

TSG-SA Working Group 1 (Services) meeting #3

TSGS1#3(99)287

Hampton Court, Surrey, UK 10<sup>th</sup>-12<sup>th</sup> May 1999

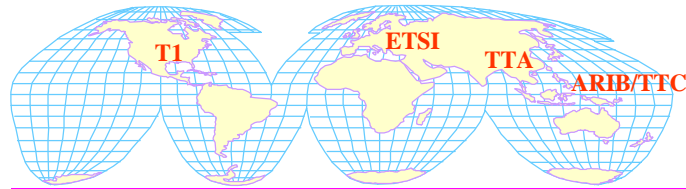
Agenda: 3.1

**TSG-SA Working Group 1 (Services) meeting #2**

**TSGS1#2(99) 228**

**Edinburgh, Scotland 9<sup>th</sup>-12<sup>th</sup> March 1999**

**April 7<sup>th</sup>, 1999 D4**



## **3<sup>rd</sup> Generation Partnership Project**

# **UMTS**

## **Report Draft Version 1**

### **TSG\_SA\_WG1#2 99-2 Plenary Meeting**

9<sup>th</sup>-12<sup>th</sup> March 1999  
Edinburgh, Scotland

<b>TSG_SA_WG1 Convenor:</b>	<b>Alan Cox</b>
<b>Secretary:</b>	<b>Roger Tarazi</b>

## DRAFT REPORT

**TITLE:** REPORT OF THE 3GPP\_TSG\_SA\_WG1 (Services) Meeting #2 (99-2)

**SOURCE:** R.Tarazi, SECRETARY, A K Cox, CONVENOR

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## 1. EXECUTIVE SUMMARY

The meeting was held in Edinburgh, Scotland, organised by Lucent Technologies and kindly hosted by them, together with One2One, Orange and Vodafone.

The Convenor, Alan Cox opened the 3GPP\_TSG\_SA\_WG1 (generally abbreviated to S1 for simplicity) meeting and welcomed delegates from T1P1 (USA), ARIB/TTC (Japan) and ETSI (Europe). There was no delegate from TTA (Korea). This meeting focused on topics pertinent to UMTS only, following on from the SMG1 meeting, which focused on GSM, including GSM/UMTS matters The Virtual Home Environment, although, common to both GSM and UMTS, was addressed in this meeting along with the Open System Architecture which embraces all the tools that address UMTS' Service Capabilities.

During this meeting, as mandated by 3GPP, elections were held, resulting in the election of Alan Cox, Vodafone, as Chairman of S1 and as Vice-Chairmen David Cooper, TELECOM MODUSNEG and Tommi Kokkola, Nokia. There were no other candidates from any of the regions despite strong invitations.

This meeting focused mostly on the merging of the different regions' requirements and further development of Release 99, resulting in:

- 18 Change Requests affecting 4 Specs (22.00, 22.01, 22.05 and 22.15) - Agreed or Pending e-mail agreement,
- 9 Liaison Statement covering the following topics (LCS, Multicall, Transcoder MM, HandOver, Fax Data, QoS, VHE, Security, Cross Compatibility)
- 2 Agreed Work Items on MultiCall and IS41
- 2 Specifications to be presented at SA#3: TS 22.21 on VHE as Version 1.x.y and TS 22.29 on Hanover as Version 2.x.y,
- 2 Specifications to show in their Scope that they will not be updated anymore: 22.07 (Terminals) and 22.24 (Charging),

A number of Action Points were sent for e-mail discussions and agreement. This meeting launched already:

- 7 e-mail lists: multicall, handover, Charging, Multimedia, QoS, VHE, SMS
- 3 Adhocs on: MultiCall (with a Stage 1 Description), QoS and VHE

There are a number of Action Points and Pending results that are all documented in Section 12 below. A well documented process for approving e-mails per correspondence is in the process of being adopted.

## 2. Adoption of Agenda (UMTS)

Agenda was approved.

## 3. Review Objectives

The objective of the meeting was to elaborate the stage 1 specifications for UMTS that are needed for Release 99, taking into account the requirements of all the Partners. It is important that these become quickly stable, to give clear and timely guidance on requirements to all the other groups within 3GPP.

