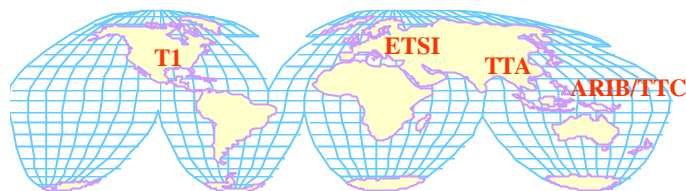


TSG-SA Working Group 1 (Services) meeting #5
Bernried, Starnberger, Germany 27th Sept – 1st Oct 1999

TSG S1 (99) 743

Agenda Item: 3.2



3rd Generation Partners Group

UMTS

REPORT Version 1

TSG_SA_WG1#4 99-4 Plenary Meeting

7th-9th July 1999*
Quebec City, Quebec, Canada

[*** You could argue that the S1 part of the meeting did not start until the 7th]

TSG_SA_WG1 Chairman: Alan Cox
Secretary: Roger Tarazi

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DRAFT REPORT

TITLE: REPORT OF THE 3GPP_TSG_SA_WG1 (Services) Meeting #4 (99-4)

SOURCE: R. TARAZI, Secretary, A K COX, Chairman

S1 (3G)

REPORT

Version: 99-08-13 FRIDAY

1 Executive Summary

The meeting was held in Quebec City, Quebec, Canada. It was kindly hosted TIW and Ericsson and organised by TIW.

The Chairman, Alan Cox opened the S1 Plenary and welcomed delegates from ARIB/TTC (Japan), ETSI (Europe) and T1P1.5 (USA). There was no representative from TTA (Korea). During this plenary, there was only one delegates' list that was maintained for both S1 and SMG1. There were in total, 81 delegates representing 17 Manufacturers (42 Persons), 20 Operators (37 Persons), 1 regulator (1 Person) and one ETSI Standards Body (1 Person). These numbers reflect the overall presence at the 2 plenaries in Quebec City.

This was the last meeting where 3GPP (GSM/3G) would be held alongside the SMG1 Plenary. From S1#5 onwards, 3GPP will include the entirety of the topics belonging to GSM as well as UMTS. This meeting focussed only on 3G matters resulting in:

CHANGE REQUESTS

- ✂✂ 12 Agreed Change Requests affecting 3 Specs (22.100 with 3 CRs, 22.105 with 3 CRs, 22.129 with 6 CRs).
- ✂✂ **CRs on 22.100** affects the organisation of future releases (Tdoc 538), some changes due to terminology (Tdoc 544) and further changes to account for the new specification numbering scheme (Tdoc 382),
- ✂✂ **CRs on 22.105** affect the removal of notes from below the QoS tables since, it was noted that no further modifications were necessary (Tdoc 548), the inclusion of a dynamically variable bit rate between a minimum guaranteed bit rate and a maximum bit rate for some real time applications (Tdoc 547) and the clarification of the terms "shall", "must" and "will", adding some minor editorial changes.(Tdoc 481).
- ✂✂ **CRs on 22.129** adds a clause stating that For R99 there can only be one target PLMN for HO in addition to the serving PLMN for R99 in a given geographical area. (Tdoc 540), adds editorial improvements of definitions and alignment of terminology (Tdoc 533), removes the Project management information from the annex, Tdoc 516, addresses the issue of lost SMS during handover in providing an adequate solution (Tdoc 500), adds a requirement to support subscriber dependent handover based on the outcome of the Handover Workshop held on the 9th and 10th of June 1999 in Sophia Antipolis, France (Tdoc 553) (unavailable electronically) and clarifies whether 'shall' or 'should' mandates either the development of technical standards, the capabilities of the implementation, or both.(Tdoc 541).

LIAISON STATEMENTS

4 Output Liaison Statements covering the following topics have been agreed and sent to their destinations:

- ✂✂ Requirements for all-IP option for release 2000 sent to S2, SMG2, TSG RAN, CN, T, SA, SMG in Tdoc 542
- ✂✂ Role of MExE and SAT within the OSA concept of VHE to T2 and T3 in Tdoc 552
- ✂✂ Principles for the continued work with Terminal Capabilities to T2 in Tdoc 460
- ✂✂ Specification transfer from SMG1 to 3GP to MCC in Tdoc 528

PENDING LIAISONS STATEMENTS AND PROPOSALS

- ✂✂ 11 CRs related to MultiMedia protocol selection, Introduction of IP v4, VHE, Charging aspects, SIM/USIM interoperability and IMSI/IMUI, (See Annex D3),
- ✂✂ 18 Input LS and/or Proposals that are pending further discussions, (See Annex D4),

DELEGATES ARE INVITED TO EXAMINE THESE ANNEXES AND TO TAKE THE APPROPRIATE ACTIONS IN A TIMELY MANNER, PRIOR TO S1#5 - THANKS!

WORK ITEMS

- ?? No new Work Items,
- ?? It was also agreed not to proceed with the feasibility study on MS in protected zone.

SPECIFICATIONS

- Annex A provides a Summary of S1 deliverables - Specifications and Reports, Post S1#4 Plenary in Miami
- Annex E contains a list of SMG Specifications that were transferred to 3GPP.
- Within this report, there are no new Specifications to be presented for approval at the next SA meeting.

WORK ITEMS

Though, there are no new Work Items for approval, the following ones have been discussed:

- Proposed Work Item on Location Services for UMTS. Rapporteur, Jan Kall, Nokia, to insure common service requirements in GSM and UMTS, (Tdoc 422),
- Proposed WI on PIAFS, which is a service well known as the data communication system serviced by PHS in Japan. NTT DoCoMo's requirement is to insure connection between PHS-MS and UMTS-UE as well as between UMTS-UE and existing Terminal Adapters for PIAFS, which are popular services in Japan. (Tdoc 514).

2 Adoption of Agenda

Agenda was adopted. A snapshot of the planned work schedule is as follows:

- Monday AM: Adhocs on Camel, EDGE II
- Monday PM: Start GSM, Review remaining scope of work, Kick off of S1 Meeting with mainly GSM topics...
- Tuesday AM and PM: Continue S1 Matters....
- Wednesday AM: Review SMG Outputs, Continue S1 Matters R99,
- Wednesday PM: Initiate discussions and study contributions on R2000 Service requirements, Prepare for adhocs for Thursday,
- Thursday AM: Start w Adhocs on Multicall, Charging, VHE, other topics...
- Thursday PM: Review Results, Continue S1,
- Friday AM: Review Outputs from meeting and make decisions ...
- Friday PM: Plenary Meeting closes at 13:00 on Friday!

3. Approval of Report of S1#3 held in Hampton Court

Title	
3.1	Report 402 Approved

Report was approved.

4. Reports from TSG SA#3 and other groups

4.1	Report from SA#4 – Miami 403 (Chairman), 519 (SP-99224)
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Tdoc 519 contains the S1 report to SA#4 in Miami.

SA#4 approved S1 deliverables are:

Change Requests: 13 Change Requests affecting 4 Specs (22.00, 22.01, 22.05 and 22.907) and relating to Addressing, Emergency, FAX, Numbering, QoS, Re-Negotiation, Security, SMS while the CR on Handover was rejected. One of the two CRs on QoS has had a minor revision.

Liaison Statements: 13 LS covering the following topics (UE Power, FAX, Bearer Services, Work Transfer, Handover, Security, TE Capabilities, Charging and Service Capabilities).

Specification: TS 22.121 on VHE was approved and passed, therefore, under change control as V3.0.0.

On the practical working relationship level:

Harmonization of both the S1 and the T2 positions with respect to the split of responsibilities relative to the definition of service requirements. T2 assumes the responsibility of Fax, TE Capabilities, SMS and MultiMedia Messaging (MMS).

4.1.0	Report on Mobile Competence Center Activities (MCC)	Adrian Scrase	435
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The support to 3GPP is provided by a 3GPP support team which is an integral part of the ETSI Mobile Competence Centre (MCC) which created in March 1999. Since the support services required by both 3GPP and ETSI SMG are very closely related, MCC now provides the support services required by both of these bodies.

The 3GPP Project Co-ordination Group (PCG) is responsible for the overall management of 3GPP support services and a progress report will be provided to PCG on a quarterly basis. However, the day to day support services provided by MCC are under the technical direction of the TSGs and TSG SA therefore also provides a convenient place for MCC to report.

4.2.0	TSG-T Progress Report		Sang-Keun Park, Samsung, TTA	440 (SP-99280)
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Amongst the 3 Work Groups of the Terminal TSG, it is worthwhile reminding the S1 delegates that T1 deals with Conformance Testing of Terminals, T2 with Services and Capabilities and T3 with the USIM. Most particularly, T2 is responsible of data Services, namely of MExE, FAX, SMS, MMS, Multi-Mode Terminals, Terminal Features and Performance, etc ...

Report was Noted.

4.2	Report from ARIB			
4.3	Report from ETSI			
4.4	Report from TTC			
4.5	Report from TTA			
4.6	Report from GSA			
4.7	Report from UMTS Forum			
4.8	Report ETSI EP-UMTS			

No reports were presented!

4.8.1	Liaison from EP UMTS to EP TIPHON, 3GPP S1 and ETSI NA 2 and NA6			390 (Barbara Reed)
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Noted.

4.9	GSM Association			
4.9.1	Update on the GSM Association			431

Presented

4.9.2	3G Concept Services		SERG	517
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This PRD covers aspects related to Multimedia Services and Applications and wants to compile the operators' wishes. It classifies Services and Applications in terms of Quality of Service, sets up requirements on Application Programming Interfaces and the UMTS Service Platform. It proposes the introduction of a minimum set of services for the roaming scenarios and specifies which GSM services should be supported by UMTS. The following questions related to UMTS Multimedia Services and Applications are covered by this PRD:

- ~~///~~ What are the services and applications important for the user? (see Annex A)
- ~~///~~ What are the Quality of Service requirements on UMTS Services, and which service performance types can be classified?
- ~~///~~ What are the requirements on Application Programming Interfaces, APIs, to allow a wide range of services and applications?
- ~~///~~ What are the requirements on the UMTS Service and Application Platform?
- ~~///~~ What are the potential roaming service scenarios? And what is the minimum set of services defined for UMTS to ensure roaming interoperability
- ~~///~~ This document is being used as a basis for the R2000 discussions.

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LIAISONS RECEIVED, NOT ELSEWHERE ON AGENDA				
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4.10	Operators Harmonisation Group (OHG)			458 (Excerpts from an e-mail from Peter Adams on EFT)
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An excerpt of an e-mail from Peter Adams is provided here just for information:

From: Peter Adams, Delegate from ITU-R TG 8/1 who attended the Beijing meeting.

ITU-R TG 8/1 has endorsed the Operators Harmonisation Group (OHG) as a good thing and something we fully support and agree with. I understand that the 3GPP TSG RAN did the same thing last week.

Harmonisation in the TDD bands is undoubtedly more difficult. However we have managed to get both the UTRA components classified by the OHG and the ITU as W-CDMA systems where progress has been more positive. For the terrestrial case, the five IMT-2000 family members ITU-R TG 8/1 is aiming for are:

1. W-CDMA FDD - Direct Sequence (DS) Mode - Harmonised UTRA / CDMA 2000.
2. W-CDMA FDD - Multi-Carrier (MC) Mode - CDMA 2000 only.
3. W-CDMA TDD - Based on ETSI's hybrid TD-CDMA system (i.e. also strongly linked to UTRA).
4. UWC 136 TDMA system (based on GSM EDGE technology i.e. again an ETSI system).
5. DECT - also clearly an ETSI system (which is TDMA based).

Of course, the Chinese TD-SCDMA system will also have to be merged in with the above.

The fundamental objective remains, of course, to achieve global roaming and interoperability with a sufficiently small number of systems to keep multi-mode terminals down to an acceptable cost (when manufactured in bulk). To achieve this objective, there will need to be some compromises on cost, design and performance. However to achieve the fundamental objective above, many major operators and manufacturers alike have seen the OHG work as a good thing to be encouraged.

Arguably OHG is one of the bodies which is saving 3G from over fragmentation at the moment. The initiative during 1998 to set up 3GPP is clearly another important move in the same direction. Hopefully we are now well on the way to achieving a truly global 3G family of systems. ETSI and its members clearly have an important role to play in all these organisations and I believe many are doing so."

4.11	Feasibility - Prohibited Zone		Chummun Ferrial, Sony	See GSM / 3G Agenda
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After some discussion, S1/SMG1 have decided not to progress this Work Item.

5. Review of Work Packages, Deliverables & Schedules

5.1	UMTS Management			
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5.1.1	UMTS Specs and Reports			404 (All in One-Zip)
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Noted

5.1.2	Global Roadmap for SMG and SA plenary WIs			436
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A preliminary version has been presented at SA#4 by MCC. It is being updated so as to reflect the current status of Work Items.

5.1.3	Spec-Numbering			
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5.1.4	UMTS CR DataBase			
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5.1.5	DRAFT June 99 status list of the 3GPP specifications after TSG SA#4			437 (SA#4) updated in 418 (June 29)
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Noted!

5.1.6	LS with comments on S1 specifications			508 N3-99132
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This is an LS from CN3 commenting the 3G S1 Specifications. Rapporteurs are invited to review CN3's recommendations.

5.1.7	Specification transfer from SMG1 to 3GPP		Tommi Kokkola, Vice Chair S1	528
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Agreed. Please refer to Annex E for list of all SMG specs transferred to 3GPP.

Specifications remaining at SMG1

02.01	Principles of Telecommunication Services Supported by a GSM PLMN
02.03	Teleservices Supported by a GSM PLMN
02.06	Types of Mobile Stations (MS)
02.07	Mobile Station (MS) Features
02.40	Procedures for Call Progress Indications

- 02.56 GSM Cordless Telephony System (CTS) stage 1 description
- 02.63 PDS (Packed Data on Signalling channels); Stage 1 (Note: not to be maintained after rel 98).
- 02.95 Support of Private Numbering Plan (SPNP); Stage 1 (Note: not to be maintained after rel 98).

02-series specification where SMG1 do not have primary responsibility (for information).

- 02.09 Security Aspects (SMG10)
- 02.17 Subscriber Identity Modules, Functional Characteristics (SMG9)
- 02.19 Subscriber Identity Module Application Programming Interface (SIM API); Stage 1 (SMG9)
- 02.31 Fraud Information Gathering System (FIGS), Service description - Stage 1(SMG10)
- 02.32 Immediate Service Termination (IST) stage 1 (SMG10)
- 02.33 Lawful Interception – stage 1 (SMG10)
- 02.48 Security mechanisms for the SIM Application Toolkit (SMG9/10)
- 02.53 Tandem Free Operation (TFO); Stage 1 (SMG11)

5.2	Release 99 Proposal			
5.2.1				

5.3	Plans for Release 2000 (R2000)			
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5.3.0	Proposal for Documentation Scheme for R00		David Cooper, T-Modus	487
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Noted

	Some initial thoughts on the role model in UMTS		Alan Cox	488
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??

5.3.1	Plan for R2000 Service Requirements		SA#4	408 - Reference SP-99257, SP-99263, SP-99264, SP-99268, SP-99283, SP-99309, SP-99218, SP-99219
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Inputs and recommendations included in this contribution are from SA's Chairman. These were presented by S1's Chairman and noted.

5.3.1.1	R2000		Lucent, Paul Carpenter	503
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It is proposed that the requirements documents are held as joint SMG1 / S1 responsibility so that there is a single source of requirements for Release 2000. These should be fulfilled irrespective of whether these are met using an enhanced GSM BSS (e.g. EDGE Phase II) which is the responsibility of SMG or UTRA which is the responsibility of 3GPP. There was a general support of this paper.

5.3.1.2	list to be considered when defining the guidelines for R00 contents.		Telia	412 (SP-99309) 524
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This contribution raises more architectural issues than pure S1 Service requirements, furthermore, David Cheeseman requested that terminology needs further clarifications. Tdoc 524 was reserved so as to contain the WorkShop output on R2000 and should contain a clear classification and prioritization of the service issues.

5.3.1.3	Notes from EDGE Adhoc - SMG1			504 (Same as 1-99-318)
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Noted

5.3.1.3	Support for IP-based services in Release 2000 and EDGE Phase 2		AT&T ,BT, CELT, Ericsson, Lucent, Motorola, Nokia, Nortel Networks, Telecom Italia Mobile, Telenor	413 (SP-99385) (Not on list above)
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This contribution states that a common All-IP architecture is sought for both GSM and UMTS. Chairman added that the GSM component will be addressed in SMG2.

