

3GPP
TSG-T meeting #5
Seoul, Korea, 7- 8 October 1999

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Agenda item: 5.1

Technical Specification Group Services and System Aspects
 Meeting #4, Miami, USA, 21-23 June 1999

Source: Secretary TSG SA (Maurice Pope)

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Draft Report, Version 0.0.4

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4 Letters / Reports from other groups

4.1 TSG T, TSG CN, TSG RAN

Document SP-99217 "Questions ITU-R 39/8 and 77/8". TG 8/1 WG2 Chairman introduced the document, reporting that TG 8/1 are trying to produce a new release of M.1224 and invite 3GPP delegates to provide abbreviations and definitions in the CDMA area.

SA WG1 will study this in order to try to avoid inconsistency within the 3GPP. SA WG1 Chairman asked if there was an equivalent document in ITU-T. It was clarified that the TG 8/1 document is for the IMT-2000 system terms and definitions and covers the whole IMT-2000 system.

It was recalled that at the last TSG SA meeting it was agreed to have a common vocabulary document and to base it on the one developed by TSG RAN. Each group are responsible for the terms and definitions in their area, and TSG SA will be responsible for the overall set. All groups were requested to provide their comments on the existing definitions, and to provide new ones, to the rapporteur of the vocabulary document and to the 3GPP Support Team. The rapporteur and the 3GPP Support Team will flag any conflicting proposals.

4.2 Partners and their bodies

Document SP-99222 LS from ETSI SMG2 to TSG SA responding to a Liaison on the use of GSM SIM cards for 3G Access. SMG2 advise that, if the 3G Operator is to have the possibility to reject the request for service from a user with a GSM-only SIM using the 3G Air interface, the simplest solution will be to let a dual-mode mobile station revert to single-mode GSM operation as long as it is registered on that PLMN, this reversion could, e.g. be based on information provided at the registration update. The Liaison was noted with the recognition that from the GSM radio side the compromise is fairly simple.

5 Reports from TSG SA Working Groups

5.1 TSG SA WG1

5.1.1 Report from TSG SA WG1

Mr Alan Cox, SA WG1 Chairman, presented his report, contained in **Document SP-99224**.

The SA WG1 Chairman reported that:

- Use of GSM SIM in UE has been discussed in SA WG1, but no consensus has yet been reached.
- Some companies want to forbid this use, others support the compromise reached at the SA#3 meeting.

There has been similar discussion in GSM-A SERG - some preferred to forbid it, but all agreed to the compromise - see LS in **Document SP-99240**.

Future work was outlined as follows:

- Plan to examine all outstanding work items and proposals at next S1 meeting.
- Only iterations & corrections for Release 1999.
- This may include agreeing consistent terminology for e.g. UE or ME.
- Major brainstorming and planning for Release 2000.

5.1.2 Questions for advice and decisions from TSG SA WG1

Document SP-99242 on Dual Mode USIM, proposing that the inclusion of the GSM SIM functionality in USIM cards should be made mandatory, was discussed.

TSG SA noted that in order to allow most efficient compatibility of phases the definition of the USIM requirements need to be flexible. Backward compatibility with different phases is the assumed goal, and SA WG1 is studying this. Equivalence in products (e.g. GSM and 3G) is also desirable for efficient manufacture of products and for a smooth introduction of 3G cards into the market place.

5.6 Review of TSG SA work programme

The Chairman reminded delegates that the work of any committee is reliant upon the commitment of the delegates and their companies to do the work decided upon in the meetings. On this background the delegates were urged to ensure that the required contributions are submitted to the relevant groups.

Furthermore, the Chairman noted that the preparation of contributions to the Plenary meetings requires time before the meeting for both the delegates and the support team which means that WG meetings should not be held the week before and the week after the Plenary meeting. The enforcement of this rule should not be more strict than: exceptions can be made, if acceptable to the Chairman of the group in question, the Support Team and, not least, the delegates.