## 4. Election of Chairman and Vice Chairmen for S1

In preparation for the election of one Chairman and two Vice-Chairmen during the S1 meeting, the 3GPP Secretariat informed all members, that, in view of the logistics needed to run the voting process, it was desirable for delegates to present their candidacy at least 2 weeks in advance to the meeting by submitting a document of support from their organisation along with their CV, though, technically, candidates could present themselves any time prior. Two persons complied with this process: Alan Cox for the position of Chairman and David Cooper for the position of vice-chairman.

		Tdoc
4.1	Candidate(s) for S1's Chairmanship	141 (Alan Cox, Vodafone)

During the S1 meeting, a representative from Telecom Italia Mobile expressed, verbally, his intent, through Emanuele Montegrosso, TIM, for his candidacy to the chairmanship position. This was welcomed by the Convenor. Shortly after TIM's announcement, Emanuele announced the withdrawal of that candidacy.

Alan Cox, reiterated the call for any further candidacy for the chairmanship, but none was offered. Wayne Ashwell then proposed that Alan Cox be elected by acclamation, which was approved by the Plenary.

4.2	David Cooper, (TELECOM MODUSNEG) Candidate Vice Chairman	157 (David Cooper, TELECOM MODUSNEG)
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Chairman announced that there are 2 open positions for Vice-Chairmanship and solicited the delegates from all regions to express their interest to present their candidacy for vice-chairmanship. David Cooper's Candidacy was unanimously supported by the plenary. Regarding the 2<sup>nd</sup> Vice-Chairman position, the Chairman invited especially T1P1 and ARIB/TTC partners, while noting TTA's (Korea) absence, to express their interest to present a candidate from their region. Given that there was no one available, Tommi Kokkola from Nokia expressed his interest to be a candidate for that position. After consultation by the chairman with the ETSI secretariat, the Meeting approved Tommi Kokkola's candidacy as the 2<sup>nd</sup> Vice Chairman of S1.

During the meeting the Chairman, assigned to David Cooper the responsibility to concentrate on the relationship with non-European members and given his affiliation with TELECOM MODUSNEG, he was tasked to assist in the link between Japan and S1, while Tommi Kokkola will assist the Chairman especially regarding administrative procedures. It was noted that this does not mean that we are taking duties away from other delegates!

## 5. Approval of Report of SA\_WG1 99/1 held in Sophia Antipolis.....

		Tdoc
5.1	Sophia Antipolis Report	105

Report was approved.

5.2	E-Mail Approval Procedures	169 Agreed
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Contribution on e-mail approval procedures was agreed and will be applied to both in SMG1 and S1. Document was presented and debated as well in the WOME#9 meeting.

5.3	Working Procedures 01.00 Working Procedures for 3GPP (Approved at Fort Lauderdale)	170, 176 WP 3GPP
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Tdoc 170 contains the SMG Specification 01.00 related to working methods of SMG. It was noted. Tdoc 176 is the equivalent version for 3GPP. It was also noted.

Wayne Ashwell enquired if this has been compared with the 3GPP Working procedures. It was stated that the 3GPP Working Methods document is equivalent to SMG's 01.00. It is clear that S1 working methods must be fully harmonised with those of 3GPP and WOME is expected to verify this.

## 6. Reports from TSG SA#2, SMG#28, SMG1 and other groups

	TOPIC	GSM	NAME	
6.1	Report from ETSI SMG#28 - Milan			106 (Tdoc 003 from SMG1 file) noted

SMG approved the transfer of all specifications and reports (Approved & Work in progress). SMG has therefore, no more control over the UMTS 22 Series.

- SIM Toolkit, MExE, CAMEL will be under joint responsibility for development and approval, but remain in 02 Series and handled in SMG1 meetings.
- 02 Series is SMG1's responsibility only,
- 22 Series is S1's responsibility only.

Chairman reviewed the version numbering procedure. SA would be invited to make formal approval of all the UMTS Specifications already approved by SMG (see below).

It was noted that Type Approval regimes can be different in various regions.

The issue was raised on removing the requirement for inter-operator handover from R99 of UMTS. The decision was contested and reversed. See below.

This report was noted.

6.2	Report from 3GPP_TSG_SA#2 - Florida			107
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Chairman reviewed the report. Some of the issues/comments raised are:

- SA did approve the transfer of the 22 series specifications and reports from SMG, endorsing the approval of those already approved by SMG. Furthermore, they approved UMTS 22.00 and a number of Change Requests from S1.
- ARIB and TTC documents were considered as input documents to S1, not output documents.
- The IS-41 Work Item was taken to PCG who raised the question on why we are working on IS-41.