5.3.1.4	Contents and timing of the next release following release 99 – Decision -		AT&T, BT, BCellnet, Ericsson, Intel, Lucent, Motorola, Nokia, Nortel Networks, Siemens, Telenor,	414 (SP-99257)
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		TIM/CSELT	
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Jim Whitehead from AT&T presented this contribution. It underlines the fact that an all-IP based architecture option should evolve from GPRS, within the target scope of Release 00.

This was noted and will be considered as an input to the R2000 Workshop.

5.3.1.5	Liaison Statement: Key Characteristics for Later Phases of UMTS - EP-UMTS		415 (SP-99219)
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Chairman stated that EP_UMTS was charged to look at future phases of UMTS. This paper suggests that the target date for achieving the goals stated in the contribution should be 2005. This implies that the standards should be in place by 2002 or at the latest 2003. Chairman commented in saying that this might be mis-leading and that Smart Antennas will have an impact on manufacturers and not much on the standards...

5.3.1.6	Liaison Statement: Proposals for the next stage of work in 3GPP (i.e. 3GPP release 2000, 2001)	EP-UMTS	416 (SP-99218)
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Horst Rauch raised the issue of IP based core networks addressed in that contribution and requested its author to explain what is meant, by "IP core network" given that IP supports a connectionless mode? Contribution was noted and will be used as an input to the R2000 Workshop.

5.3.1.7	Service requirements for next release – For Action -	France Telecom	417 (SP-99263)
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Summary of discussions:

✂✂3G 22.100 to restrict the requirements to R99

✂✂22 series should include only what is in the standards; i.e. superfluous matters are to be deleted...

✂✂Tdoc 487 was noted (see above)

✂✂FT paper endorsed

ACTION

All Rapporteurs of specs to examine their text to identify text to be deleted permanently or to be treated subsequently for other applications: These are to be saved in informative annexes...

5.3.1.7	R2000	Lucent, Paul Carpenter	503
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The S1 meeting gave a general support to this contribution. In essence, it recommends that a version numbering system similar to that used in SMG to differentiate releases could be adopted, with the current 22.xx series be "upped" in release number to a unique version number. Furthermore, It is proposed that the requirements documents are held as joint SMG1 / S1 responsibility so that there is a single source of requirements for Release 2000. These should be fulfilled irrespective of whether these are met using an enhanced GSM BSS (e.g. EDGE Phase II) which is the responsibility of SMG or UTRA which is the responsibility of 3GPP.

Following the examination of the S1 Tabular report sent immediately following the plenary meeting, Paul Carpenter commented with the following:

"The report states that the Lucent document

(503) received "General Support" and the France Telecom document (417) was "Agreed". Unfortunately these two documents say contradictory things so both statements cannot be true!!

Paul's records of the discussion are as follows;

* *417 proposes a new document similar to 22.100 but for R2000.*

* *503 proposes that we do not have such a document but instead raise the version numbers of the existing 22.xxx series in the manner ETSI has done for identifying different releases.*

The key outcomes as I saw them were:

* *The proposal for raising the version number, received some support, but could not be agreed since we would need to be consistent with other groups. Alan offered to raise this with the MCC and other interested parties. Hopefully this proposal could be accepted following this, but of course this depends upon those discussions.*

* *There was opposition from a number of speakers, I remember at least myself, David Cooper and Erwin Postmann, to having a "new" 22.100 style document.*

* *Alan pointed out however it was useful to have a document that provided a starting point for people outside of S1 to understand our specifications and their organisation. I believe he also said that the regulators found this useful.*

* *It was also agreed that we would not want to duplicate requirements in different documents. (This has been a real problem with 22.100 in my opinion).*

On this basis I understood the agreement to be that there would be a document that would provide an introduction and references to the 22.xxx series but not itself contain requirements since these would be encapsulated elsewhere in the 22.xxx series. Alan suggested that maybe the MCC could be responsible for this, similar to the ETSI work plan documents. I also note that in 417 FT offer to be rapporteur and this would of course also be agreeable.

Are your recollections the same and if so can I ask that the meeting report to reflect the above."

[*** I think I agree with that but you need the views of the others mentioned before we can agree a final text for the minutes – clearly not the text within brackets, but a correction to the present text.]

5.3.1.8	Migration from release 99 to future releases – For Action -		France Telecom	419 (SP-99264)
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Agreed that a study of the feasibility of backward compatibility is made each time a new concept is introduced, but this need not be in a separate document. Moreover, a migration path should be defined if the backward compatibility is not possible.

22.100 for R99

The meeting agreed that cross-phase compatibility is already stated in 22.100

5.3.2	An all-IP 3G Mobile - Architecture			
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5.3.2.1	3G-IP Press Release			410 (Press Release)
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Jim Whitehead read the press release that was issued during the IBC Conference on UMTS in Monte Carlo.

Highlights of his comments are:

- ✂✂ Scope of activities are free standards,
- ✂✂ Participating in 3GPP, IETF,
- ✂✂ 3G-IP is in no way a standards organization,
- ✂✂ 3G-IP is GPRS based,
- ✂✂ All-IP is not to be taken literally, in so far as mobility would be based on GSM MAP, indicated Jim Whitehead.

Contribution was noted with interest,

5.3.2.2	IP, GPRS and 3GPP Release 2000 For discussion		Andy Watson, Motorola	409 (SP-99283)
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This was noted.

In reference to a statement in this contribution, Frank Mueller made the following statement ... "The air interface is not affected therefore spectrum efficiency, regulatory aspects and terminals are not affected." is not accurate.

5.3.2.3	Issues for an all IP based network for R00 – Decision -		Siemens	411 (SP-99268)
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This contribution raises a number of issues related to interoperability between 2G and 3G all IP Networks ... It was also stated that, from a service point of view, we need to offer continuity....

Mr Ishikawa from NTT DoCoMo asked whether we are relying on work done by IETF. Chairman responded that we should not be dependent on IETF for future features so as not to be held back in case of changes ...

Roaming and Billing Transfer protocols should be based on GSM!

5.3.2.4	IP based networks and high level requirements for R00		BT, Wayne Ashwell, Jim Whitehead, AT&T	478
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Contribution outlines a list of R2000 requirements and seeks endorsement on a line item basis. Issue was to attempt to capture the impact of the outlined features on the service requirements.

In the course of the presentation, Jim Whitehead was requested to explain what is meant by "Terminals will include IP-based clients". He committed to bring clarifications on all the points raised relative to his (3) contributions.

It was also noted that this contribution doesn't make any particular reference to existing UMTS Specifications... Jim Whitehead explained that AT&T is in the process of analyzing the UMTS Specifications and it is expected that AT&T would make substantial contributions in this respect.

5.3.2.5	Requirements for an all-IP-Based Network		BT, Wayne Ashwell, Jim Whitehead, AT&T	479
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This paper provides a view of the user and network requirements for the R2000 standards within 3GPP and SMG, with the objective of realizing an all-IP-based architecture encompassing both real-time and non-real-time, existing and innovative services. It is rich in contents! Delegates were invited to study it and to prepare a consolidated view for our next meeting. This is considered as an input document to the process of generation the R2000 Specifications.

5.3.2.6	Architectural approach for an all-IP-Based Network		BT, Wayne Ashwell, Jim Whitehead, AT&T	480
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This contribution gives an overview of an all-IP architectural model, along with a set of high level features. The diagram refers to the GPRS network model. Not all features in R99 will be supported in R2000, though the dominant features will be supported....

Here is a brief highlight of the Working Architectural approach:

1. Network architecture is based upon IP packet technologies for simultaneous real-time and non-real-time services.
2. Network architecture is based upon an evolution of GPRS.
3. Terminals are IP based, and the integration of services is obtained through IP.
4. Network architecture should support personal mobility and interoperability between mobile and fixed networks for both voice and data services.
5. Maintain or improve quality of service levels when compared to today's networks.
6. Maintain or improve network reliability when compared to today's networks.
7. The all-IP network architecture will support a core set of legacy 2G services.
8. All IP interfaces and associated network interfaces should be enhanced to support real-time multimedia services.
9. Network architecture will provide a separation of service control from call/connection control.
10. Network architecture will replace SS7 transport with IP.
11. Network architecture will be independent of network transport layers of Layer 1 (L1) and Layer 2 (L2).

5.3.2.7	CONCLUSIONS			
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Some of the highlights of the discussions related to R2000 / All IP contributions on service requirements:

- ✂✂ S1 supports the general principles outlined in R2000 contributions,
- ✂✂ S1 needs to identify the features outlined in the 22 series and not included in R99 and decide whether we ought to have them for R2000 or for a later release or they need to be dropped,
- ✂✂ Rapporteurs are tasked to study the impact of these requirements on their specifications and come with proposals,
- ✂✂ Proposals are to be brought in the form of CRs or an outline of a change request,
- ✂✂ S2 has a role of allocating tasks and co-ordinating the All-IP project scheduling process,
- ✂✂ S2, SMG2, TSG RAN Chairmen - A suggestion was formulated for them to get together and make their suggestion on how to handle the overall process,
- ✂✂ Rapporteurs are invited to bring their contributions to our next meeting in Munich,
- ✂✂ Draft LS to other groups as outlined in the next section,
- ✂✂ R2000 Services Specifications to be completed by December 1999

	Proposed Liaison statement concerning requirements for all-IP option for release 2000			526 (LS to x,y,x on R2000) >> 542 to S2,SMG2,RAN,copy to:CN,T,SA#5,SMG#30 To: SMG2, SMG12, SMG, 3GPP SA, 3GPP CN, TSG RAN AGREED LS
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Tdoc 542 (a revision of Tdoc 526) is an output LS to S2, SMG2, TSG RAN CC: TSG CN, TSG T, TSG SA, SMG. It states that contributions presented during this meeting incorporate the requirements for 3GPP release 2000. These should result in a common set of requirements for release 2000 irrespective of the used radio access technology (UTRAN, EDGE phase II,...). For this purpose, SMG1/S1 proposes a joint meeting between these different entities to discuss possible requirements and the impacts in the area of services, architecture and radio access for applications and services to be provided in an "all-IP" network under responsibility of S2. This meeting could also be used to synchronise the time plans between S1, S2, SMG2 and TSG RAN. The aim of this meeting would be to refine the preliminary S1 service requirements as well as to identify corresponding architecture and radio requirements. Additionally a work plan and a proposal for the work co-ordination should be

discussed. In accordance with the decision of SA#4 this common work plan could then be presented to the SA #5 meeting. Given that S2 has the responsibility of co-ordinating the work between the different WGs, S1 proposes that S2 take the lead of the overall co-ordination of this activity.

Highlight on meeting dates:

All-IP Workshop: 27-28, September, 1999
 S1 Meeting: 29 Sep - 1 October, 1999
 S1/SMG1 meeting 29 Nov - 3 Dec, 1999

5.4	Progress on existing WIs and Proposals for new Work Items			
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5.4.0	UMTS Release 99 – Cross reference of requirements and what should be available		Barbara Reed	534
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Endorsed - e-mail discussions. Input to Next meeting

5.4.1	GSM to UMTS Evolution	GSM Specs	Tommi Kokkola, Nokia	127 (S1#2)
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5.4.2	UMTS Interworking with ANSI-41 networks	TTA Specs	Xxxx , TTA	299 (SP-99187) Approved
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To note that the e-mail discussion list for this topic is: S1_ANSI-41

5.4.3	22.00 UMTS Phase 1	22.00	David Verrier, FT	129 (S1#2)
5.4.4	UMTS Services	22.01	Paul Dwyer, Vodafone	130 (S1#2)
5.4.5	UMTS Services and Service capabilities	22.05	Wayne Ashwell, BT	131 (S1#2)
5.4.6	Charging and Accounting	22.15	Emanuele Montegrosso, TIM	132 (S1#2)
5.4.7	Virtual Home Environment	22.21	Jumoke Ogunbekun, Fujitsu	133 (S1#2)
5.4.8	Quality of Service	22.25	Olle Eriksson, Ericsson	134 (S1#2)
5.4.9	Handover GSM<->UMTS	22.29	David Cooper, NEC	135 (S1#2)
5.4.10	Advanced Addressing	22.75	Stephan Kleier, MMO	136 (S1#2)

Above list of Work Items were outlined here only for information and were not affected by any modification.

5.4.11	Draft Proposed WI for Terminal capabilities		David Cooper, NEC	166 (S1#2)
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It is T2's responsibility.

5.4.12	Proposed WID on multicall		Jumoke Ogunbekun	276 Approved
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No changes!

5.4.13	Proposed Work Item on Location Services for UMTS (LCS)		Rapporteur: Jan Käll, Nokia Alcatel, Ericsson, Lucent, Motorola, Nokia, Nortel Networks, Siemens	422 (SP-99327)
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SA endorsed WI on LCS

☞☞S1 should be studying LCS for UMTS,

☞☞Insure commonality with GSM approach on the service requirements level. Verify if these need to be changed.

GSM 22.071 has been approved.

ACTION: Jan Käll, to determine suitability of GSM LCS to UMTS.

5.4.13.1	To Those Interested in Location Services:....		The NORTH AMERICAN INTEREST GROUP	424
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Noted -This should have been in the GSM Section!

5.4.13.2	Location Based Services - Service		The NORTH AMERICAN	423
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Requirements Document of the Services Working Group	INTEREST GROUP of the GSM MoU ASSOCIATION
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Noted as contribution from GSM NA.

Refer to 1-99-[305](#) in SMG1 Directory: Initial document on a Stage 1 specification on Location Services in UMTS, presented by Tommi Kokkola.

✂✂ Jan Kall, Nokia, Finland, to determine if Stage 1 is common between SMG1 and S1. This would be the goal to have a common stage 1. Expected input by the next S1 meeting in Munich in September 1999.

✂✂ Approach Agreed by S1

5.4.14	Work Item creation on WAP WAE/SIM Toolkit interworking			1-99- 264 (From SMG1/3G Agenda)
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It was addressed earlier in the smg1 session.

5.4.15	Proposed Work Item Description for Circuit Switched Bearers in UMTS			512 N3-99151
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Noted

6. UMTS Phase 1 Approved Specifications & Reports

	TITLE	UMTS	WI Rapporteur	Tdoc
6.1 UMTS Phase 1 Specification		S22.100v3.3.0 Draft	David Verrier, France Telecom	461 (Updated Post-SA#4)

This is the latest 22.100 spec as output from SA#4, with applied CRs.

6.1.1 Emergency				
6.1.1.1	LS to TSG-SA on Emergency Numbers		SERG – GSM Association	430 (SERG Doc 89/99)

Noted

6.1.1.2	Proposal for Emergency Call		Katsuya Kawamura, NTT Docomo	483 CR
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Tdoc 483 is agreed.

ACTION: Paul Dwyer to draft a CR to 22.101 on the Emergency Call topic for next meeting.

6.1.1.3	Emergency numbers in Korea - <i>It proposes to store 119 in the ME</i>		Sangyong Kang, Korea Telecom TNL	501 Agreed
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Contribution was agreed - Paul Dwyer was tasked to include 119 in above CR referenced in Tdoc 483.

6.1.2 NT FAX				
6.1.2.1	FAX Services=			507 N3-99126 to S1, cc T2

Experts were invited to discuss the issue raised in this contribution between S1, T2, N3. N3 and NTT DoCoMo need to reach an agreement on a mutually satisfactory solution for the fax.

ACTION: NTT DoCoMo was invited to contact their colleagues in T2 and N3 and communicate to S1 their response or to make a further proposal in a draft CR for S1 to consider by correspondence or at the next S1 meeting.

6.1.3 Security				
6.1.3.1	Inclusion of the new security mechanisms in Release 99			449 (SP-99265)

Document SP-99265 – “Inclusion of the new security mechanisms in Release 99” was introduced by Remi Thomas (France Telecom). TSG SA agreed with the Service requirements outlined in this Contribution, as these corresponded to the current thinking. SA3 Vice Chairman indicated that it is expected that this work can be done with no impact on the Core Network.

It was pointed out that the securing of Terminal Identities (IMEI Security) needs to be improved in order to allow these security features to be useful.

The reply to SA WG3 was that the Terminal Security is thought to be important by TSG SA and the security of the IMEI requires investigation.

SA WG3 will ask for progress reports from ETSI SAGE on the progress of the Algorithm work.

It was noted.

6.1.3.2	Clarification on the security requirement "USIM-Terminal lock"		456 (T3-99180) T3 USIM to S1, S3
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ACTION:

Paul Dwyer was actioned to study it and draft a reply to T3 and S3 on the subject and if necessary prepare a CR to 22.022 and to 22.101. He will also indicate if it is tagged for R99 or 2000? S1 will review it first for e-mail agreement .