6 Technical co-ordination with TSG CN, TSG RAN and TSG T

6.1 TSG CN

Document SP-99325 "Co-operation with ITU-T". This contribution discusses how 3GPP can produce a cohesive standard in co-operation with ITU-T. It proposes that the most appropriate group to deal with the expectations from ITU-T is CN WG1. TSG SA is asked whether 3GPP specifications should be submitted directly to the ITU-T or whether this should be done by each SDO after transfer to them. It also asks whether contributions should be sourced 3GPP or the Member Companies of 3GPP and ITU-T.

It is expected that the ITU-T will produce Recommendations by direct reference to IMT-2000 specifications produced in different bodies.

It was recognised that the submission of specifications to ITU-T would be facilitated by allowing 3GPP to do so directly, rather than via the SDOs, and the PCG will be asked for agreement to take this approach.

Document SP-99333 "Template for Endorsement of Referencing of 3GPP specs by ITU".

This contribution suggests that TSG SA should recommend to the participating SDO's that they send either joint or individual liaisons into ITU-R TG 8/1 and ITU-T SG11 supporting the use of directly referencing 3GPP specifications by the ITU.

It is requested that the 3GPP SDOs send a liaison to ITU-T stating that they support direct submission of specifications to the ITU by 3GPP.

The principle is endorsed by TSG SA and the PCG will be asked to approve this.

6.2 Report from TSG RAN

6.2.1 Report from TSG RAN

Mr. Y. Furuya, TSG RAN Chairman, presented his report, given in **Document SP-99313**, using the presentation slides given in **Document SP-99314**. At the TSG RAN Meeting #4, 12 specifications were approved (at version 3.0.0 and under TSG RAN Change Control). Chip rate and a downlink pilot structure modifications had been proposed and agreed in TSG RAN. It had also been agreed to identify the hooks and extensions for ANSI-41 core network to be included in Release'99. With these decisions, the work of TSG RAN had implemented the technical parts of the "OHG agreement".

...

TSG RAN has agreed to standardise both CTP/IP and SS7 as options for the lur.

...

ITU-R have decided to refer to 3GPP specifications and have requested that TSG RAN have stable specifications by October 1999. This has led to a review of the RAN Work Programme resulting in the following conclusions:

- generally, the work items are in line with ITU-R deadline;
- the TDD RF parameter work plan was changed;
- A lower chip rate on TDD has been proposed by China which was discussed regarding the ITU-R deadline, but as no Chinese delegates were present at the meeting, TSG RAN could not discuss this in

detail.

It had been agreed that TSG RAN will try to approve the specifications relevant for ITU-R at the October 1999 meeting.

OHG Issues: Based upon the OHG output (the “OHG agreement”), member companies had proposed modification of Chip rate, downlink pilot and proposed a study of hooks and extensions for a ANSI-41 core network to use UTRA (RP-99402 contained in **Document SP-99315**). Analysis's from RAN WG1 and RAN WG4 had shown that the changes would not impact the schedule for release '99 (RP-99320 and RP-99383 contained in **Document SP-99315**). Further TSG RAN had received an analysis of the impact of hooks and extensions for ANSI-41 (RP-99398 contained in **Document SP-99315**). This analysis shows that introduction of these hooks and extensions do not require major changes to UTRAN and therefore are not expected to cause any delay to release '99. In order to collect all requirements for hooks and extensions TSG RAN had agreed to hold a workshop. As ANSI-41 expertise and interest in using UTRA with an ANSI-41 network exist outside 3GPP, it was therefore suggested that TSG SA ask the PCG to invite members from outside of 3GPP.

6.2.2 Questions for discussion in TSG SA

The question of **Copyright for the RAN documents in the ITU** was raised. It was clarified that the 3GPP does not have copyright on the documents, but the copyright will be held by the Partners when they take the 3GPP output and publish them in their SDO. SDOs can release copyright to the ITU. It was explained that the ITU would wish to refer to the 3GPP documents directly, in order to avoid the possibility of the SDOs making any changes to the documents received from 3GPP before publication (see also agenda item 6.1.3).