Chairman's response was that, as agreed by PCG, it is necessary to consider the global aspects of global roaming and network to network interworking. Furthermore, he stressed the fact that we are not trying to design a system based on IS-41, nor are we trying to design an IS-41 core evolved network. Our task is to design a GSM evolved network. PCG had proposed that we do a feasibility study on how to roam with an IS-41 network and this was agreed by S1. Adel Rouz, Fujitsu stated that TTA is asking about the interoperability between UTRAN and IS-41. Issues will be debated further at SA#3 Meeting in Japan in April 26-28.

- EP UMTS is focusing at long term developments of UMTS including TINA, CORBA. It was commented by Derek Richards that EP-UMTS is busy defining their ToR and it is more appropriate for S1 to focus on other priority items noting the urgent milestone to prepare stable deliverables by end of April 99. A joint one day meeting to agree common service related aims, probably, during an S1 meeting may be planned with EP-UMTS. A Liaison Statement in **Tdoc** 229 has been sent to EP-UMTS informing them of S1's interest to exchange information with them and making them aware of S1's meeting dates.

6.3	Report from SA_WG1#1 - Sophia Antipolis			105
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Report was agreed.

## 7. Review of Work Packages, Deliverables & Schedules

	TOPIC	GSM	WI Rapporteur	Tdoc
7.1	<b>UMTS Management</b>			
7.1.2	Work Packages			

To be debated in other sections.

7.1.3	CR Data Base for UMTS Specs			109
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It was noted.

7.1.4	Specs Data Base for UMTS			108
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Noted needs updating.

7.1.5	CR Form			
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An updated CR Form was provided, though, not specifically dedicated for UMTS.

7.1.6	UMTS Work Program 30.00			110 (147 contains up-to-date data on specs and rapporteurs)
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**Tdoc** 110 contains the UMTS 30.00. From the S1's perspective information contained in this document has been superseded by S1's report in **Tdoc** 147 which contains the updated list of specifications and rapporteurs. Barbara Reed raised the issue of the status of TR 22.70 and TS 22.21. It was agreed that this TR will be changed to indicate in the scope that it will not be maintained any more.

7.1.7	UMTS Baseline document 30.01			111
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This document summarises all decisions taken at SMG with respect to UMTS. It was noted.

7.2	<b>Release 99 Proposal</b>			
	UMTS Phase 1 structure			

7.3	<b>Progress on existing WIs and Proposals for new Work Items</b>			
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All the following Work Items were noted, however Tommi Kokkola requested to have the time schedules reviewed. Tommi Kokkola and Wayne Ashwell were tasked to check with Rapporteurs in parallel and to update the WI Sheets and the schedules.

This will form the basis of the report of S1 into SA#3.

### ACTION POINT:

Task: Update WI Time Schedules.

Names: Tommi Kokkola, Wayne Ashwell

Date: By end of March 1999

See Annex 3 for summary of S1 Work Items. This table will be continuously updated in the annex of each report.

<b>7.3.1</b>	GSM to UMTS Evolution	GSM Specs	Tommi Kokkola, Nokia	<b>127</b>
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This was noted.

<b>7.3.2</b>	IS 41 to UMTS Interworking	TTA Specs	Chang Yong, TTA	<b>128 &gt;&gt;&gt;&gt; 212 Agreed?</b>
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Tdoc 128 contains a WI on IS41. It was originally prepared by Chang Yong from SAMSUNG Electronics, LGIC (TTA, KOREA) yong@telecom.samsung.co.kr at the S1#1 Meeting. It was further updated in Tdoc 212 by Tommi Kokkola, Nokia in the form of a feasibility study as requested by the PCG. The main set of service requirements for this are global roaming, hand-over, and interoperability with 2<sup>nd</sup> and 3<sup>rd</sup> generation IS41 Networks.

**ACTION POINT:**

Task: Rapporteurship for IS41  
 Names: Derek Richards proposed for Lucent to be the rapporteur on this WI if Samsung are unable to continue with it..  
 Alan Cox, meanwhile, is awaiting Craig Bishop's/Samsung interest in supporting the IS41 WI.

<b>7.3.3</b>	22.00 UMTS Phase 1	22.00	David Verrier, FT	<b>129</b>
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Noted this WI and all the following WIs.