GSM 02.22 Rapporteur is Romain Durand from Alcatel.

6.1.3.3	3G IMEI Security Requirements	Josef Laumen, Bosch	502
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Security requirements have been removed from 22.101 and referred entirely to S3 (Security Group). Chairman proposes to endorse this document, in principle, and refers back to S3. Chairman of SA recommended that security be provided. Contribution was noted.

6.1.4 Terminology			
6.1.4.1	TS 22.100 – Done on old Version – Needs to be updated	Withdraw >>>>	452 (Jean Paul Calaire review of 455) 455 (Tommi Kakkola) 513 Ferrial CR 22100 A updated in 544 CR 2100Axxx Editorial changes related to terminology AGREED

"Established bearers services shall not prevent the creation of new bearer services" Tommi was tasked to identify an alternative to the word "creation". That word was replaced by "set-up". The revised CR in Tdoc [544](#) was agreed.

6.1.4.2	Vocabulary for the UTRAN (UMTS 25.xx version 0.1.3) based on TG8/1		453
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Highlight of discussions:

- ☞☞S1 to drive the process so as to insure the use of consistent terminology between 3GPP and ITU
- ☞☞S1 to define what terminology to use for Terminals with a SIM and Terminals without a SIM
- ☞☞Contribution was noted!

6.1.4.3	Revised Terms of Reference and consistency of terminology across TSGs		454 (From SA)
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Highlight of discussions:

- ☞☞USIM: Universal Subscriber Identity Module
- ☞☞Specifications and Reports need to be aligned where necessary.
- ☞☞use of terms "User", "User Equipment", "Terminal" and "Terminal Equipment" needs to be examined in the TSG Terms of Reference and 3GPP specifications.
- ☞☞Proposal for TSG SA to appoint a group to examine the definitions given in 3G Vocabulary documents (e.g. 25.990 "UTRAN Vocabulary") and create an overall Vocabulary/Terminology document containing the agreed abbreviations and definitions to be used in 3GPP specifications.

Conclusions:

Above contribution was endorsed by S1

ACTION:

David Cooper was appointed as Rapporteur to Vocabulary, reporting to MCC.

6.1.4.4	Definitions, symbols and abbreviations in 22.101 <<< NOTE (Kept here for consistency sake)			406 (Chummun Ferrial)
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ACTION:

Paul Dwyer and David Cooper have been tasked to study the proposal and to prepare a CR to 22.101.

6.1.5 Editorial Changes			Rapporteur, Jean-Paul Gallaire	
6.1.5.1	Clarification of "shall" and "mandatory"		22100Axxx	446 was withdrawn

6.1.5.2	Editorial changes to account for new specification numbering scheme		22100Axxx	382 Agreed
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Agreed CR

6.1.6 Other CRs				
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6.1.6.1	To propose the organisation of standardisation for future releases.		22100Axxx	383 updated in 538 CR 22100 Axxx Agreed
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CR was discussed, updated in Tdoc 538 and agreed, reflecting decisions taken concerning Page 8 line 15 .. No need to see it again.

6.1.7 IWF for UMTS R'99 - PHS Internet Access Forum Standard				
	The feasibility of the provision of PIAFS in UMTS			510 N3-99150 To S1, N1, T2

NTT DoCoMo was invited to study this proposed service requirement, ASAP, if it is for R99 or at a later date if it is tagged for R2000.

ACTION:

Mr Ishika, NT DOCOMO, has proposed to study this proposal and report back to S1.

	Proposed Work Item description for the support of PIAFS in UMTS			514 _N3-99149
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Included within Tdoc 510.

6.2 Service principles	S22.101v3.6.0	Paul Dwyer, Vodafone	462
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Noted

6.2.1 Editorial Changes			
6.2.1.1	Proposed Editorial changes to 22.101 – <i>This was done on an older release!</i>		Paul Dwyer 445 (Superseded)

6.2.1.2	Editorial changes - Proposed Changes -		Paul Dwyer 494 >> 545 (PENDING)
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Agreed

ACTION:

Paul Dwyer was tasked to generate a CR in Tdoc 545, based on the proposed modifications in Tdoc 494 (22.101) taking into account the following:

- Remove references to 22925,
- Delete section 8,
- S3 to be consulted,
- Make available before S1 meeting in September

6.2.2 SIM – USIM Interworking			
6.2.2.1	Response to the TSG-SA LS on the usage of GSM-only SIM Cards for 3G access		447 (From SMG2 to TSG SA, TSG-CN/SMG3) 2-99-765

Guidance from SA is in Tdoc [403](#).

In summary:

- ✂✂ It was decided that it is a requirement and S1 are asked to add this to the service description.
- ✂✂ The following principles were agreed by TSG SA:
- ✂✂ To aim for as much backward compatibility as possible,
- ✂✂ For dual mode operation, we need to ensure that new developments are compatible with existing equipment,
- ✂✂ Possible to insert a (2G) SIM into a 3G terminal and access a 3G system (if operator allows access).
- ✂✂ Possible to have a USIM card which can be inserted into a 2G terminal.

Tdoc 447 was noted

6.2.2.2	LS to 3GPP TSG-SA on the use of SIMs in 3G mobiles		448 (From SERG)
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Noted

6.2.2.3	Dual mode USIM		451 (S4-99242, Bouyges Telecom)
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Noted

6.2.2.4	CR to clarify the usage of SIM and USIM	Horst Rauch, T-Mobil	495 CR 22101 Axxx revised in 546 postponed
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Reasons for change in Tdoc 546 are:

- ✂✂ Clarification in figure 3 in TS 22.101, example of a multifunction UICC including a SIM-application to access 2G GSM systems.
- ✂✂ Correction of figure 4, roaming users, due to the directory structure of a 2G terminal cannot address a USIM application on a UICC.

NTT DoCoMo wants to have roaming to GSM networks without an increase in cost.... Features introduced are Mandatory.

It was further stated that USIM is to act totally as a SIM card in a GSM phone and Network. Operators can already implement it. Issue raised on what happens in the mixed cases:

- ✂✂ Dual Mode GSM / UMTS (USIM has to contain the SIM function)
- ✂✂ Single mode GSM or UMTS
- ✂✂ ...

It was felt that more time was needed to agree this issue and it will be tackled at the next meeting of S1.

6.2.2.5	IMSI equals IMUI	Horst Rauch, t-Mobil	550
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In TSG 22.110 a new number was introduced to identify a UMTS user based on the ITU-T numbering scheme E.212. Up to now no additional functionality for the IMUI is defined compared to the IMSI. We propose to indicate in TSG22.101 that the IMUI and IMSI are identical.

This was agreed in principle -

ACTION: Horst Rauch
A CR to 22.101 is to be prepared for next S1 meeting to indicate that IMSI is equivalent to IMUI.

6.2.3 USIM in UICC			
6.2.3.1	on multiple USIMs in a UICC		457 (T3-99154) Aimed to 22.101

Highlights of discussions:

- ✂✂ Do we want to support multiple USIMs on UICC?
- ✂✂ If kept for R99, we need to provide answers....

☞☞ S.Kleier stated that it is possible to have multiple SIMs over a single IC

ACTION: Paul Dwyer

At next S1 meeting, Paul was tasked to prepare a CR to 22.101. Issue to be discussed via e-mail prior to next meeting and an LS is to be prepared.

6.3 Services and Service Capabilities		S22.105v3.5.0	Wayne Ashwell, BT	463 New – Updated Post-SA#4
6.3.1	QoS			520 (QoS Comments to CR A013r2 Jeremy Fuller) LS Prop changes to 22.105 529 CR 22105 Axxx Introducing dynamically variable bit rates. 543 CR on 22.105 (Pending)

Tdoc 520 gives guidance on why the CR should be approved. It was noted.

Tdoc [529](#) CR is Agreed. This is replaced by Tdoc [547](#)

Tdoc 543 (Wayne Ashwell) CR to remove notes below tables has been agreed in the CR in Tdoc [548](#).

6.3.1.1	Liaison statement to TSG SA WG2 on Information attributes for packet switched bearer services			443 (T2-99598)
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S1 believes that Tdoc 443 has already been addressed by the approved CR (in Miami) on 22.105.

ACTION: Wayne Ashwell

To talk to chairman of T2. Information they have asked for is what we believe we have presented on QoS in Latest version of 22.105, in which case, it will not be necessary to respond.

6.3.1.2	performance and quality of service (QoS) requirements for international mobile telecommunications-2000 (IMT-2000)			444
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All delegates were invited to study this specification and to identify any incompatibilities.

ACTION: Wayne Ashwell

Wayne was particularly tasked to verify this report and prepare a contribution for the next S1 Meeting in Munich.

6.3.1.3	Proposed changes to Chapter 5 "Application Groups"		Tomas Wierlemann, t-mobil	425
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This contribution proposes to clarify Chapter 5 addressing the Application Groups. This was debated at length. In conclusion, following Jeremy Fuller's suggestion, it was agreed to leave the document as it is and the meeting did not accept the proposed change.

6.3.1.4	Editorial Changes		Wayne Ashwell	481 (Wayne Ashwell) CR
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CR was Agreed.

ACTION: Wayne Ashwell

Separate change concerning 'ME, MS' that will affect the diagram. To prepare for next S1 meeting.

6.3.1.5	Address Translation		Katsuya Kawamura	485 549 CR to be prep by Wayne Ashwell to add IPv4
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This contribution from NTT DoCoMo, presented by Mr Kobayashi states that the IP address for packet communication in 3GPP should be clarified. Conclusions reached are:

☞☞ IPv4 should be in the scope of Phase1 Release99

☞☞ Usage of Broadcast Address should be operator dependent.

☞☞ Support the IP Multicast needs further study.

ACTION: Wayne Ashwell

Draft a CR in Tdoc 549 to include IP v4 and to study remaining NTT DoCoMo requirements in Tdoc 485.

6.3.1.6	Bearer Modification without pre- notification			505 N3-99137 to N1, S1, cc S4
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notification			
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ACTIONS: Wayne Ashwell

Concerned S1 delegates are invited to discuss the matter with colleagues in N1 and N3 to clarify the issues indicating that this is likely to affect 22.105 Service requirementsRather than writing an LS, it is better to have 'one to one' discussions.

E-mail debate is to be started on the subject..

6.3.1.7	Current status on its work on CS data services.			506 N3-99147 to: TSG-S1, S2, R2, R3, N1, CC: TSG-S4, N2, T2
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Noted

See next section!

6.3.1.8	Report of CN3 workshop on CS Data Services in UMTS			511 (Report from CN3)
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Ref to 367 Wayne & Tommi to study and check no contradiction

ACTION: Wayne Ashwell and Tommi Kokkola

To study Tdocs [367](#), [506](#) and [511](#) and to insure that there are no contradictions.

6.4 Service Aspects of Charging and Billing	S22.115V3.1.0	Emanuele Montegrosso, TIM	464 (CRs Approved at SA#3 Yokohama)
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Noted

6.4.1	Clarify the usage of "Shall" and "Mandatory" - Proposed Changes			428 (To be prepared in CR) Duplicates
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6.4.2	Clarification of the mandatory features, Definition of location information for call detail records	CR 22115A004		429 (CR) Duplicates
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6.4.3	Clear identification of the mandatory/optional features of UMTS standard and state if the feature may not be supported by UMTS release '99.	CR 22115A005	Emanuele Montegrosso	407 CR 22115 Axxx
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Highlight of conclusions:

✂✂ "Packet Data call" to be changed to "session"

✂✂ Part of task of deciding what is mandatory or optional is done by the GSM association and part by S1,

✂✂ Re-submit this contribution to the next S1#5 in Munich

6.5 Virtual Home Environment	22.121 V3.0.0	Jumoke Ogunbekun, Fujitsu	465 (Approved at SA#4)
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Noted

6.5.1	Report on Status of VHE stage1 (22.121)			420 (VHE Adhoc)
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Noted

6.5.1.0	Minutes on VHE Adhoc in Quebec City		Jumoke Ogunbekun	530
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Noted.

6.5.2	To clarify the role of the service capability features and their interactions with service capabilities and applications	CR 22121Axxx	Jean-Paul Gallaire	421
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6.5.3	The functionality of VHE		NTT DoCoMo, Katsuya Kawamura	482 not available electronically
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6.5.4	Generic Service Capability Feature (CR)		Jean-Paul Gallaire, FT	521 CR 22121Axxx moved it from 517 to 524
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Changes were suggested to section 7, 8, and 10. Changes to section 7 and 8 were withdrawn after discussion but will be re-introduced in R00 discussion, as thought was more relevant there.

The only change kept with modification was changes to section 10 on framework, the introduced text with modification will move to section on Non-framework.

CR in Tdoc 521 needs, therefore, to be revised. ***** JP GALLAIRE ** Please correct!

	CR on Figure 1 VHE Role		Erwin van Rijssen, Ericsson	525
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This was debated in the VHE adhoc. It was recommended to ensure that Figure1 (showing the "VHE role model") matches with the text in the paragraph below Figure1 and to Leave the diagram as it is, but the title is to be changed to: "Service Provisioning from user's point of view".

6.5.5	Charging capabilities		JP Gallaire, E.Montegrosso	535 CR 22121Axxx
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Wayne raised an issue of inconsistency between the CR and the VHE report. *** JP Gallaire to complete

To be sent on e-mail discussion, Guidance for Jean Paul Gallaire.

6.5.6	QoS Negotiation		JP Gallaire,	536 CR 22121 Axxx revised in 551 by August 13, 99
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On Service capability negotiation...

ACTION: JP GALLAIRE - By August 13, 1999
S1-99 [536](#) to be updated in S1-99 551
To be sent on e-mail discussion

6.5.7	UMTS Phase 1 future releases		JP Gallaire,	537 CR 22121 Axxx
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ACTION: Jean-Paul Gallaire
Tdoc 537 Contribution on UMTS Phase 1 future releases, has been provided an extended approval period until end of August.

Chairman stated that we must start collecting what the changes are and what the functions are for R2000.

Guidance from MCC on the presentation is solicited.

It is vital to have generic guidelines across all the projects....

6.5.8	CR to align definitions of Service Capabilities and Service capability features - Align 22.105 with VHE		Jumoke Ogunbekun	531 CR 22105Axxx
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The purpose of this CR is to align service capabilities and service capability features definitions in 22.105 with definitions in VHE specification 22.121 .

This was reviewed by VHE Sub-group. Siemens (E. Postmann) as well as Nokia (T. Kokkola) fully support this CR.

ACTION:
~~Conditionally agreed~~ Delegates were requested, if they have issues to raise, to do so within 2 weeks.

Chairman stated that it seems likely that it is good, but it should be part of a package. This needs to be studied at our next meeting in S1#5. Contribution has neither been agreed nor rejected. We need more time to study it. Potential consequential changes would need to be examined.

6.5.9	Draft LS to TSG T2 / T3		(Manfred Leitgeb)	552
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Agreed LS

6.6 Handover requirements between UMTS and GSM or other radio systems	22.129 V3.0.0	David Cooper, NEC	466 (Specification) 532 Report from Adhoc on Handover
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S1 is asked to continue discussion on user-control of handover networks. GSM Association are looking at charging and input can be expected from them.

Tdoc 466 was noted as well as Tdocs 498, 432, 476, 499, 539, 477, 489, 490, 515, 518.

6.6.0	Report (ppt) to S1 on: ad-hoc on Handover and Cell Selection, (Sophia Antipolis, 9/10 June 99)	David Cooper	492 (ppt)
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This was presented by David Copper.

CR on HandOver was postponed from last plenary: Operators selecting the target network for HO has not been accepted by SA since, it was stated, one cannot handover to a network you do not have a roaming agreement with.

At next plenary, s1#5, a new CR will incorporate conclusions.

Tdoc 492 (From Handover adhoc)

Chairmen simply went through the presentation to show the output from HO and Cell reselection ad hoc in Sophia Antipolis. This presentation contains key decisions from meeting. Chairmen noted that there are some work items for S1, (i.e. definition of terms "Radio Access Network and review cell reselection requirements. Chairmen asked if there were any further fax requirements (see presentation slide). There was no response so it was agreed there were not.

Horst Rauch (T-Mobil) commented that we have not discussed ANSI-41 roaming and HO requirements.

Chairmen agreed that we are not aware of requirements for ANSI-41.

Paul Dwyer (Vodafone) asked what 1-1 and 1-many relationship meant. Chairmen clarified this point further.

Erwin Postmann (Siemens AG) asked if "Roaming is not a prerequisite for ho..." was a conclusion of the ad-hoc workshop. Chairman replied that this was a conclusion.