It was decided that this is a subject for the PCG to resolve and the matter will be referred to them for decision on the way forward.

A question on the agreement to standardise both CTP/IP and SS7 as options for the Iur was asked. It was clarified that operator would have the option of which system to implement, but the consequences for manufacturers would be that they need to implement both options. It was further explained that TSG RAN had abstained from making the one or the other of the options mandatory, as that might mean that an operator using the other option would have to have implemented the support for an unused configuration, just in order to be compliant with the standard. TSG RAN had felt that this would imply an unnecessary cost, and operators could force their suppliers to commit to be able to upgrade the equipment with the unimplemented choice later.

Based upon the OHG output (the “OHG agreement”), member companies had proposed modification of Chip rate, downlink pilot and proposed a **study of hooks and extensions for a ANSI-41 core network to use UTRA** (RP-99402 contained in **Document SP-99315**). Analysis's from RAN WG1 and RAN WG4 had shown that the changes would not impact the schedule for release '99 (RP-99320 and RP-99383 contained in **Document SP-99315**). Furthermore, TSG RAN had received an analysis of the impact of hooks and extensions for ANSI-41 (RP-99398 contained in **Document SP-99315**). This analysis shows that introduction of these hooks and extensions do not require major changes to UTRAN and therefore are not expected to cause any delay to release '99. In order to collect all requirements for hooks and extensions TSG RAN had **agreed to hold a workshop**. As ANSI-41 expertise and interest in using UTRA with an ANSI-41 network exist outside 3GPP, therefore it was suggested that TSG SA ask the PCG to invite members from outside of 3GPP.

All in all, the impacts are not expected to influence the current time plan in 3GPP for release '99. It has also been shown that the necessary work is limited to the UTRA radio interface specifications. There should be no implications on the bearers and services provided by UTRAN. Therefore no impact is expected on the work of TSG SA and TSG CN.

On this background, TSG SA supported the decisions of TSG RAN and will recommend to the PCG that the invitation to the proposed workshop is send to relevant groups outside 3GPP.

Document SP-99316 “**Plan to handle the OHG harmonisation proposal in 3GPP**”. TSG RAN invited TSG SA to endorse this plan. The summarised work plan is given in item 4 of **Document SP-99316**. An open workshop on Hooks and extensions is planned for 24-26 August 1999 (date subject to change).

TSG SA endorsed this plan. The proposals will be forwarded to the PCG for approval.

It was noted that work in relation to the hooks and extensions might be necessary in other groups than TSG RAN, but should await the results of the planned workshop on the issue.

Document SP-99261 “**OHG Agreement**”. The TSG SA Chairman asked the originator whether the document, which includes the complete “OHG agreement” already had been covered during the previous

discussions or if the originator wanted to add anything. The originator confirmed that the document and the relevant parts of the "OHG agreement" had been fully covered.

6.3 Report from TSG T

6.3.1 Report from TSG T

Mr. S. K. Park, TSG T Chairman, presented his report, given in **Document SP-99281**, using the presentation slides given in **Document SP-99280**. A funding request for USIM testing was presented in **Document SP-99277** and for protocol conformance testing in **Document SP-99278**. TSG T asked for guidance on Harmonised regulatory standards for 3GPP terminals, given in **Document SP-99279**. The approach for Allocation of Application Identifiers (AIDs) had been debated and TSG SA was asked to endorse the approach to take (either 3GPP apply for a RID, or that the Partners maintain a list of AIDs for 3GPP. TSG T preferred the second approach). TSG T also requested some harmonisation of the Terminology used in 3GPP.

The transfer of GSM Specifications to 3GPP has been discussed by T WG3 but no final decision has yet been made for all of the specifications.

