties **MUST** register for email list 3GPP\_TSG\_SA\_WG5. This can be done by sending an email to [listserv@list.3gpp.org](mailto:listserv@list.3gpp.org) with the following single line of text in the body of the message:

```
subscribe 3GPP_TSG_SA_WG5 YourFirstName YourLastName
```

There are many other 3GPP email lists that may also be of interest. Go to [http://www.3gpp.org/Discussion\\_Lists/e-mail.htm](http://www.3gpp.org/Discussion_Lists/e-mail.htm) for further information.

If at any time you would like to confirm which lists you are currently a member of, just sent a message to [listserv@list.3gpp.org](mailto:listserv@list.3gpp.org) with the following single line of text in the body of the message:

```
QUERY *
```

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### Z.2 Email archives

All 3GPP lists have an associated archive of every email sent via that list. Information on how to access the archive are sent to you when you subscribe to the list. This means that if you have temporary email problems, or have just joined the group, you can check to see if you have missed any messages. The easiest way to search the archive is first to request a list of all messages sent to the particular group you are interested in. For example, to get a list of messages sent via the 3GPP\_TSG\_SA\_WG5 list between 1<sup>st</sup> May 2000 and the current date, send the following command to [listserv@list.3gpp.org](mailto:listserv@list.3gpp.org) :

```
search * in 3GPP_TSG_SA_WG5 since May 2000
```

As well as a list of emails sent, you receive instructions about how to retrieve the emails.

3GPP archives are also available via a WWW interface. For SA5, go to: [http://list.3gpp.org/archives/3gpp\\_tsg\\_sa\\_wg5.html](http://list.3gpp.org/archives/3gpp_tsg_sa_wg5.html)

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### Z.3 Meeting invitations and meeting calendar

The central location for all information relating to the 3GPP meeting calendar and the corresponding meeting invitations can be found at: <http://www.3gpp.org/Meetings/meetings.htm>

In particular, the invitations to WG5 meetings are made available under the directory:

[ftp://ftp.3gpp.org/tsg\\_sa/wg5\\_tm/invitations/](ftp://ftp.3gpp.org/tsg_sa/wg5_tm/invitations/); and also in the subdirectory of the individual meeting; e.g. for SA5 meeting #14 it can be found on the server at: [ftp://ftp.3gpp.org/TSG\\_SA/WG5\\_TM/TSGS5\\_14/Invitation/](ftp://ftp.3gpp.org/TSG_SA/WG5_TM/TSGS5_14/Invitation/)

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### Z.4 Meeting documents on the server

Document **S5DocLst.doc** contains the Year 2000 Document List, which is continuously updated. The latest version can be found at [ftp://ftp.3gpp.org/TSG\\_SA/WG5\\_TM/S5DocLst.doc](ftp://ftp.3gpp.org/TSG_SA/WG5_TM/S5DocLst.doc)

All documents submitted to SA5 meetings are available on the 3GPP server in a directory (related to the number of the meeting) under: [ftp://ftp.3gpp.org/TSG\\_SA/WG5\\_TM/](ftp://ftp.3gpp.org/TSG_SA/WG5_TM/)

E.g. all the documents for SA5 meeting #13 can be found on the server either individually at:

[ftp://ftp.3gpp.org/TSG\\_SA/WG5\\_TM/TSGS5\\_13/Docs/](ftp://ftp.3gpp.org/TSG_SA/WG5_TM/TSGS5_13/Docs/) or altogether, including the final list of documents (**s5DocLst.doc**) and the Chairman's SA5 membership list (**S5MemLst.doc**), in a zip archive at: [ftp://ftp.3gpp.org/TSG\\_SA/WG5\\_TM/TSGS5\\_13/Docs/zip/s5-13.zip](ftp://ftp.3gpp.org/TSG_SA/WG5_TM/TSGS5_13/Docs/zip/s5-13.zip)

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## Z.5 3G-specifications / Deliverables (TS/TR)

- The 3GPP-specifications “Status List” can be found at: [http://www.3gpp.org/3G\\_Specs/3G\\_Specs.htm](http://www.3gpp.org/3G_Specs/3G_Specs.htm)  
E.g. the March 2000 “Status List” can be found at: [http://www.3gpp.org/TSG/Mar00\\_status\\_list.htm](http://www.3gpp.org/TSG/Mar00_status_list.htm)
- After each and every TSG SA meeting the updated 3GPP Specifications set is made available on the 3GPP server at: <ftp://ftp.3gpp.org/Specs/>  
E.g. the March 2000 Specifications set can be found at: [ftp://ftp.3gpp.org/Specs/March\\_00/](ftp://ftp.3gpp.org/Specs/March_00/)  
& the SA5-produced specifications can be found at: [ftp://ftp.3gpp.org/Specs/March\\_00/32\\_series/](ftp://ftp.3gpp.org/Specs/March_00/32_series/)
- The SA5-produced specifications are also copied in the SA5 meeting directory at: [ftp://ftp.3gpp.org/TSG\\_SA/WG5\\_TM/specs/](ftp://ftp.3gpp.org/TSG_SA/WG5_TM/specs/)  
E.g. for TS 32.101 at: [ftp://ftp.3gpp.org/TSG\\_SA/WG5\\_TM/specs/32101/](ftp://ftp.3gpp.org/TSG_SA/WG5_TM/specs/32101/)  
Previous versions of these specifications can be found in the same subdirectories.

## History

<b>Document history</b>		
Ver. 1.0	11 August 2000	DRAFT Report (rep-S5-13-v10.doc) submitted to SA5 for comment & approval at SA5#14 in Milan on 15 Sept 2000 and posted at: <a href="ftp://ftp.3gpp.org/TSG_SA/WG5_TM/TSGS5_13/Report/">ftp://ftp.3gpp.org/TSG_SA/WG5_TM/TSGS5_13/Report/</a> and <a href="ftp://ftp.3gpp.org/TSG_SA/WG5_TM/TSGS5_14/Docs/">ftp://ftp.3gpp.org/TSG_SA/WG5_TM/TSGS5_14/Docs/</a>
	15 Sept 2000	Approved without change at SA5#14 in Milan as S5-000400 and posted at: <a href="ftp://ftp.3gpp.org/TSG_SA/WG5_TM/TSGS5_13/Report/">ftp://ftp.3gpp.org/TSG_SA/WG5_TM/TSGS5_13/Report/</a> and <a href="ftp://ftp.3gpp.org/TSG_SA/WG5_TM/TSGS5_14/Docs/">ftp://ftp.3gpp.org/TSG_SA/WG5_TM/TSGS5_14/Docs/</a>