Mika Tolvanen asked if the user has total control of the access network to be used and how for example would a video call be dealt with. Chairmen said that the operator would define which network is used for given service and it is therefore within the operator's control.

	Report from Workshop on HandOver: All contributions from Workshop on Handover - For Information !		498 (Report from WorkShop on HandOver) 496 (A Zip File) / Background Information
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From Handover adhoc report:

Tdoc 498

Chairman stated there was no need not go through the entire document, rather note the conclusions.

Conclusion: Noted.

Tdoc 496

Conclusion: Noted.

6.6.1	Interoperation between UMTS and GSM		432 (Not addressed to S1 – Provided Solely for Information) S3 > S2, T3
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Tdoc 432

Conclusion: No-one in the meeting appeared to be aware of this document, so it was simply noted.

6.6.2	Implications of GSM-UTRAN handover and GSM access on the USIM		433 (T3-99158) T3 > S1, S2, T2
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The following alternatives were identified:

✂✂ The handover/access is achieved with a pure USIM (i.e. the necessary identities, parameters and algorithms available in the USIM are sufficient for GSM access);

✂✂ additional GSM identities and algorithms (e.g the GSM IMSI) are to be embedded in the USIM;

✂✂ a complete GSM application is present in the card (which would mean a dual-mode card).

TSG-T3 seeks guidance on which of the above alternatives applies. Since the resolution of this issue is crucial for the progress of TSG-T3, a timely response would be appreciated.

Tdoc 433

Conclusion: SA Plenary decision may have superseded this document already, so noted.

6.6.3	DRAFT Report of the Workshop on Handover and Cell Selection			434
6.6.4	Modification of handover related subjects CR on 22.129		Pierre Truong, Ericsson	476 CR 22129 A 499 (Potential CR on TS 22.129 V.3.0.0) Replaced by 539 see below! > and to be further updated in 553
	CR on TS 22.129 V3.0.0		Pierre Truong, Ericsson	539 CR 22129 Axxx

This CR proposes additional requirements to support subscriber dependent handover based on the outcome of the Handover Workshop held on the 9th and 10th of June 1999 in Sophia Antipolis, France. David Cooper proposes to agree it with the amendment that it is not for R99. Chairman stated that it is important to include the appropriate hooks so as to accommodate this feature, possibly for R2000. Meanwhile, this requirement should remain internal to S1.

ACTION: David Cooper
Keep contribution in Tdoc [539](#) as a potential candidate for R2000 and insure that S2 include the appropriate hooks in R1999 so as to accommodate this feature in a later release. This is to be updated in Tdoc **553** to include some of the arguments discussed.

Tdocs 476 and 518

476 Presented by Pierre Truong (Ericsson).

518 presented by David Cooper (NEC/Telecom Modus). (*From Section 6.6.11 below*)

The word "PLMN" used in 476 was preferred to term "network" used in 518 and was agreed by the group. Therefore "PLMN" will be used as opposed to "network".

Action: David Cooper
A new CR will be created by David Cooper (NEC/Telecom Modus) to merge 476 and 518 in Tdoc **mmm** (tbd).

Erwin Postmann (Siemens) noted that the term PLMN should not be defined in this document, but rather 22.100. Therefore a full definition of a PLMN will be removed from 22.129 except that it will noted that one PLMN refers to a network with one MCC/MNC.

Pierre stated that the definition of handover in 518 should not contain the wording in bold below;
*Handover: The process in which the radio access network changes the radio transmitters or radio access mode used to provide the bearer services, **while providing a bearer QoS which is well defined before, during and after the process.** Note: although bearer QoS is well defined at all times, it is envisaged that on occasion different QoS may be provided during, before and after the process.*

Chairman disagreed and stated that QoS may change in a defined way rather than an uncontrolled manner and therefore QoS will be defined.

Paul Dwyer (Vodafone) also stated that QoS might not be known after HO.

The wording in bold below will also be added to ho definition to include the word "UTRA" and "radio system";
Handover: The process in which the radio access network changes the radio transmitters, UTRA radio access mode or radio system used to provide the bearer services, while providing a bearer QoS which is well defined before, during and after the process. Note: although bearer QoS is well defined at all times, it is envisaged that on occasion different QoS may be provided during, before and after the process.

In Tdoc 476 the new table in section 4 was objected to by Erwin Postmann (Siemens) on the basis that it was misleading and possibly incorrect. The ability to ho between multi-system and single systems is required and therefore the table will be removed and replaced by some new text.

There was some discussion about the following bullet point and whether you could ho to networks where you have no roaming agreements between two networks. It was suggested by Pierre Truong that the text below should be deleted.

the ability to check with the home network whether the user is permitted to handover from the visited network to a target network;

Paul Dwyer (Vodafone) and Erwin Postmann (Siemens) both objected to the text being deleted from 22.129 and would prefer to see this.

The following text in 476 was also discussed at some length.

3. enable handover from a serving/visited PLMN to a target PLMN regardless of roaming/commercial agreements and without re-authentication.

Conclusion: Point 3 in 476 is rejected.

Section 5.1 and 5.2 in 518 is accepted.

Inter-system handover definition is to be cleaned up by rapporteur.

Also in 518 all reference to “radio access mode” will be changed to “UTRA radio access mode”.

Tdoc 499

There was some discussion about whether this was required/desirable or included in the standards. The comment was made that this was a new requirement.

Conclusion: The document will be rephrased to say:

ACTION: Pierre Truong to revise Tdoc 499
 Means shall be defined which enable inter-PLMN HO based on a subscriber preferred PLMN list.

6.6.5	Modification of handover related subjects CR on 22.101	Pierre Truong	477 CR 22101 A
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This was rejected based on previous contributions and discussions.

6.6.6	Clarification of the scope of mandatory requirements SMS handover requirement clarification	David Cooper	489 CR 22129 Revised in 541 Agreed 500 CR 22129 A (Pierre Truong)
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Tdocs 489 is a CR clarifying the scope of mandatory requirements. It was debated and finally agreed and revised in Tdoc 541 to include the following text:

Consideration must be given to multimedia services, which may involve the use of multiple bearer services. For example Class A GPRS terminals will be capable of simultaneously supporting more than one bearer services. The mapping between GSM/GPRS data bearer services and UMTS bearer services will depend upon many factors such as data rate, delay constraints, error rate etc. Means shall be defined to allow handover of several data bearer services from GSM to UMTS. Means shall be defined for the application(s) to indicate minimum acceptable QoS for services continuation after handover.

Tdoc 500 Clean up CR to handover spec was agreed.

6.6.7	Clean-up of terminology	David Cooper	490 CR 22129 A replaced in nnn (tbd)
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Tdoc 490 was agreed with modifications in Tdoc xxx

ACTION: David Cooper
 CR in Tdoc 490 - All references to “Network” will be replaced with “PLMN” and the following bullet will be left unchanged and replaced with: continuity of an active call across the handover procedure, where this would be possible for intra-operator handover;
 All reference numbers in 22.129 are to be checked.

6.6.8	Editorial improvements of definitions and alignment of terminology.	David Cooper	491 CR 22129 A replaced in 533
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Agreed

6.6.9	Network selectivity on handover.	David Cooper	515 CR 22129 A
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CR was rejected.

6.6.10	Removal of out-of-date appendix.		516 CR 22129 A
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The information in TS 22.129 Annex 6 is of a project management nature and its removal has been agreed.

ACTION: David Cooper

It has also been recommended to prepare an LS to S2 suggesting to them to initiate a project-planning document that will capture requirements not described elsewhere. (Ref Tdoc 516 - removal of Appendix)

6.6.11	Editorial improvements of definitions and alignment of terminology.			518 CR 22129 A
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See Tdoc 476 in section 6.6.4

6.6.13	Revised Terminology to 22.129		David Cooper	533 Agreed
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Agreed

6.6.14	HO Principles R99		David Cooper	540 Agreed
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Agreed

6.6.15	Revision of 489		David Cooper	541 Agreed
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Use of shall and mandatory.

6.7 Mobile Multi-Media, Internet and intranet		R22.960	Thomas Ahnberg	
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6.8 Automatic Establishment of Roaming Relations		R22.971	David Chambers	
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6.9 Advanced Addressing		R22.975	Stephan Kleier	
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6.9.1	Need For A Common Addressing Format For All Telecommunication / Multi-Media Services In Future Converging Telecommunication Networks		Barbara Reed	426
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This contribution went to the ETSI board this week.

ACTION: Japanese Delegation

Chairman indicated that the need for a common addressing format for all telecommunication / multi-media services in future converging telecommunication networks addresses a world-wide problem... Japanese delegates were invited to join the group... They may set up an e-mail discussion.

It was noted.

6.9.2	ETSI liaison point for UMTS naming and addressing matters			427 (NA-99-121)
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Chairman stated that NA2 is a point of entry into ITU. He welcomed Barbara Reed as S1 contact into that group. Contribution was noted.

6.10 Terminal Capabilities				
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6.10.1	Multi-Mode Terminals			
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6.10.1.1	LS on the Network recognition of the registered mode of a Multi-mode terminal			442 (T2-99513 SWG5 Multi-Mode Terminals)
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Issue addressed in this contribution is more an architectural nature than a service requirement. Chairman suggested to let S2 comment it first and, in the light of their feedback, discuss their input at our next S1 meeting.

6.10.2 Terminal Capabilities				
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6.10.2.1	Proposed investigations for LS answer on		Mikael Dahlqvist,	459
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"Identification of service capabilities" in S1-99251		Ericsson	450_txt (Further clarifications from Mikael Dahlqvist)
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ACTION: Mikael Dahlqvist

Outcome of the debate on the Identification of service capabilities needs to be clarified via an e-mail discussion.

6.10.2.2	LS on Principles for the continued work with Terminal Capabilities - Approval to be sent to TSG-T2		Mikael Dahlqvist, Ericsson	460 (Updated 376 from Hampton Court) 438_txt (Further clarifications...)
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From Hampton Court Report:

Tdoc 351 is a proposed LS to T2 on "Principles for the continued work with Terminal Capabilities".

Though this was considered as a very important contribution, it was not agreed on the basis, as stated by Mikael Dahlqvist, that work on VHE needs to be completed before sending an LS to T2.

Tdoc 351 has been updated by Michael Dahlquist in Tdoc 376 and sent for e-mail agreement on June 3rd.

Following e-mail discussions, Tdoc 376 underwent some changes, got updated in Tdoc 460 and has been agreed.

6.10.3 SMS				
6.10.4 TE Power Classes				
6.10.5 Users With Special Needs & USIM				
6.10.6 Location Services (LCS)			Don Zelmer, T1P1.5	
6.10.6.1	Clarification of Location Service		Katsuya Kawamura	484 (See Section 8.1 in SMG1 Agenda)
**	See as well: Proposed Work Item on Location Services for UMTS (LCS)		>>>	422 and more in 423 and 424 Please refer to section 5.4.13

7. Work on Reports and Specifications in Progress and Planned

	TITLE	UMTS	WI Rapporteur	Tdoc
7.1 MultiMedia		22.972		
7.1.0	Proposal for MM services within UMTS		CSELT, TIM, BT, T-Mobil	441

Noted - Provides background on Multimedia.

7.2.0	MultiMedia Messaging (MMS)		Gunnar Schmidt, Bosch	486 22.140
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Some highlights:

- Report is T2's contribution to define Multimedia Messaging Service requirements,
- Document to be studied by delegates and comments to be sent to Barbara Reed,
- Views on whether to standardize this requirement is split between those who believe that a minimum level of standardization of MMS (minimum common denominator) is vital so that it can enjoy the same success as SMS insuring a global interoperability of Mobiles, while others believe that it is not necessary to standardize this feature, given that the mobile internet world is moving forward at such a high pace, that whatever is implemented might get superseded.

ACTION: Barbara Reed & S1 delegates

Study MMS (Tdoc 486) over e-mail before next S1#5.

7.2.4	Multimedia protocol selection		Nokia	493 CR 22100 (N1-99687)
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Attached CR to 22.100 adds one additional requirement for the phase 1 UMTS core network:

"The choice of Multimedia protocol(s) for UMTS shall take into account the requirement for achieving seamless environment between mobile and fixed, i.e., possibility to have common multimedia applications and seamless interworking between mobile and fixed networks." To be studied over e-mail before S1#5.

7.2 MultiCall	22.135V1.2.1			467 (Specification) >> 509 NEW 527 V 1.3.0
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Tdoc 527 contains the updated version of the Multicall Specification which was the output of the multicall adhoc. This will be input to our next S1 meeting #5 in Munich.

7.2.1	Liaison Statement on the requirements for Multicall			384 (N2-99-685)
7.2.2	Proposal for a joint meeting on Call related R99 issues – Applies to Multicall and to Multimedia			385 (N1)
7.2.3	Liaison Statement on Comments on 3GPP specification 22.135, Version 1.0.0, Service Aspects of Multicall.			439 (N_SS-99040)

Above 3 documents were not discussed.

7.5 Other Work Items / Specifications/Reports				
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None.

8. Parallel Sub-Groups to progress work

9. Approval of UMTS Outputs and Liaisons

9.1	S1#4, Quebec City Report			401 (R.Tarazi)
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10. Proposals for ad-hoc UMTS meetings including with other groups

✂✂ Camel adhoc

✂✂ Multicall

✂✂ VHE

✂✂ 3G_IP members and rapporteurs - to be co-ordinated by Wayne Ashwell

11. Any Other Business

There was none.

12. Meeting Calendar

Preparation of an all-IP Workshop: Work Shop: 27-28, September

29 Sep - 1 October S1 Meeting Munich Host, Siemens

29th Nov - 3rd Dec 1999 SMG1 & S1 Host: TBA

Tdoc S1-99 497 contains the meetings calendar.

13. Closure of Meeting

The chairman thanked the hosts for their excellent organisation in such an attractive location. The support from staff and facilities was so good that there were no delays to a very busy program which allowed us to complete a very full agenda. He also thanked the rapporteurs and delegates for their hard work and especially the secretary, Roger Tarazi, for his patience and hard work.

ANNEX A - SUMMARY OF S1 DELIVERABLES: Specifications and Reports

Technical reports and specifications that are already under change control are at Version 3 or higher. For work in progress, expected approval milestones are shown in the table below:

Specs SA#4	Title	Rapporteur	Not Yet Approved	Approval status:	Next	Comment
TS22.100 V3.3.0	UMTS PHASE 1 CAPABILITIES	Jean-Paul Gallaire (David Verrier), France Telecom		V3.0.0 SMG#28		Updated with approved CRs at SA#4 in Miami.
TS22.101 V3.6.0	UMTS SERVICE PRINCIPLES	Paul Dwyer, Vodafone		V3.4.0 SMG#28		Updated with approved CRs at SA#4 in Miami.
TS22.105 V3.5.0	SERVICES AND SERVICE CAPABILITIES	Wayne Ashwell, British Telecom		V3.2.0 SMG#28		Updated with approved CRs at SA#4 in Miami.
TS22.115 V3.1.0	SERVICE ASPECTS: CHARGING AND BILLING	Emanuele Montegrosso, TIM		V 3.0.0 SMG#28		Updated with approved CRs at SA#4 in Miami.
TS22.121 V3.0.0	VIRTUAL HOME ENVIRONMENT	Jumoke Ogunbekun, Fujitsu		V1.0.0 at TSG_SA#3		Approved at SA#4 in Miami
TS22.129 V3.0.0	HANDOVER REQUIREMENTS BETWEEN UMTS AND GSM OR OTHER RADIO SYSTEMS	David Cooper, TELECOM MODUS		V2.0.0 at TSG SA#3		Approved at SA#3
TS22.135	DRAFT MULTICALL	Tommi Kokkola, Nokia	V1.2.0 at S1#4		V2.0.0 at SA#5	INFORMATION AT SA#3 Not Presented at SA#4
TR22.960 V3.0.1	MOBILE MULTIMEDIA SERVICES INCLUDING MOBILE INTRANET AND INTERNET SERVICES	Thomas Ahnberg, TELIA		V3.0.0 SMG#25		Proposed to keep that specification.
TR22.971 V3.1.1	AUTOMATIC ESTABLISHMENT OF ROAMING RELATIONS	Emanuele Montegrosso, TIM		V3.0.1 SMG#27		Noted - To be maintained.
TR22.975 V3.0.1	ADVANCED ADDRESSING	Stephan Kleier, MMO		V3.0.0 SMG#27		

Technical Reports - Non-Active status (Some are not to be maintained anymore)