It was asked if the backwards compatibility of a UMTS terminal in a GSM-only environment has been discussed. It was reported that the roaming from 3G to 2G would need a USIM to be 2G compatible and at present the service requirement leaves this open. It was noted that the earlier discussed **Document SP-99265** covers this area for the Security aspects of SIM/USIM interoperability.

It was decided that it is a requirement that a 3G-card (USIM) shall work in a 2G GSM only environment (both in a GSM-only terminal and a dual mode 3G-GSM terminal). SA WG1 was asked to add this to the service requirements, and T WG3 was asked to take this requirement into account.

Based on this discussions and earlier discussions in the meeting TSG_SA agreed the following general principles:

- **As much backward compatibility as possible is aimed for.**
- **In order to ensure dual mode operation (3G-GSM), it is necessary that new developments are backwards compatible to the earlier phases of GSM. This would guarantee compatibility with existing equipment compliant with the specifications.**
- **It shall be possible to insert a 2G card (SIM) into a 3G terminal and access a 3G system (if the operator allows access with 2G cards (SIM)).**
- **It shall be possible to insert a 3G card (USIM) into a 2G terminal and access a 2G (GSM) network without requiring update of the 2G networks Network Elements, such as HLR and VLR.**

TSG T reported that it had been questioned whether 3GPP should be standardising a MM Messaging service. SA WG1 have requested T WG2 to examine the needs for MM Messaging and report back to SA WG1.

During the discussion of whether or not to standardise connectors for mobile terminals, it had been questioned how to interpret the statement from the organisational partners meeting that the items subject to standardisation in 3GPP are the items needed for global circulation. It was noted that this issue was not related to the general definition of global circulation.

6.3.2 Questions for discussion in TSG SA

Document SP-99277 "Request for funding of USIM testing".

In order to ensure testing of the 3G card (USIM), GSM 11.17 needs, together with GSM 11.10, clause 27, to be re-written to be applicable to 3G. This specification is considered crucial to the success of the 3G system as it will assist providing interoperability between 3G-cards (USIM) and the different terminals. TSG T proposes to set up a Project Team to write the test specifications, co-ordinated by T WG1.

TSG SA agreed to bring this request to the attention of the PCG. The TSG SA Chairman will investigate whether this can be handled within the 3GPP Support Team. Any offers for co-funding of this work should be addressed to the TSG SA Chairman or the head of the 3GPP Support Team.

Document SP-99278 "Funding for development of 3GPP TTCN specifications". This liaison statement highlights the need for test specifications written in the formal language TTCN and that to write TTCN test scripts requires dedicated specialists. This task is estimated to 6½ man years over the next 2 calendar years.

Without this funding it would be extremely difficult to test the resultant equipment.

TSG SA agreed to bring this request to the attention of the PCG. The TSG SA Chairman will investigate whether this can be handled as a task associated with the 3GPP Support Team. Any offers for co-funding of this work should be addressed to the TSG SA Chairman or the head of the 3GPP Support Team.

Document SP-99279 "Request for guidance on Harmonised Regulatory Standards for 3GPP Terminals".

TSG T suggest that a single 'regulatory' document is needed that will meet or exceed the requirements of all the local standards from the 3GPP member countries. Regulators can then recognise the standard as a harmonised regulatory standard and type approval can be achieved globally to this standard. It was noted that it would be up to the local regulatory authorities to issue harmonised regulatory standards and as such out of the scope of 3GPP.

In the short term, the only thing that can be done in 3GPP is to develop test specifications which are a superset of the global requirements so that regional requirements can be met by conformance to the same standard. Therefore TSG SA suggested that TSG T starts to analyse the requirements in the different regulatory areas so that a specification can be produced from which each regulator can choose the subset of requirements that meet the needs of their regulatory environment.

TSG SA asked the UMTS Forum contact person to convey the interest from the involved parties in a global approach to type approval as well as in global circulation of terminals. If any additional information or progress on the matter is found TSG SA and TSG T would be interested in being kept informed. It was reported that the UMTS Forum has a work programme, which covers these items and that this request would be taken to the UMTS Forum.

T WG1 will analyse the regulatory requirements in order to develop a superset of Test Cases for conformance testing. Each region can then select the relevant tests from the document developed by T WG1.

TSG SA will report the discussion to the PCG and TSG T can also report the issue to the PCG.

TSG SA noted TSG T's need for Application Identifiers (AIDs) and that TSG T recommends that 3GPP obtain an AID in its own right and it is maintained either by 3GPP or one of the Organisational Partner SDO.

The proposal of TSG T was noted and the recommendation will be forwarded to the PCG for confirmation of the method to use.

Document SP-99276 "LS to TSG RAN and SA about BER or FER based performance requirements".

This Liaison from T WG1 requests that RAN and SA groups investigate whether BER or FER is better for testing MS performance. This is requested to be carried out as soon as possible and report back to T WG1.

TSG SA noted that in terms of performance requirements for the mobile most of this can be on the QoS definitions. Furthermore, it was noted that, in principle, two types of bearers exist: transparent and non-transparent bearers. Seen from a service point of view it would be reasonable to test their key performance characteristics. A transparent bearer has a constant throughput and a variable error rate, therefore it seems reasonable to test BER for transparent bearers. A non-transparent bearer (e.g. packet data) has a constant quality but a variable throughput, therefore it seems reasonable to test the FER as a kind of measure for the throughput.

It was noted that currently, RAN WG4 has taken the position that BER will be used for measurement due to test times. This caused some concerns and RAN WG4 was asked to reconsider this, taking the different types of bearers into account.

6.3.3 Information on status and changes to deliverables

All delegates are requested to contact the 3GPP Support team to ensure that all documents are recorded on

the FTP server for the June 1999 release (Status after TSG SA meeting #4).

6.5 Content of June release

Document SP-99335 contains a draft June 1999 status list. Mr. I. Doig asked for comments from Chairmen and Rapporteurs on the correctness of the list, in order to compile a definitive list. Comments are requested by Friday 25 June 1999.

A column was requested to indicate information about specifications, which are no longer maintained, so that no work is done to update them subsequently. This was agreed.

6.6 Release '99

Document SP-99330 Contains the draft Global Road Map for SMG and 3GPP work items, giving the status of ongoing work items. This Road Map includes both SMG and 3GPP work items. Feedback should be sent to the 3GPP Support Team (Alain Sultan).

Document SP-99331 This classifies the work items into those which impact to GSM, those which impact the 3G system, and those which impact both.

It was noted that the handling of the common GSM and 3G work items needs to be clarified.

The document was noted. Feedback on the classification is requested, which should be sent to the 3GPP Support Team (Alain Sultan).

Access to the MCC Work Item database was requested. It was explained that this will soon be available via the web pages, as the user interface is currently being optimised for 3GPP Users.

The SA WG1 Vice Chairman requested that GSM 10.00 be made available in order to have it available for SA WG1 at their next meeting.

The document was then approved.

6.7 Beyond Release '99

The documents listed below were presented in series to give a full overview of the contributions before discussions began.

Document SP-99257 "Contents and timing of the next release following Release 99", Various companies.

Document SP-99264 "Migration from release 99 to future releases", France Telecom.

Document SP-99263 "Service requirements for next release", France Telecom.

Document SP-99268 "Issues for an all IP based network for R00", Siemens.

Document SP-99283 "IP, GPRS and 3GPP Release 2000", Motorola.

Document SP-99309 "List to be considered when defining the guidelines for R00 contents", Telia AB.

Document SP-99218 "Liaison Statement: Proposals for the next stage of work in 3GPP (i.e. 3GPP release 2000, 2001)", ETSI EP UMTS.

Document SP-99219 "Liaison Statement: Key Characteristics for Later Phases of UMTS", ETSI EP UMTS.