TR22.907	UMTS TERMINAL AND SMART CARD CONCEPTS	Mika Tolvanen, Nokia		V.3.0.1 SMG#29		Not Updated anymore, Kept
TR22.924	CHARGING AND ACCOUNTING MECHANISM	Emanuele Montegrosso, TIM		V3.0.0 SMG#25		Not Updated anymore
TR22.925	QUALITY OF SERVICE AND NETWORK PERFORMANCE Use the information from 22.25 into 22.05 bringing in QoS requirements from other regions was proposed...	Olle Eriksson coordinates QoS		V3.1.0 SMG#25		
TR22.970	VIRTUAL HOME ENVIRONMENT	Jumoke Ogunbekun, Fujitsu		V3.0.0 SMG#25		Not updated anymore
TR22.972	MULTIMEDIA	Ralf Fischer, Bosch	V0.0.0	V1.0.0 at TSG SA#3	V1.0.0 at TSG SA#4	

ANNEX B - UMTS Work Items

Work item	WID	Rapporteur	Expected output	Dead-line	Status	Notes
Advanced Addressing	S1-136	Stephan Kleier, MMO	Report 22.75	R99	On-going	
Charging and Accounting	S1-132	Emanuele Montegrosso, TIM	Specification 22.15	05/99	On-going	
GSM to UMTS Evolution	S1-127	Tommi Kokkola, Nokia	Review and update of GSM 02- series	R99	On-going	
Handover GSM<->UMTS	S1-135	David Cooper, T-Modus	Specification 22.29	05/99	On-going	
Quality of Service	S1-134	Olle Eriksson / Ericsson	CRs (ffs)	R99	On-going	<i>Joint WI with S2</i>
UMTS Phase 1	S1-129	David Verrier, FT	Specification 22.00	05/99	On-going	
UMTS Services	S1-130	Paul Dwyer, Vodafone	Specification 22.01	05/99	On-going	
UMTS Services and Service capabilities	S1-131	Wayne Ashwell, BT	Specification 22.05	05/99	On-going	
Virtual Home Environment	S1-133	Jumoke Ogunbekun, Fujitsu	Specification 22.21	R99	On-going	
ANSI-41 to UMTS Interworking	S1-242 NEW EXPECTED	,TTA	Study	R99	On-going	

Work item	WID	Rapporteur	Expected output	Dead-line	Status	Notes
Multicall	S1-189 NEW EXPECTED	Tommi Kokkola, Nokia	Stage 1 specification, Stage 2 (ffs), CR to existing specifications	R99	On-going	

ANNEX B – DOCUMENTS LIST

Doc	New	Agenda	Pen	Ele	Type	Title	Topic	Source	Who?	Spec N	CR#
352	459	06.09.02.02	Yes	Yes	LS(P)	Resp to 251+321	Service Capabil	Ericsson	Mikael Dahlkvist		
376	460	06.09.02	No	Yes	LS(P)	Principles for the continued work with Terminal Capabilities	TE Capabilities	Ericsson	Mikael Dahlkvist		
381			No	No		free					
382		06.01.05.02	No	Yes	CR	Editorial Changes to account for the new specification numbering scheme	3G Phase 1	France Telecom	Jean Paul Gallaire	22100	A024
383	538	06.01.06.01	No	Yes	XCR	To propose the organisation of standardisation for future releases.	3G Phase 1	France Telecom	Jean Paul Gallaire	22.100	
384		07.02.01	No	Yes	LS(in)	Liaison Statement on the requirements for Multicall	MultiCall	NP-99177 N2 99 685			
385		07.02.02	No	Yes	Meeting	Proposal for a joint meeting on Call related R99 issues	MultiCall Multi	N1			
390		04.08.01	No	Yes	LS	Fr EP UMTS to EP TIPHON, 3GPP S1 and ETSI NA 2 and NA6	LS	EP-UMTS-99-063	Barbara Reed		
400		02.00.00	No	Yes	Agenda	S1-AGENDA	Agenda	MCC	Roger Tarazi		
401		09.00.00	No	No	Report	Report from This Meeting (Quebec)					
402		03.01.00	No	Yes	Report	Report from S1 Hampton Court	Report S1	MCC S1 Secretary			
403		04.01.00	No	Yes	Report	Report from SA#4 Miami to S1	Report SA#4 --S				
404		05.01.01	No	Yes	3G Specs/Reports	All S1 3G Specs/Report in one Tdoc		MCC S1 Secretary	Roger Tarazi		
405		06.01.00	No	No	Changes proposed	????????? Get proper title		Sony	Ferrial Chummun		
406		06.01.04.04	Yes	Yes	LS Changes Proposed	Definitions, symbols and abbreviations	Services	Sony	Ferrial Chummun		
407		06.04.03	Yes	Yes	CR(P)	Clarification of "Shall" and "Mandatory"	Charging	TIM	Emanuele	22115	A005

									Montegrosso		
408		05.03.01.01	No	Yes	Work Plan	Work Plan for R2000 based on RA#4:SP-99257,263,264,268,283,309,218,219		SA#4			
409		05.03.02.02	No	Yes	LS	IP, GPRS and 3GPP Release 2000 For discussion	R2000 Req	SP-99283 (SA#4)			
410		05.03.02.01	No	Yes	Press	Press Release 3G-IP Group	Press Releas	SP-99258			
411		05.03.02.03	No	Yes	Requirements	Issues for an all IP based network for R00	IP	SP-99268 Siemens			
412	524	05.03.01.02	No	Yes	Proposal	list to be considered when defining the guidelines for R00 contents.	R2000 Req	SP-99309 Telia AB			
413		05.03.01.03	No	Yes	Requirements	Support for IP-based services in Release 2000 and EDGE Phase 2	IP & EDGE II	SP-99385,AT&T, CSELT, Ericsson, Lucent, Motorola, Nokia, Nortel Networks, Telecom Italia Mobile, Telenor			
414		05.03.01.04	No	Yes	Requirements	Contents and timing of the next release following release 99	EDGE	SP-99257 AT&T, BT, BTCellnet, Ericsson, Intel, Lucent, Motorola, Nokia, Nortel Networks, Siemens, Telenor, TIM/CSELT			
415		05.03.01.05	No	Yes	LS	Key Characteristics for Later Phases of UMTS		SP-99219 EP-UMTS			
416		05.03.01.06	No	Yes	LS	Proposals for the next stage of work in 3GPP (i.e. 3GPP release 2000, 2001)		SP-99218 EP-UMTS			
417		05.03.01.07	Yes	Yes	Requirements	Service requirements for next release	Management	SP-99263 France Telecom			
418		05.01.05	No	Yes		3G Specs List		MCC	Ian Doig		
419		05.03.01.08	No	Yes	Requirements	Migration from release 99 to future releases		SP-99264			

					ents			France Telecom			
420		06.05.01	No	Yes	Report	Report on Status of VHE stage1 (22.121)	VHE	VHE Adhoc	Jumoke Ogunbekun		
421	521	06.05.02	No	Yes	XCR		VHE	France Telecom	Jean-Paul Gallaire		
422		05.04.13	Yes	Yes	WI(P)	Proposed Work Item on Location Services for UMTS	LCS	SP-99327			
423		05.04.13.02	Yes	Yes	Requirements	Location Based Services - Service Requirements Document of the Services Working Group	LCS	North American Int Group GSM Assoc			
424		05.04.13.01	No	Yes	Letter	To Those Interested in Location Services:	LCS	North American Int Group GSM Assoc			
425		06.03.01.03	No	Yes	Changes Proposed	Proposed changes to Chapter 5 "Application Groups"	QoS	T-Mobil	Tomas Wierlemann	22.105A	
426		06.09.01	Yes	Yes	ToR Addressing	Need for a common addressing format	Addressing	ETSI			
427		06.09.02	No	Yes		ETSI liaison point for UMTS naming and addressing matters	Addressing	ETSI TC NA			
428		06.04.01	No	Yes	Changes	DUPLICATE Clarify the usage of "Shall" and "Mandatory" – Proposed Changes	Charging			22.115	
429		06.04.02	No	Yes	XCR	DUPLICATE Clarify the mandatory features, ? Definition of location information for call detail records	Charging			22115	A004
430		06.01.01	No	Yes	LS(in)	LS to TSG-SA on Emergency Numbers	Emergency				
431		04.09.01	No	Yes	Report	Update on the GSM Association	Report GSM Asso	3G Coordinator			
432		06.06.01	No	Yes	LS	Interoperation between UMTS and GSM	Interoperation				
433		06.06.02	No	Yes	LS	Implications of GSM-UTRAN handover and GSM access on the USIM	Handover	T3-99158			
434	498	06.06.03	No	Yes	Report (Draft)	DRAFT Report of the Workshop on Handover and Cell Selection	Handover	MCC	Alain Sultan		
435		04.01.00	No	Yes	Report	Report of Mobile Competence Centre activities	Mangement	SP-99292 MCC	Adrian Scrase		
436		05.01.02	No	Yes	Road-Map	Global Roadmap for SMG and SA plenary WIs		MCC	Alain Sultan		
437		05.01.05	No	Yes	Specification list	DRAFT June 99 status list of the 3GPP specifications at TSG SA#4	Spec List	MCC	Ian Doig		

438	460	06.10.02.02	No	No	e-mail	Principles for the continued work with Terminal Capabilities - See Tdoc 460	Terminal capabi	Ericsson	Mikael Dahlqvist		
439		07.02.03	No	Yes	LS(in)	on Comments on 3GPP specification 22.135, Version 1.0.0, Service Aspects of Multicall	Multicall	N_SS-99040			
440		04.02.00	No	Yes	Report	TSG-T Progress Report	Report T	Chairman	Sang-Keun Park, Samsung, TTA		
441		07.01.00	No	Yes	Proposal	Proposal for MM services within UMTS	Multimedia	CSELT, TIM, BT, T-Mobil			
442		06.10.01.01	Yes	Yes	LS(in)	on the Network recognition of the registered mode of a Multi-mode terminal	Multi-Mode	T2-99513 SWG5 Multi-Mode Terminals			
443	OK	06.03.01.01	No	Yes	LS(in)	to TSG SA WG2 on Information attributes for packet switched bearer services	QoS	T2-99598			
444		06.03.01.02	Yes	Yes	LS(in)	to TSG SA on the ITU-R TG 8/1 revision of Recommendation M.1079	QoS Performance	SP-99312			
445		06.02.01.01	No	Yes	Changes	Proposed Editorial changes to 22.101 – This was done on an older release!		Vodafone	Paul Dwyer		
446		06.01.05.01	No	Yes	Changes	Clarification of "shall" and "mandatory"					
447		06.02.02.01	No	Yes	LS	Response to the TSG-SA LS on the usage of GSM-only SIM Cards for 3G access	SIM/3G	2-99-765			
448		06.02.02.02	No	Yes	LS	to 3GPP TSG-SA on the use of SIMs in 3G mobiles	SIM/3G	SERG-99-90			
449		06.01.03.01	No	Yes	Proposal	Inclusion of the new security mechanisms in Release 99	Security	SP-99265 France Telecom			
450	459	06.10.02.01	No	Yes	LS	Ref to 459 Proposed investigations for LS answer on "Identification of service capabilities" in S1-99251	Service Capabil	e-Mail M.Dahlqvist			
451		06.02.02.03	No	Yes	LS	Dual mode USIM	SIM/3G	S4-99242			
452		06.01.04.01	No	Yes	Changes	Terminology 22.100	Terminology	Nokia / FT	Tommi Kokkola, JP Gallaire		
453		06.01.04.02	No	Yes	Proposal	Vocabulary for the UTRAN (UMTS 25.xx version 0.1.3)	Terminology	S3-99217			
454		06.01.04.03	No	Yes	Proposal	Revised Terms of Reference and consistency of terminology across TSGs	Terminology	S4-99241			
455		06.01.04.01	No	Yes	Changes	Terminology 22.100	Terminology	Nokia	Tommi Kokkola		
456		06.01.03.02	Yes	Yes	LS(in)	Clarification on the security requirement "USIM-Terminal lock"	Security	T3-99180			

457		06.02.03	Yes	Yes	LS(in)	on multiple USIMs in a UICC	USIMs in UICC	T3-99154			
458		04.10.00	No	Yes	Report	Operators Harmonisation Group (OHG)	Harmonization	BT	Peter Adams		
459		06.10.02.01	Yes	Yes	Proposal	Proposed investigations for LS answer on "Identification of service capabilities" in S1-99251	Service Capabil	Ericsson	Mikael Dahlqvist		
460		06.10.02.02	No	Yes	LS(P)	on Principles for the continued work with Terminal Capabilities	Terminal Capabi	Ericsson	Mikael Dahlqvist		
461		06.01.00	No	Yes	Specificat ion	22100-330__To_Prep_CRs_For_Quebec.doc	3G Phase 1	MCC		22100-330	
462		06.02.00	No	Yes	Specificat ion	22101-360__To_Prep_CRs_For_Quebec.doc	Services	MCC		22101-360	
463		06.03.00	No	Yes	Specificat ion	22105-350__To_Prep_CRs_For_Quebec.doc	Service Capabil	MCC		22105-350	
464		06.04.00	No	Yes	Specificat ion	22115-310 Service aspects; Charging and Billing	Charging	MCC		22115-310	
465		06.05.00	No	Yes	Specificat ion	22121-300_VHE_SPEC_APPROVED .doc	VHE	MCC		22121-300	
466		06.06.00	No	Yes	Specificat ion	22129-300 Handover	Handover	MCC		22129-300	
467	509	07.02.00	No	Yes	Specificat ion	22135-120.doc Replaced by 509	Multicall	MCC		22135-100	
468		07.05.00	No	Yes	Report	22907-313_NOT_TO_BE UPDATED.doc	TE & Smart Card	MCC		22907-313	
469		07.05.00	No	Yes	Report	22924-311_Not-to-be-updated.doc	Charging & Acnt	MCC		22924-311	
470		07.05.00	No	Yes	Report	22925-311.doc	QoS & NETWORK P	MCC		22925-311	
471		07.05.00	No	Yes	Report	22960-301.doc	MultiMedia Svcs	MCC		22960-301	
472		07.05.00	No	Yes	Report	22970-301.doc	VHE Report	MCC		22970-301	
473		07.05.00	No	Yes	Report	22971-311.doc	Roaming	MCC		22971-311	
474		07.05.00	No	Yes	Report	22972-000.doc Service aspects; Real Time Multimedia	MultiMedia	MCC		22972-000.	
475		07.05.00	No	Yes	Report	22975-301.doc	Addressing	MCC		22975-301	
476		06.06.04	No	Yes	XCR	Modification of handover related subjects	Handover	Ericsson	Pierre Truong	22129A0	

										02	
477		06.06.05	No	Yes	XCR	Modification of handover related subjects	Handover	Ericsson	Pierre Truong	22101	A022
478		05.03.02.04	No	Yes	Proposals	478 IP based networks and high level requirements for R00	IP	BT	Wayne Ashwell		
479		05.03.02.05	Yes	Yes	Proposals	Requirements for an all-IP-Based Network	IP	BT	Wayne Ashwell		
480		05.03.02.06	No	Yes	Proposals	480 Architectural approach for an all-IP-Based Network	IP	BT	Wayne Ashwell		
481		06.03.01.04	Yes	Yes	CR	Editorial Change to 22.105	Service Capab	BT	Wayne Ashwell	22105	A017
482		06.05.03	No	No		The functionality of VHE (agenda item 6.5.3)	VHE	NTT Docomo	Katsuya Kawamura		
483		06.01.02	Yes	Yes	LS(in)	Proposal for Emergency Call (agenda item 6.1.1)	Emergency	NTT Docomo	Katsuya Kawamura		
484		06.10.06	No	No		Clarification of Location Service (agenda item 6.10.6)	LCS	NTT Docomo	Katsuya Kawamura		
485	549	06.03.01.05	No	Yes	Addressing	Clarification of Address Translation Features (agenda item 6.3)	Addressing	NTT Docomo	Katsuya Kawamura		
486		07.02.00	Yes	Yes	MULTIMEDIA	MultiMedia Messaging Stage 1	MMS	Bosch	Gunnar Schmidt	22.140	
487		05.03.00	No	Yes	Management	Proposal for Documentation Scheme for R00	Specs Organizat	T-Modus	David Cooper		
488		05.03.00	No	No	Management	Some initial thoughts on the role model in UMTS version 1		Chairman SMG1	Alan Cox		
489	541	06.06.06	No	Yes	XCR	Clarification of the scope of mandatory requirements	Handover, Manda	T-Modus	David Cooper	22129	A
490		06.06.07	No	Yes	XCR	Clean-up of terminology	Handover	T-Modus	David Cooper	22129	Axxx
491	533	06.06.08	No	Yes	XCR	Editorial improvements of definitions and alignment of terminology.	Handover			22129	A
492		06.06.00	No	Yes	Report Summary	Report (ppt) to S1 on: ad-hoc on Handover and Cell Selection, (Sophia Antipolis, 9/10 June 99)	Handover	T-Modus	David Cooper		
493		07.02.04	Yes	Yes	CR(P)	Multimedia protocol selection	MULTIMEDIA & MC	N1-99687 TSG-SA Working Group 1 (Services) meeting #4 TSG S1#4 (99)xxx Quebec City,		22100	Axxx