Following the presentations it was recognised that the concepts could be grouped as follows:

- The need for backward compatibility.
- Creation of 22.100 type document for recording the features of the next release.
- Targeting of next release for December 2000.
- All IP-based architecture as an option.
- Real-time services and QoS.
- Listing of items for inclusion in the next Phase.

There appears to be broad support for the all IP-based architecture option. A short feasibility study seemed to be necessary in order to plan the time-scales and implications. A concern over the delay which may be introduced by a feasibility study was voiced. It was clarified that this study would include the production of a work plan and could be completed quickly (by the next TSG SA meeting) depending on contribution from the companies.

The content proposals should be forwarded to SA WG1 in order to define the Service Requirements for the

next release (e.g. Release 2000).

SA WG1 should look into the requirements of services and features before SA WG2 begin looking into the architecture requirements.

A drafting group was set up to produce a plan of action along the lines described above, using the contributions as input. The result of this drafting activity was issued in **Document SP-99334**.

Document SP-99334 Work plan for R00. This is the output of the drafting group which recommends that:

- 1) a plan for R00 service requirements to be created in SA WG1:
 - a list of services/service capabilities is created and presented to TSG SA as a continuous exercise.
This was endorsed by TSG SA.
- 2) a plan for R00 architecture issues to be created in SA WG2:
 - Plan and identify the necessary work to specify an "all-IP" UMTS network
 - Ensure the new (R00 and beyond) and existing (R99 and before) services/capabilities are supported by this architecture
 - Ensure an evolution plan with sufficient backward compatibility
This was endorsed by TSG SA.
- 3) a list of work items is created:
 - to be maintained by the support team.
This was endorsed by TSG SA.

Companies were asked to contribute to the respective groups, to allow the two plans and the list of work items to be created for 3GPP SA meeting #5. Contributions for Work Items should be sent to SA WG1 who will co-ordinate with SMG1 to ensure there are no conflicts.

It was noted that these plans need to take service and evolution requirements into account.

TSG SA confirmed that the target date for Release 2000 completion is December 2000. It was stressed that it was important that this activity not lead to a delay in the work for Release 1999.

6.8 Other issues

Document SP-99332 (replaces SP-99243). "Use of the TDD mode in the paired bands". This contribution proposes that the possibility to use TDD should explicitly be foreseen in all UMTS bands and that this provision be incorporated in the text of the specifications as appropriate.

It is the wish of TSG SA that the system will be as flexible as feasible for allocation of channel rasters and access mode (FDD/TDD), in order to be able to take future developments into account (e.g. additional Spectrum availability). Furthermore, TSG SA noted that this proposal should be dealt with in TSG RAN to determine the technical feasibility and impact (e.g. cost) of the proposal.

Interested parties are invited to contribute to TSG RAN.

8 Project support

Document SP-99266 3GPP Support team Specification related activities report.

Mr. I. Doig, 3GPP Support Team, reported on the support activities and issues.

Meetings: WG meetings should not be held just before or just after a TSG meeting if Support is needed from the 3GPP Support Team. The support Team need time to prepare for TSG meetings and for the update of specifications after TSG meetings.

Draft specifications for Releases: Not all specifications were received for the April 1999 release, in particular, many of the draft (pre-approval) versions were not transmitted to the Support Team for inclusion. All specifications of the versions available at the close of each TSG Plenary are required.

TSG Chairmen are asked to remind their WG Chairmen to avoid holding meetings just before or just after TSG meetings.

TSGs to reconfirm the requirement for forwarding specifications to the support team after each TSG meeting.

Delegates are reminded that the draft specifications corresponding to the status list after each TSG SA Meeting should be forwarded to the 3GPP Support Team for inclusion in the (June 99) Release directory.

Latest Drafts FTP directory: TSG SA to decide if a latest drafts FTP directory is required. This was suggested in Yokohama. This was Confirmed. Delegates are expected to forward the drafts to the Support Team.