								Quebec, Canada 6th-9th, July 1999						
								Agenda Item:						
494	545	06.02.01.02	No	Yes	Changes Prop	Editorial Changes		Vodafone	Paul Dwyer	22101				
495	546	06.02.02.04	No	Yes	XCR	CR to clarify the usage of SIM and USIM	SIM USIM	T-Mobil	Horst Rauch	22101	A			
496		06.06.00	No	Yes		All docs from the Workshop on HANDOVER	Handover	Chairman SA	Niels Andersen					
497		12.00.00	No	No	Calendar	ETSI Calendar of MeetingSA.doc	Calendar	MCC	Emmanuelle Wurffel					
498		06.06.00	No	Yes	Report	Report on Workshop on Handover (obsoletes 434)	Handover	Chairman SA	Niels Andersen					
499	539	06.06.04.01	No	Yes	Change	Potential CR on TS 22.129 V.3.0.0	Handover	Ericsson	Pierre Truong					
500		06.06.00.00	No	Yes	CR	SMS handover requirement clarification	Handover	Ericsson	Pierre Truong	22129	A005			
501		06.01.01.03	Yes	Yes	LS(in)	Emergency numbers in Korea	Emergency Num.	Korea Telecom TNL	Sangyong Kang,david02@kt.co.kr					
502		06.01.03.03	No	Yes		3G IMEI Security requirements	Security	Bosch	Josef Laumen					
503		05.03.01.07	No	Yes		R2000 Planning			Paul Carpenter					
504		05.03.01.03	No	Yes		EDGE Phase II Ad-hoc meeting notes								
505		06.03.01.06	Yes	Yes	LS(in)	Bearer Modification without pre-notification	Bearers	N3-99137						
506		06.03.01.07	No	Yes	Status	current status on its work on CS data services.	CS Data	N3-99147						
507		06.01.02	Yes	Yes	LS(in)	Fax Service	FAX	N3-99126						
508		05.01.06	Yes	Yes	LS(in)	Comments on S1 Specs	Comments	N3-99132						
509		07.02.00	No	Yes		Multicall specification replaces 467	Multicall							
510		06.01.07	Yes	Yes	Proposal	The feasibility of the provision of PIAFS in UMTS	PIAFS	N3-99150						
511		06.03.01.08	Yes	Yes	LS(in)	Report of CN3 workshop on CS Data Services in UMTS	Data	N3-99152						
512		05.04.15	No	Yes	WI(P)	Proposed Work Item Description for Circuit Switched Bearers in UMTS	CS Bearers	N3-99151						
513	544	06.01.04.01	No	Yes		Terminology	Terminology	Nokia	Tommi Kokkola					
514		06.01.07	Yes	Yes	WI	S1-99514_N3-99149_Prop_WI_PIAFS-in-UMTS.rtf	PIAFS	N3-99149.rtf						
515		06.06.09	No	Yes		Network selectivity on handover.	Handover	t-modus	David Cooper	22129	A			
516		06.06.10	No	Yes	CR	GSM UMTS Handover	Handover	t-modus	David Cooper	22129	A004			

517		04.09.02	No	Yes		SERG Contribution - 421 >>>> 521 and not 517 JP Gallaire	Report SERG					
518		06.06.11	No	Yes	XCR	Editorial improvements of definitions and alignment of terminology.	Handover	T-Modus	David Cooper	22129	A	
519		04.01.00	No	Yes	Report	S1 to SA#4 contained in Tdoc SP-99224	Report S1--SA#4	SP-99224				
520		06.03.01	No	Yes	LS(P)	Comments on the CR A013r2 to TS 22.105		S2 QoS Adhoc	Jeremy Fuller			
521		06.05.04	No	Yes	XCR	From 421 (was 517 by Mistake)Generic Service Capability Feature	VHE	France Telecom	JP Gallaire			
522		??	No	No		assigned						
523		??	No	No		assigned						
524		05.03.01.02	Yes	No	Proposal	Identify Service Requirements in ref to 412	R2000	Telia	Anita Olsson			
525		06.05.04	Yes	Yes	CR(P)	Enhancement to "VHE role model" (Fig 1)	VHE	Ericsson	Erwin van Rijssen	22121	Axxx	
526	542	05.03.02.07	No	Yes	XLS	Proposed Liaison statement concerning requirements for all-IP option for release 2000	IP	S1				
527		07.02.00	No	Yes	Specification	22135-130_MultiCall.	Multicall					
528		05.01.07	No	Yes	LS(out)	Specs transfer from SMG1 to S1	Management					
529	547	06.03.01	No	Yes	XCR	CR to UMTS 22.105 on QoS to meet requirements identified by the S2 QoS Adhoc group	QoS	Nortel	Jeremy Fuller	22105	A	
530		06.05.01.00	No	Yes	Report	Minutes of Quebec VHE Adhoc	VHE	Fujitsu	Jumoke Ogunbekun			
531		06.05.08	Yes	Yes	CR(P)	To align service capabilities and service capabilities features definitions with definitions in VHE specification 22.121	VHE	Fujitsu	Jumoke Ogunbekun	22105	Axxx	
532		06.06.00	No	Yes	Report	Handover adhoc	Handover	t-Modus	David Cooper			
533		06.06.08	No	Yes	CR	Revised terminolgy to 22.129	Handover	t-Modus	David Cooper	22129	A003	
534		05.04.00	Yes	Yes	Proposal	UMTS Rel 99 Cross ref of req's & what should be available	R99	Adhoc Group on UMTS Release 99	Barbara Reed			
535		06.05.05	Yes	Yes	CR(P)	Charging Capabilities	VHE	FT, TIM	JP Gallaire, E Montegrosso	22121	Axxx	
536	551	06.05.06	No	Yes	XCR	QoS Negotiation	VHE	FT	JP Gallaire	22121	Axxx	
537		06.05.07	Yes	Yes	CR(P)	Generic Service capability	VHE	FT	JP Gallaire	22121	Axxx	
538		06.01.06.01	No	Yes	CR	To propose the organisation of standardisation for future releases.	UMTS Ph1 Future	FT	JP Gallaire	22100	A022	
539	553	06.06.04.02	No	Yes	XCR	from 499 - Requirement on subscriber dependent	Handover	Ericsson	Pierre Truong	22129	Axxx	

						handover					
540		06.06.14	No	Yes	CR	For R99 there can only be one target PLMN for HO in addition to the serving PLMN for R99 in a given geographical area.	Handover	t-Modus	David Cooper	22129	A002
541		06.06.06	No	Yes	CR	from 489 - Clarification of the scope of mandatory requirements	Handover, Manda	T-Modus	David Cooper	22129	A007
542		05.03.02.07	No	Yes	LS(out)	from 526 - Liaison statement concerning requirements for all-IP option for release 2000	All-IP	S1	Tommi Kokkola		
543	548	06.03.01	No	No	XCR	To remove the notes below the table	QoS	BT	Wayne Ashwell	22105	Axxx
544		06.01.04.01	No	Yes	CR	Editorial changes related to terminology	Terminology	Nokia	Tommi Kokkola	22100	A023
545		06.02.01.02	Yes	No	CR(P)	from 494 - Delete Sect 8, Consult S3	Services	Vodafone	Paul Dwyer	22100	Axxx
546		06.02.02.04	Yes	Yes	CR(P)	from 495 - USIM to contain SIM function	SIM USIM	t-Mobil	Harst Rauch	22101	Axxx
547		06.03.01.09	No	Yes	CR	CR for 22.105 Class of Bearers	QoS	BT	Wayne Ashwell	22105	A016
548		06.03.01.10	No	Yes	CR	CR for 22.105 removing the notes below the QoS tables	QoS	BT	Wayne Ashwell	22105	A015
549		06.03.01.05	Yes	No	CR(P)	CR to 22.105 to add IP v4	IP	BT	Wayne Ashwell	22105	Axxx
550		06.02.02.05	Yes	Yes	CR(P)	IMSI = IMUI	IMUI-IMSI			22101	Axxx
551		06.05.06	Yes	No	CR(P)	from 536 QoS Negotiation	VHE	FT	JP Gallaire	22121	Axxx
552		06.05.09	No	Yes	LS(out)	Role of MExE and SAT within the OSA concept of VHE - LS to TSG T2 / T3	MExE, SAT	Siemens, Motorola	M.Leitgeb, M.Cataldo		
553		06.06.04.02	Yes	No	CR	from 539	Handover		David Cooper	22129	A006
554			Yes	Yes	LS(in)	LS about Overall Delay Budget within the Access Stratum Results and Requirements		RAN3			
555			No	No							

ANNEX C – DOCUMENTS LIST SORTED BY AGENDA ITEM

Doc	Ne	Pe	Dea	Ele	Agenda item	Type	Topic	Result	To	Title	Source	Spec	CR#	Who?
381		No	No	No						free				
554		Yes	No	Yes		LS(in)				LS about Overall Delay Budget within the Access Stratum Results and Requirements	RAN3			
555		No	No	No										
522		No	No	No	??					assigned				
523		No	No	No	??					assigned				
400		No	Yes	Yes	02.00.00	Agenda	Agenda	Approved		S1-AGENDA	MCC			Roger Tarazi
402		No	Yes	Yes	03.01.00	Report	Report S1	Approved		Report from S1 Hampton Court	MCC S1 Secretary			
403		No	Yes	Yes	04.01.00	Report	Report SA#4 --S	Debated and Approved		Report from SA#4 Miami to S1				
435		No	Yes	Yes	04.01.00	Report	Mangement	RT presented		Report of Mobile Competence Centre activities	SP-99292 MCC			Adrian Scrase
519		No	Yes	Yes	04.01.00	Report	Report S1--SA#4	Noted		S1 to SA#4 contained in Tdoc SP-99224	SP-99224			
440		No	Yes	Yes	04.02.00	Report	Report T	Noted		TSG-T Progress Report	Chairman			Sang-Keun Park, Samsung, TTA
390		No	Yes	Yes	04.08.01	LS	LS	??		Fr EP UMTS to EP TIPHON, 3GPP S1 and ETSI NA 2 and NA6	EP-UMTS-99-063			Barbara Reed
431		No	Yes	Yes	04.09.01	Report	Report GSM Asso	Noted		Update on the GSM Association	3G Coordinator			
517		No	Yes	Yes	04.09.02		Report SERG	Used as a basis for discussions		SERG Contribution - 421 >>>> 521 and not 517 JP Gallaire				
458		No	Yes	Yes	04.10.00	Report	Harmonization	Noted		Operators Harmonisation Group (OHG)	BT			Peter Adams
404		No	Yes	Yes	05.01.01	3G		Noted		All S1 3G Specs/Report	MCC S1			Roger

				s		Specs/ Reports				in one Tdoc	Secretary			Tarazi
436		No	Yes	Yes	05.01.02	Road-Map		Noted - To be updated by MCC		Global Roadmap for SMG and SA plenary WIs	MCC			Alain Sultan
418		No	Yes	Yes	05.01.05			Noted		3G Specs List	MCC			Ian Doig
437		No	Yes	Yes	05.01.05	Specification list	Spec List	Outdated		DRAFT June 99 status list of the 3GPP specifications at TSG SA#4	MCC			Ian Doig
508		Yes	No	Yes	05.01.06	LS(in)	Comments	???		Comments on S1 Specs	N3-99132			
528		No	Yes	Yes	05.01.07	LS(out)	Management	Agreed, Follow-Me to be transferred	Ian Doig, MCC	Specs transfer from SMG1 to S1				
487		No	No	Yes	05.03.00	Management	Specs Organizat	Noted		Proposal for Documentation Scheme for R00	T-Modus			David Cooper
488		No	No	No	05.03.00	Management				Some initial thoughts on the role model in UMTS version 1	Chairman SMG1			Alan Cox
408		No	Yes	Yes	05.03.01.01	Work Plan		Chairman reviewed, Noted		Work Plan for R2000 based on RA#4:SP-99257,263,264,268,283,309,218,219	SA#4			
412	524	No	Yes	Yes	05.03.01.02	Proposal	R2000 Req	Debated - Extract Service Req's in 524		list to be considered when defining the guidelines for R00 contents.	SP-99309 Telia AB			
524		Yes	No	No	05.03.01.02	Proposal	R2000	Postponed	xxx	Identify Service Requirements in ref to 412	Telia			Anita Olsson
413		No	Yes	Yes	05.03.01.03	Requirements	IP & EDGE II	Concerns GSM Radio Access		Support for IP-based services in Release 2000 and EDGE Phase 2	SP-99385,AT&T, CSELT, Ericsson, Lucent, Motorola, Nokia,			

											Nortel Networks, Telecom Italia Mobile, Telenor			
504		No	Yes	Yes	05.03.01.03			?		EDGE Phase II Ad-hoc meeting notes				
414		No	Yes	Yes	05.03.01.04	Requirements	EDGE	Guidance to other groups		Contents and timing of the next release following release 99	SP-99257 AT&T, BT, BTCellnet, Ericsson, Intel, Lucent, Motorola, Nokia, Nortel Networks, Siemens, Telenor, TIM/CSELT			
415		No	Yes	Yes	05.03.01.05	LS		Noted		Key Characteristics for Later Phases of UMTS	SP-99219 EP-UMTS			
416		No	Yes	Yes	05.03.01.06	LS		Noted		Proposals for the next stage of work in 3GPP (i.e. 3GPP release 2000, 2001)	SP-99218 EP-UMTS			
417		Yes	Yes	Yes	05.03.01.07	Requirements	Management	Agreed - Remove non R99 Service Req's, with ACTIONS See Rep	S1 Rapporteurs	Service requirements for next release	SP-99263 France Telecom			
503		No	Yes	Yes	05.03.01.07			General Support of Paper		R2000 Planning				Paul Carpenter
419		No	Yes	Yes	05.03.01.08	Requirements		Crossphase compatibility Mentioned in 22.100		Migration from release 99 to future releases	SP-99264 France Telecom			
410		No	Yes	Yes	05.03.02.01	Press	Press Release	Jim Whitehead: "All-IP is not to be taken literally"		Press Release 3G-IP Group	SP-99258			
409		No	Yes	Yes	05.03.02.02	LS	R2000 Req	Noted -		IP, GPRS and 3GPP Release 2000 For	SP-99283 (SA#4)			

										discussion				
411		No	Yes	Yes	05.03.02.03	Requirements	IP	Discussed			Issues for an all IP based network for R00	SP-99268 Siemens		
478		No	Yes	Yes	05.03.02.04	Proposals	IP	Discussed			478 IP based networks and high level requirements for R00	BT		Wayne Ashwell
479		Yes	Yes	Yes	05.03.02.05	Proposals	IP	Actions fr Jim Whitehead for further definitions	Jim Whitehead: Responses		Requirements for an all-IP-Based Network	BT		Wayne Ashwell
480		No	Yes	Yes	05.03.02.06	Proposals	IP	Debated			480 Architectural approach for an all-IP-Based Network	BT		Wayne Ashwell
526	542	No	Yes	Yes	05.03.02.07	XLS	IP	Replaced			Proposed Liaison statement concerning requirements for all-IP option for release 2000	S1		
542		No	Yes	Yes	05.03.02.07	LS(out)	All-IP	Agreed	S2,SMG2, RAN,copy to:CN,T,S A#5,SMG #30		from 526 - Liaison statement concerning requirements for all-IP option for release 2000	S1		Tommi Kokkola
534		Yes	Yes	Yes	05.04.00	Proposal	R99	study	e-mail, input next S1		UMTS Rel 99 Cross ref of req's & what should be available	Adhoc Group on UMTS Release 99		Barbara Reed
422		Yes	Yes	Yes	05.04.13	WI(P)	LCS	SA endorsed, Insure common service req GSM, UMTS	Jan Kall		Proposed Work Item on Location Services for UMTS	SP-99327		
424		No	Yes	Yes	05.04.13.01	Letter	LCS	Noted			To Those Interested in Location Services:	North American Int Group GSM Assoc		
423		Yes	Yes	Yes	05.04.13.02	Requirements	LCS	Approach is endorsed, Jan Kall to report back			Location Based Services - Service Requirements Document of the Services Working Group	North American Int Group GSM		

										Assoc			
512		No	Yes	Yes	05.04.15	WI(P)	CS Bearers	Noted		Proposed Work Item Description for Circuit Switched Bearers in UMTS	N3-99151		
405		No	Yes	No	06.01.00	Changes proposed		Withdrawn		????????? Get proper title	Sony		Ferrial Chummun
461		No	Yes	Yes	06.01.00	Specification	3G Phase 1	Latest Version of 22.100 - Noted		22100-330__To_Prep_CRs_For_Quebec.doc	MCC	22100-330	
430		No	Yes	Yes	06.01.01	LS(in)	Emergency	Noted		LS to TSG-SA on Emergency Numbers			
501		Yes	Yes	Yes	06.01.01.03	LS(in)	Emergency Num.	Agreed Paul to include 119 in CR in 22.101	Paul Dwyer	Emergency numbers in Korea	Korea Telecom TNL		Sangyong Kang,david02@kt.co.kr
483		Yes	Yes	Yes	06.01.02	LS(in)	Emergency	Agreed - Draft CR 22101 - Next meeting	Paul Dwyer	Proposal for Emergency Call (agenda item 6.1.1)	NTT Docomo		Katsuya Kawamura
507		Yes	Yes	Yes	06.01.02	LS(in)	FAX	NTT Docomo to contact T2, N3 & reach resolution	NTT Docomo	Fax Service	N3-99126		
449		No	Yes	Yes	06.01.03.01	Proposal	Security	Noted		Inclusion of the new security mechanisms in Release 99	SP-99265 France Telecom		
456		Yes	Yes	Yes	06.01.03.02	LS(in)	Security	Study+Draft rep >T3/S3, if necessary prep cr 22.022 & 22.101	Paul Dwyer	Clarification on the security requirement "USIM-Terminal lock"	T3-99180		
502		No	Yes	Yes	06.01.03.03		Security	Noted		3G IMEI Security requirements	Bosch		Josef Laumen
452		No	Yes	Yes	06.01.04.01	Changes	Terminology	withdrawn		Terminology 22.100	Nokia / FT		Tommi Kokkola, JP Gallaire
455		No	Yes	Yes	06.01.04.01	Changes	Terminology	withdrawn		Terminology 22.100	Nokia		Tommi Kokkola
513	544	No	Yes	Yes	06.01.04.01		Terminology	Revised in 544		Terminology	Nokia		Tommi Kokkola
544		No	Yes	Yes	06.01.04.01	CR	Terminology	Agreed (Merged CRs 476	SA#5	Editorial changes related	Nokia	22100	A02 Tommi

				s			+518)			to terminology			3	Kokkola
453		No	Yes	Yes	06.01.04.02	Proposal	Terminology	Noted		Vocabulary for the UTRAN (UMTS 25.xx version 0.1.3)	S3-99217			
454		No	Yes	Yes	06.01.04.03	Proposal	Terminology	Agreed, DC Rapporteur to Vocabulary/Report to MCC	David Cooper	Revised Terms of Reference and consistency of terminology across TSGs	S4-99241			
406		Yes	Yes	Yes	06.01.04.04	LS Changes Proposed	Services	to study & Gen a CR on 22101	David Cooper, Paul Dwyer	Definitions, symbols and abbreviations	Sony			Ferrial Chummun
446		No	Yes	Yes	06.01.05.01	Changes		Withdrawn		Clarification of "shall" and "mandatory"				
382		No	Yes	Yes	06.01.05.02	CR	3G Phase 1	Agreed	SA#5	Editorial Changes to account for the new specification numbering scheme	France Telecom	22100	A024	Jean Paul Gallaire
383	538	No	Yes	Yes	06.01.06.01	XCR	3G Phase 1	Revised		To propose the organisation of standardisation for future releases.	France Telecom	22.100		Jean Paul Gallaire
538		No	Yes	Yes	06.01.06.01	CR	UMTS Ph1 Future	Agreed updates 383	SA#5	To propose the organisation of standardisation for future releases.	FT	22100	A022	JP Gallaire
510		Yes	Yes	Yes	06.01.07	Proposal	PIAFS	To study prop service req & Report to S1	Mr Ishikawa, NTT Docomo	The feasibility of the provision of PIAFS in UMTS	N3-99150			
514		Yes	Yes	Yes	06.01.07	WI	PIAFS	Discussed within 510	Mr Ishikawa, NTT Docomo	S1-99514_N3-99149_Prop_WI_PIAFS-in-UMTS.rtf	N3-99149.rtf			
462		No	Yes	Yes	06.02.00	Specification	Services	Noted		22101-360__To_Prep_CRs_For_Quebec.doc	MCC	22101-360		

445		No	Yes	Yes	06.02.01.01	Changes		Superseded by 494		Proposed Editorial changes to 22.101 – This was done on an older release!	Vodafone			Paul Dwyer
494	545	No	Yes	Yes	06.02.01.02	Changes Prop		update in 545		Editorial Changes	Vodafone	22101		Paul Dwyer
545		Yes	No	No	06.02.01.02	CR(P)	Services	repl 494 - Del Sect 8, Consult S3, Make available before S1	Paul Dwyer	from 494 - Delete Sect 8, Consult S3	Vodafone	22100	Axx	Paul Dwyer
447		No	Yes	Yes	06.02.02.01	LS	SIM/3G	Noted - Guidance fr 403, NOTED		Response to the TSG-SA LS on the usage of GSM-only SIM Cards for 3G access	2-99-765			
448		No	Yes	Yes	06.02.02.02	LS	SIM/3G	Noted		to 3GPP TSG-SA on the use of SIMs in 3G mobiles	SERG-99-90			
451		No	Yes	Yes	06.02.02.03	LS	SIM/3G	Noted		Dual mode USIM	S4-99242			
495	546	No	Yes	Yes	06.02.02.04	XCR	SIM USIM	Revised		CR to clarify the usage of SIM and USIM	T-Mobil	22101	A	Horst Rauch
546		Yes	Yes	Yes	06.02.02.04	CR(P)	SIM USIM	Postponed	Horst Rauch	from 495 - USIM to contain SIM function	t-Mobil	22101	Axx	Harst Rauch
550		Yes	Yes	Yes	06.02.02.05	CR(P)	IMUI-IMSI	Agree,invite CR next meeting	Horst Rauch	IMSI = IMUI		22101	Axx	
457		Yes	Yes	Yes	06.02.03	LS(in)	USIMs in UICC	Paul Dwyer to prep an LS following e-mail debate!	e-mail discussion	on multiple USIMs in a UICC	T3-99154			
463		No	Yes	Yes	06.03.00	Specification	Service Capabil	Noted		22105-350__To_Prep_CRs_For_Quebec.doc	MCC	22105-350		
520		No	Yes	Yes	06.03.01	LS(P)		Noted - Guidance on why CR to be approved.		Comments on the CR A013r2 to TS 22.105	S2 QoS Adhoc			Jeremy Fuller
529	547	No	Yes	Yes	06.03.01	XCR	QoS	Agreed. See also cr in 543	SA#5	CR to UMTS 22.105 on QoS to meet requirements identified by the S2 QoS Adhoc group	Nortel	22105	A	Jeremy Fuller
543	548	No	No	No	06.03.01	XCR	QoS	Agreed it is in 548!	Wayne Ashwell,	To remove the notes below the table	BT	22105	Axx	Wayne Ashwell

				s		s				usage of "Shall" and "Mandatory" – Proposed Changes		5		
429		No	Yes	Yes	06.04.02	XCR	Charging	Duplicate		DUPLICATE Clarify the mandatory features, ? Definition of location information for call detail records		22115	A004	
407		Yes	Yes	Yes	06.04.03	CR(P)	Charging	re-submit to next meeting	S1#5	Clarification of "Shall" and "Mandatory"	TIM	22115	A005	Emanuele Montegrosso
465		No	Yes	Yes	06.05.00	Specification	VHE	Noted		22121-300_VHE_SPEC_APPROVED .doc	MCC	22121-300		
420		No	Yes	Yes	06.05.01	Report	VHE	Noted		Report on Status of VHE stage1 (22.121)	VHE Adhoc			Jumoke Ogunbun
530		No	Yes	Yes	06.05.01.00	Report	VHE			Minutes of Quebec VHE Adhoc	Fujitsu			Jumoke Ogunbun
421	521	No	Yes	Yes	06.05.02	XCR	VHE	Replaced			France Telecom			Jean-Paul Gallaire
482		No	No	No	06.05.03		VHE			The functionality of VHE (agenda item 6.5.3)	NTT Docomo			Katsuya Kawamura
521		No	Yes	Yes	06.05.04	XCR	VHE	Debated in adhoc		From 421 (was 517 by Mistake)Generic Service Capability Feature	France Telecom			JP Gallaire
525		Yes	Yes	Yes	06.05.04	CR(P)	VHE	Debated in adhoc		Enhancement to "VHE role model" (Fig 1)	Ericsson	22121	Axx	Erwin van Rijssen
535		Yes	Yes	Yes	06.05.05	CR(P)	VHE	For further study & comment on e-mail. Input to next meetin	S1#5, e-mail	Charging Capabilities	FT, TIM	22121	Axx	JP Gallaire, E Montegrosso
536	551	No	Yes	Yes	06.05.06	XCR	VHE	Address by e-mail	e-mail	QoS Negotiation	FT	22121	Axx	JP Gallaire
551		Yes	No	No	06.05.06	CR(P)	VHE	from 536 - By 13 August e-mail approval	e-mail JP Gallaire	from 536 QoS Negotiation	FT	22121	Axx	JP Gallaire
537		Yes	Yes	Yes	06.05.07	CR(P)	VHE	Extended e-mail discussion	S1#5, e-mail, JP	Generic Service capability	FT	22121	Axx	JP Gallaire

									Gallaire					
531		Yes	Yes	Yes	06.05.08	CR(P)	VHE	To study further - Consequential changes	S1#5, Jan Kall	To align service capabilities and service capabilities features definitions with definitions in VHE specification 22.121	Fujitsu	22105	Axx	Jumoke Ogunbekun
552		No	Yes	Yes	06.05.09	LS(out)	MExE, SAT	Agreed	T2, T3	Role of MExE and SAT within the OSA concept of VHE - LS to TSG T2 / T3	Siemens, Motorola			M.Leitgeb, M.Cataldo
466		No	Yes	Yes	06.06.00	Specification	Handover	Noted		22129-300 Handover	MCC	22129-300		
492		No	Yes	Yes	06.06.00	Report Summary	Handover	Noted	S1#5	Report (ppt) to S1 on: ad-hoc on Handover and Cell Selection, (Sophia Antipolis, 9/10 June 99)	T-Modus			David Cooper
496		No	Yes	Yes	06.06.00		Handover	zip file noted		All docs from the Workshop on HANDOVER	Chairman SA			Niels Andersen
498		No	Yes	Yes	06.06.00	Report	Handover	Noted		Report on Workshop on Handover (obsoletes 434)	Chairman SA			Niels Andersen
532		No	No	Yes	06.06.00	Report	Handover	Noted		Handover adhoc	t-Modus			David Cooper
500		No	Yes	Yes	06.06.00.00	CR	Handover	Agreed	SA#5	SMS handover requirement clarification	Ericsson	22129	A005	Pierre Truong
432		No	No	Yes	06.06.01	LS	Interoperation	Noted		Interoperation between UMTS and GSM				
433		No	Yes	Yes	06.06.02	LS	Handover	Noted		Implications of GSM-UTRAN handover and GSM access on the USIM	T3-99158			
434	498	No	No	Yes	06.06.03	Report (Draft)	Handover	Noted		DRAFT Report of the Workshop on Handover and Cell Selection	MCC			Alain Sultan
476		No	Yes	Yes	06.06.04	XCR	Handover	476 and 518 to merge=533 output replaced	David Cooper	Modification of handover related subjects	Ericsson	22129	A002	Pierre Truong
499	539	No	Yes	Yes	06.06.04.01	Change	Handover			Potential CR on TS	Ericsson			Pierre

				s						22.129 V.3.0.0				Truong
539	553	No	Yes	Yes	06.06.04.02	XCR	Handover	amended		from 499 - Requirement on subscriber dependent handover	Ericsson	22129	Axx	Pierre Truong
553		Yes	No	No	06.06.04.02	CR	Handover	Include hooks Agreed	SA#5	from 539		22129	A006	David Cooper
477		No	Yes	Yes	06.06.05	XCR	Handover	Rejected based on previous docs and discussion.		Modification of handover related subjects	Ericsson	22101	A02	Pierre Truong
489	541	No	Yes	Yes	06.06.06	XCR	Handover, Manda	Revised in 541		Clarification of the scope of mandatory requirements	T-Modus	22129	A	David Cooper
541		No	Yes	Yes	06.06.06	CR	Handover, Manda	Agreed	SA#5	from 489 - Clarification of the scope of mandatory requirements	T-Modus	22129	A007	David Cooper
490		No	Yes	Yes	06.06.07	XCR	Handover	Action Rappateur to check reference numbers in 22.129.	David Cooper	Clean-up of terminology	T-Modus	22129	Axx	David Cooper
491	533	No	No	Yes	06.06.08	XCR	Handover	replaced by 533		Editorial improvements of definitions and alignment of terminology.		22129	A	
533		No	Yes	Yes	06.06.08	CR	Handover	Agreed	SA#5	Revised terminolgy to 22.129	t-Modus	22129	A003	David Cooper
515		No	Yes	Yes	06.06.09		Handover	Rejected		Network selectivity on handover.	t-modus	22129	A	David Cooper
516		No	Yes	Yes	06.06.10	CR	Handover	Agreed	SA#5	GSM UMTS Handover	t-modus	22129	A004	David Cooper
518		No	Yes	Yes	06.06.11	XCR	Handover	"radio access mode" to change to "UTRA radio access mode".	David Cooper	Editorial improvements of definitions and alignment of terminology.	T-Modus	22129	A	David Cooper
540		No	Yes	Yes	06.06.14	CR	Handover	Agreed	SA#5	For R99 there can only be one target PLMN for HO in addition to the serving PLMN for R99 in a given geographical area.	t-Modus	22129	A002	David Cooper
426		Yes	Yes	Yes	06.09.01	ToR Addressing	Addressing	ARIB/TTC invited to join group	Barbara Reed	Need for a common addressing format	ETSI			
376	460	No	Yes	Yes	06.09.02	LS(P)	TE	Mikael Dahlkvist Rcvd Jun	T2	Principles for the	Ericsson			Mikael

				s			Capabilities	3rd Sent to S1 June 3	Pending	continued work with Terminal Capabilities				Dahlqvist
427		No	Yes	Yes	06.09.02		Addressing	Noted - Barbara		ETSI liaison point for UMTS naming and addressing matters	ETSI TC NA			
352	459	Yes	Yes	Yes	06.09.02.02	LS(P)	Service Capabil	Pending Michael Dahlquist To be Agreed by e-mail	e-mail	Resp to 251+321	Ericsson			Mikael Dahlqvist
442		Yes	Yes	Yes	06.10.01.01	LS(in)	Multi-Mode	For next meeting, wait for s2 comments	S1#5	on the Network recognition of the registered mode of a Multi-mode terminal	T2-99513 SWG5 Multi-Mode Terminals			
450	459	No	No	Yes	06.10.02.01	LS	Service Capabil	notes		Ref to 459 Proposed investigations for LS answer on "Identification of service capabilities" in S1-99251	e-Mail M.Dahlqvist			
459		Yes	Yes	Yes	06.10.02.01	Proposal	Service Capabil	???????	e-mail	Proposed investigations for LS answer on "Identification of service capabilities" in S1-99251	Ericsson			Mikael Dahlqvist
438	460	No	No	No	06.10.02.02	e-mail	Terminal capabi	notes		Principles for the continued work with Terminal Capabilities - See Tdoc 460	Ericsson			Mikael Dahlqvist
460		No	No	Yes	06.10.02.02	LS(P)	Terminal Capabi	?????		on Principles for the continued work with Terminal Capabilities	Ericsson			Mikael Dahlqvist
484		No	No	No	06.10.06		LCS			Clarification of Location Service (agenda item 6.10.6)	NTT Docomo			Katsuya Kawamura
441		No	Yes	Yes	07.01.00	Proposal	Multimedia	Noted - Provides background on Multimedia		Proposal for MM services within UMTS	CSELT, TIM, BT, T-Mobil			
467	509	No	Yes	Yes	07.02.00	Specific ation	Multicall			22135-120.doc Replaced by 509	MCC	22135 -100		
486		Yes	Yes	Yes	07.02.00	MULTIMEDIA	MMS	to study		MultiMedia Messaging Stage 1	Bosch	22.14 0		Gunnar Schmidt
509		No	Yes	Yes	07.02.00		Multicall	Noted		Multicall specification				

			s						replaces 467				
527	No	Yes	Yes	07.02.00	Specification	Multicall	Output of adhoc meeting		22135-130_MultiCall.				
384	No	No	Yes	07.02.01	LS(in)	MultiCall	???		Liaison Statement on the requirements for Multicall	NP-99177 N2 99 685			
385	No	No	Yes	07.02.02	Meeting	MultiCall Multi	???		Proposal for a joint meeting on Call related R99 issues	N1			
439	No	No	Yes	07.02.03	LS(in)	Multicall	???		on Comments on 3GPP specification 22.135, Version 1.0.0, Service Aspects of Multicall	N_SS-99040			
493	Yes	Yes	Yes	07.02.04	CR(P)	MULTIMEDIA & MC	Study over e-mail before S1#5	e-mail	Multimedia protocol selection	N1-99687 TSG-SA Working Group 1 (Services) meeting #4 TS G S1#4 (99)xxx Quebec City, Quebec, Canada 6th-9th, July 1999 Agenda Item:	22100	Axxx	
468	No	Yes	Yes	07.05.00	Report	TE & Smart Card	Noted		22907-313_NOT_TO_BE UPDATED.doc	MCC	22907-313		
469	No	Yes	Yes	07.05.00	Report	Charging & Acnt	Noted		22924-311_Not-to-be-updated.doc	MCC	22924-311		
470	No	Yes	Yes	07.05.00	Report	QoS & NETWORK P	Noted		22925-311.doc	MCC	22925-311		
471	No	Yes	Yes	07.05.00	Report	MultiMedia Svcs	Noted		22960-301.doc	MCC	22960-301		