A “latest drafts” directory to be created on the 3GPP FTP server, which will contain drafts updated between TSG meetings. Updated drafts need to be forwarded to the 3GPP Support Team. It should be noted that CRs should be made to the versions in the Release directories (e.g. June 1999 after this meeting) corresponding to the versions given in the status list after the latest TSG SA Meeting.

Document SP-99267 Proposal for 3G and SMG Specification Handling. Mr. I. Doig introduced this contribution which has been presented to TSG T and TSG RAN meetings. This proposes that common GSM and 3GPP specifications are the responsibility of one body to avoid divergence.

TSG SA was asked to approve this proposal, which will also be presented to SMG#29 for approval.

The Change Requests to pre-Release 99 GSM specifications was questioned. It was clarified that the proposal is to sub-contract the work to 3GPP as it is expected that the changes will be error corrections which would usually also need to be done on the equivalent 3G specifications within 3GPP. This would avoid divergence of specifications and improve efficiency for the Support Team and the involved experts, as the CRs will be approved by the same body.

It was clarified that the releases mentioned in the presentation refer to GSM Releases.

After these discussions the proposal was endorsed by TSG SA. It is recognised that the actual specifications to be transferred need to be reviewed and that the result of the SMG#29 decision is awaited before the proposal can be implemented.

Document SP-99292 Report of Mobile Competence Centre activities. Mr. A. Scrase, Head of ETSI MCC, provided a report of the activities of the Mobile Competence Centre (MCC) which includes the 3GPP Support Team resources.

It was asked when the support situation in TSG RAN and it's WGs will be solved. It was explained that within the next two months there will be 2 more support team members. It is thought that another additional person is necessary. It was stressed that if the Members offer the right candidates, then the problems can be quickly fixed.

10 Workplan and future meetings

A summary of the future meeting dates are given below:

TSG	No.	Date	Venue	Host
CN	#5	06-08 October 1999	Korea	TTA
RAN	#5	06-08 October 1999	Korea	TTA
T	#5	07-08 October 1999	Korea	TTA
SA	#5	11-13 October 1999	Korea	TTA
CN	#6	13-15 December 1999	Sophia Antipolis, France	ETSI
RAN	#6	13-15 December 1999	Sophia Antipolis, France	ETSI
T	#6	13-15 December 1999	Sophia Antipolis, France	ETSI
SA	#6	15-17 December 1999	Sophia Antipolis, France	ETSI
CN	#7	13-15 March 2000	Madrid, Spain	Telefonica
RAN	#7	13-15 March 2000	Madrid, Spain	Telefonica
T	#7	13-15 March 2000	Madrid, Spain	Telefonica
SA	#7	15-17 March 2000	Madrid, Spain	Telefonica
CN	#8	05-07 June 2000	Germany (to be confirmed)	Mannesmann
RAN	#8	05-07 June 2000	Germany (to be confirmed)	Mannesmann
T	#8	05-07 June 2000	Germany (to be confirmed)	Mannesmann
SA	#8	07-09 June 2000	Germany (to be confirmed)	Mannesmann
CN	#9	25-27 September 2000		
RAN	#9	25-27 September 2000	Host required	
T	#9	25-27 September 2000		
SA	#9	27-29 September 2000		
CN	#10	11-13 December 2000		
RAN	#10	11-13 December 2000	Host required	
T	#10	11-13 December 2000		
SA	#10	13-15 December 2000		

11 Any other business

Document SP-99282 describing the meeting LAN and how to use it was noted. In addition it was noted that the LAN system seemed to work well and the providers of the equipment were thanked for their support of this.

Use of LAN – there was some concern that delegates will not be permitted to connect to a LAN unless an adequate security level can be provided. This requires investigation. With help of the efficiency for document distribution provided with the LAN a first reply to this concern was provided in

Document SP-99338.

Document SP-99258 containing a press release about the 3G-IP was noted for information.

Document SP-99338 contains a response to the security question on LAN use. The document was noted for information.

Document SP-99323 is a press release from the UMTS Forum on 3G Harmonisation and is presented for information. The document was noted.