472		No	Yes	Yes	07.05.00	Report	VHE Report	Noted		22970-301.doc	MCC	22970-301		
473		No	Yes	Yes	07.05.00	Report	Roaming	Noted		22971-311.doc	MCC	22971-311		
474		No	Yes	Yes	07.05.00	Report	MultiMedia	Noted		22972-000.doc Service aspects; Real Time Multimedia	MCC	22972-000.		
475		No	Yes	Yes	07.05.00	Report	Addressing	Noted		22975-301.doc	MCC	22975-301		
401		No	No	No	09.00.00	Report				Report from This Meeting (Quebec)				
497		No	No	No	12.00.00	Calendar	Calendar	Noted		ETSI Calendar of MeetingSA.doc	MCC			Emmanuel le Wurffel

ANNEX D - RESULTS -

ANNEX D1 - OUTPUTS - LIAISONS STATEMENTS

Doc	Type	Topic	Title	Result	To	Source	Who?
542	LS(out)	All-IP	from 526 - Liaison statement	Agreed	S2,SMG2,RAN,copy	S1	Tommi
552	LS(out)	MExE, SAT	Role of MExE and SAT within the	Agreed	T2, T3	Siemens,	M.Leitgeb,
460	LS(out)	Terminal	on Principles for the continued work	Agreed via e-mail	T2	Ericsson	Mikael
528	LS(out)	Management	Specs transfer from SMG1 to S1	Agreed, Follow-Me to be	Ian Doig, MCC		

ANNEX D2 - OUTPUTS - CRs (CHANGE REQUESTS) AGREED

Doc	Pen	Elec	Type	Spec_N	CR#	Result	To	Topic	Title	Source	Who?
538	No	Yes	CR	22100	A022	Agreed updates 383	SA#5	UMTS Ph1 Future	To propose the organisation of standardisation for future releases.	FT	JP Gallaire
544	No	Yes	CR	22100	A023	Agreed (Merged CRs 476 +518)	SA#5	Terminology	Editorial changes related to terminology	Nokia	Tommi Kokkola
382	No	Yes	CR	22100	A024	Agreed	SA#5	3G Phase 1	Editorial Changes to account for the new specification numbering scheme	France Telecom	Jean Paul Gallaire
548	No	Yes	CR	22105	A015	Agreed	SA#5	QoS	CR for 22.105 removing the notes below the QoS tables	BT	Wayne Ashwell
547	No	Yes	CR	22105	A016	Agreed	SA#5	QoS	CR for 22.105 Class of Bearers	BT	Wayne Ashwell

481	Yes	Yes	CR	22105	A017	Agree to CR unless others have pbs with it, Wayne fr ME/MS C	SA#5 Wayne	Service Capab	Editorial Change to 22.105	BT	Wayne Ashwell
540	No	Yes	CR	22129	A002	Agreed	SA#5	Handover	For R99 there can only be one target PLMN for HO in addition to the serving PLMN for R99 in a given geographical area.	t-Modus	David Cooper
533	No	Yes	CR	22129	A003	Agreed	SA#5	Handover	Revised terminolgy to 22.129	t-Modus	David Cooper
516	No	Yes	CR	22129	A004	Agreed	SA#5	Handover	GSM UMTS Handover	t-modus	David Cooper
500	No	Yes	CR	22129	A005	Agreed	SA#5	Handover	SMS handover requirement clarification	Ericsson	Pierre Truong
553	Yes	No	CR	22129	A006	Include hooks Agreed	SA#5	Handover	from 539		David Cooper
541	No	Yes	CR	22129	A007	Agreed	SA#5	Handover, Manda	from 489 - Clarification of the scope of mandatory requirements	T-Modus	David Cooper

ANNEX D3 - OUTPUTS - CRs (CHANGE REQUESTS) POSTPONED to S1 Munich or TAGGED for e-mail Discussions

493	Yes	Yes	CR(P)	22100	Axxx	Study over e-mail before	e-mail	MULTIMEDIA	Multimedia protocol selection	N1-99687	
545	Yes	No	CR(P)	22100	Axxx	repl 494 - Del Sect 8,	Paul Dwyer	Services	from 494 - Delete Sect 8,	Vodafone	Paul Dwyer
546	Yes	Yes	CR(P)	22101	Axxx	Postponed	Horst Rauch	SIM USIM	from 495 - USIM to contain SIM	t-Mobil	Harst Rauch
550	Yes	Yes	CR(P)	22101	Axxx	Agree,invite CR next	Horst Rauch	IMUI-IMSI	IMSI = IMUI		
531	Yes	Yes	CR(P)	22105	Axxx	To study further -	S1#5 , Jan	VHE	To align service capabilities and	Fujitsu	Jumoke
549	Yes	No	CR(P)	22105	Axxx	e-mail to add IP 4 by CR	Wayne	IP	CR to 22.105 to add IP v4	BT	Wayne
407	Yes	Yes	CR(P)	22115	A005	re-submit to next meeting	S1#5	Charging	Clarification of "Shall" and	TIM	Emanuele
525	Yes	Yes	CR(P)	22121	Axxx	Debated in adhoc		VHE	Enhancement to "VHE role	Ericsson	Erwin van
551	Yes	No	CR(P)	22121	Axxx	from 536 - By 13 August	e-mail JP	VHE	from 536 QoS Negotiation	FT	JP Gallaire
535	Yes	Yes	CR(P)	22121	Axxx	For further study &	S1#5 , e-	VHE	Charging Capabilities	FT, TIM	JP Gallaire,
537	Yes	Yes	CR(P)	22121	Axxx	Extended e-mail	S1#5 , e-	VHE	Generic Service capability	FT	JP Gallaire

ANNEX D4 - PENDING ACTIONS ITEMS on LS, PROPOSALS, WIs

Doc	Pe	Elect	Type	Spec_N	CR#	Topic	Title	Result	To	Who?	Source	Note
406	Yes	Yes	LS Chang es			Services	Definitions, symbols and abbreviations	to study & Gen a CR on 22101	David Cooper, Paul Dwyer	Ferrial Chummun	Sony	

			Propo sed									
554	Yes	Yes	LS(in)				LS about Overall Delay Budget within the Access Stratum Results and Requirements	Not addressed !				RAN3
505	Yes	Yes	LS(in)			Bearer	Bearer Modification without pre-notification	talk with N1, N3 to clarify issues	Wayne Ashwell			N3-99137
508	Yes	Yes	LS(in)			Comments	Comments on S1 Specs	???				N3-99132
511	Yes	Yes	LS(in)			Data	Report of CN3 workshop on CS Data Services in UMTS	Ref to 367 to study & check no contradiction	Wayne Ashwell, Tommi Kokkola			N3-99152
483	Yes	Yes	LS(in)			Emergency	Proposal for Emergency Call (agenda item 6.1.1)	Agreed - Draft CR 22101 - Next meeting	Paul Dwyer	Katsuya Kawamura	NTT Docomo	
501	Yes	Yes	LS(in)			Emergency Num.	Emergency numbers in Korea	Agreed Paul to include 119 in CR in 22.101	Paul Dwyer	Sangyong Kang,david02@kt.co.kr	Korea Telecom TNL	
507	Yes	Yes	LS(in)			FAX	Fax Service	NTT Docomo to contact T2, N3 & reach resolution	NTT Docomo			N3-99126
442	Yes	Yes	LS(in)			Multi-Mode	on the Network recognition of the registered mode of a Multi-mode terminal	For next meeting, wait for s2 comments	S1#5			T2-99513 SWG5 Multi-Mode Terminals
444	Yes	Yes	LS(in)			QoS Performance	to TSG SA on the ITU-R TG 8/1 revision of Recommendation M.1079	to study with report at next meeting - Noted	S1#5, Wayne Ashwell			SP-99312
456	Yes	Yes	LS(in)			Security	Clarification on the security requirement "USIM-Terminal lock"	Study+Draft rep >T3/S3, if necessary prep cr 22.022 & 22.101	Paul Dwyer			T3-99180
457	Yes	Yes	LS(in)			USIMs in UICC	on multiple USIMs in a UICC	Paul Dwyer to prep an LS following e-mail debate!	e-mail discussion			T3-99154
352	Yes	Yes	LS(P)			Service Capabil	Resp to 251+321	Pending Michael Dahlquist To be Agreed by e-mail	e-mail	Mikael Dahlkvist	Ericsson	
486	Yes	Yes	MULTI	22.140		MMS	MultiMedia Messaging	to study		Gunnar	Bosch	

			MEDIA			Stage 1			Schmidt		
510	Yes	Yes	Proposal			PIAFS	The feasibility of the provision of PIAFS in UMTS	To study proposed service requirement & Report to S1	Mr Ishikawa, NTT Docomo		N3-99150
524	Yes	No	Proposal			R2000	Identify Service Requirements in ref to 412	Postponed	xxx	Anita Olsson	Telia
534	Yes	Yes	Proposal			R99	UMTS Rel 99 Cross ref of req's & what should be available	study	e-mail, input next S1	Barbara Reed	Adhoc Group on UMTS Release 99
459	Yes	Yes	Proposal			Service Capabil	Proposed investigations for LS answer on "Identification of service capabilities" in S1-99251	???????	e-mail	Mikael Dahlqvist	Ericsson
479	Yes	Yes	Proposals			IP	Requirements for an all-IP-Based Network	Actions fr Jim Whitehead for further definitions	Jim Whitehead: Responses	Wayne Ashwell	BT
423	Yes	Yes	Requirements			LCS	Location Based Services - Service Requirements Document of the Services Working Group	Approach is endorsed, Jan Kall to report back		Jan Kall	North American Int Group GSM Assoc
417	Yes	Yes	Requirements			Management	Service requirements for next release	Agreed - Remove non R99 Service Requirements, with ACTIONS See Rep	S1 Rapporteurs		SP-99263 France Telecom
426	Yes	Yes	ToR Addressing			Addressing	Need for a common addressing format	ARIB/TTC invited to join group	Barbara Reed	Barbara Reed	ETSI
514	Yes	Yes	WI			PIAFS	S1-99514_N3-99149_Prop_WI_PIAFS-in-UMTS.rtf	Discussed within 510	Mr Ishikawa, NTT Docomo	Ishikawa	N3-99149.rtf
422	Yes	Yes	WI(P)			LCS	Proposed Work Item on Location Services for UMTS	SA endorsed, Insure common service req GSM, UMTS	Jan Kall		SP-99327

ANNEX D5 - SPECIFICATIONS FOR APPROVAL - NONE

None !

ANNEX D6 - WORK ITEMS - NONE TO PRESENT FOR APPROVAL

Doc	Result	To	Type	Topic	Title	Source	Who?
422	SA endorsed, Insure common service requirements in GSM as in UMTS	Jan Kall	WI(P)	LCS	Proposed Work Item on Location Services for UMTS	SP-99327	
514	Discussed within 510	Mr Ishikawa, NTT Docomo	WI	PIAFS	S1-99514_N3-99149_Prop_WI_PIAFS-in-UMTS.rtf	N3-99149.rtf	

ANNEX E - SMG SPECIFICATIONS TRANSFERRED TO 3GPP

Type	Number	GSM No	Equivalent GSM Ver	Title
TS	22.002	02.02	8.0.0	Bearer Services Supported by a GSM PLMN
TS	22.004	02.04	8.1.0	General on Supplementary Services
TS	22.011	02.11	7.0.1	Service accessibility
TS	22.016	02.16	7.0.0	International Mobile Equipment Identities (IMEI)
TS	22.022	02.22	7.0.0	Personalisation of GSM ME Mobile functionality specification - Stage 1
TS	22.024	02.24	7.0.0	Description of Charge Advice Information (CAI)
TS	22.030	02.30	7.1.0	Man-Machine Interface (MMI) of the Mobile Station (MS)
TS	22.034	02.34	8.1.0	High Speed Circuit Switched Data (HSCSD) - Stage 1
TS	22.038	02.38	1.2.0	SIM application toolkit (SAT); Stage 1
TS	22.041	02.41	7.0.0	Operator Determined Call Barring
TS	22.042	02.42	8.0.0	Network Identity and Time Zone (NITZ), stage 1
TS	22.043	02.43	7.1.0	Support of Localised Service Area (SoLSA) - Stage 1
TS	22.057	02.57	8.0.0	Mobile Station Application Execution Environment (MExE); Stage 1
TS	22.060	02.60	8.1.0	General Packet Radio Service (GPRS); Stage 1
TS	22.066	02.66	7.0.1	Support of Mobile Number Portability (MNP); Stage 1
TS	22.067	02.67	7.0.0	Priority Set-up Service(PSUS); Stage 1(ASCI spec)
TS	22.068	02.68	7.0.1	Voice Group Call Service (VGCS); Stage 1(ASCI spec)
TS	22.069	02.69	7.0.1	Voice Broadcast Service (VBS); Stage 1(ASCI spec)
TS	22.071	02.71	7.0.0	Location Services (LCS); Stage 1 (T1P1)
TS	22.072	02.72	7.2.1	Call Deflection (CD); Stage 1
TS	22.078	02.78	8.0.0	CAMEL phase 3; Stage 1
TS	22.079	02.79	7.0.0	Support of Optimal Routing; Stage 1

TS	22.081	02.81	7.0.0	Line Identification Supplementary Services; Stage 1
TS	22.082	02.82	8.0.0	Call Forwarding (CF) Supplementary Services; Stage 1
TS	22.083	02.83	7.0.0	Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 1
TS	22.084	02.84	7.0.0	MultiParty (MPTY) Supplementary Service; Stage 1
TS	22.085	02.85	7.0.0	Closed User Group (CUG) Supplementary Services; Stage 1
TS	22.086	02.86	7.0.0	Advice of Charge (AoC) Supplementary Services; Stage 1
TS	22.087	02.87	7.1.1	User-to-user signalling (UUS); Stage 1
TS	22.088	02.88	7.0.0	Call Barring (CB) Supplementary Services; Stage 1
TS	22.090	02.90	8.0.0	Unstructured Supplementary Service Data (USSD); Stage 1
TS	22.091	02.91	7.0.0	Explicit Call Transfer (ECT) Supplementary Service; Stage 1
TS	22.093	02.93	7.0.0	Call Completion to Busy Subscriber (CCBS); Stage 1
TS	22.094	02.94	1.0.0	Follow Me Stage 1
TS	22.096	02.96	7.0.0	Calling Name Presentation (CNAP); Stage 1 (T1P1)
TS	22.097	02.97	7.1.0	Multiple Subscriber Profile (MSP); Stage 1

ANNEX F – LIST OF DOCUMENTS REFERENCED IN THIS AGENDA

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