<b>7.3.4</b>	UMTS Services	22.01	Paul Dwyer, Vodafone	<b>130</b>
<b>7.3.5</b>	UMTS Services and Service capabilities	22.05	Wayne Ashwell, BT	<b>131</b>
<b>7.3.6</b>	Charging and Accounting	22.15	Emanuele Montegrosso, TIM	<b>132</b>
<b>7.3.7</b>	Virtual Home Environment	22.21	Jumoke Ogunbekun, Fujitsu	<b>133</b>
<b>7.3.8</b>	Quality of Service	22.25	Olle Eriksson, Ericsson	<b>134</b>
<b>7.3.9</b>	Handover GSM<->UMTS	22.29	David Cooper, <a href="#">TELECOM MODUSNEC</a>	<b>135</b>
<b>7.3.10</b>	Advanced Addressing	22.75	Stephan Kleier, MMO	<b>136</b>

<b>7.3.11</b>	Draft Proposed WI for Terminal capabilities		David Cooper, NEC	<b>166 noted</b>
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This WI was presented by David Cooper. Some of the comments were:

- Erwin Postmann indicated that this is similar to GSM 02.07,
- Mobiles can take different shapes and every terminal must be able to authenticate itself to the network,
- Important to have some type of terminals defined for R99,
- Time scale is still rough. This will be detailed at next TSG\_T meeting,
- Contents of 22.07 to be moved to 22.05 as stated below - [Done by Mika Tolvanen- \(Action Mika Tolvanen and David Cooper\)](#)

Contribution was noted.

**Tdoc 232** is a contribution from T2 received post S1 Meeting in which they outline a set of fundamental definitions that T2 finds it appropriate to use within this work. They state further that the prime work priority is to achieve stable specifications for the baseline implementation capabilities. Amongst the service capabilities, the specification work for the capabilities to support the default speech service is of priority. In the work with Terminal Capabilities, the guiding principle for the WGs should be to minimise the number of mandatory implementation capabilities. This contribution was sent to all 3GPP WGs. This was sent to the S1 list for information on April 1<sup>st</sup>, 99.

<b>7.3.12</b> See also <b>9.0.2</b>	Proposed WID on multicall		Jumoke Ogunbekun	<b>173</b> <b>189 (Tommi to draft)</b> <b>138 CR 2200A004 Pending</b>
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Multicall WI is a Joint contribution from Fujitsu & Nokia supported by NTT DoCoMo, Fujitsu, NEC, T-Modus, Nokia and BT. In Tdoc 144 as shown below, N2 invites S1 to develop a WID for Multicall to be reviewed by N2 at their meeting in early May 99. S1 agreed to develop such a WI on MultiCall. Issue was raised on the Service Capabilities requirements and tools needed in 3GPP 22.05 to support multi-call.

**Tdoc 173** contains the initial draft of the multicall Work Item indicating also that S1 is the prime responsible for its service description. It was further revised by Tommi Kokkola using the agreed WI Form in Tdoc 189 with SA's approval to be sought.

It was also proposed to debate the Multicall WI through an e-mail discussion on a 3GPP\_TSG\_SA\_WG1\_MultiCall exploder. Further it was agreed to have an ad hoc meeting to draft stage 1. Outcome of work was agreed to be sent to S3, Security Group meeting March 23-26 (Mike



Walker) since this service can present a potential for fraud.

**ACTION POINT**

Task: Multicall - EMail Discussion  
 Inputs: **Tdoc 189** (WID), **Tdoc 138** (CR introducing multicall to 22.00), **Tdoc 144** (Liaison Statement from CN2 to S1),  
**Tdoc 192** (Liaison Statement from S1 to CN1, CN2, S3 copy to S2 - with Tdoc 189 WID attached.),  
**Tdoc 155** (multicall services), **Tdoc 186** (multicall scenarios),  
 Outputs: **Tdoc 230 to contain** Service Aspects Stage 1 MultiCall.

MultiCall Stage 1 Description in **Tdoc 230** to be submitted to SA#3 for Information, if agreed by S1.

<b>7.4</b>	<b>Project Management - Draft work programme</b> (Includes MS Project .mpp file)		To be elaborated to reflect agreed inputs from SA_WG1	<b>146</b> [From TSGS#2(99)010] Pending Status from SA#2 Florida ( <i>Provisional</i> )
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Work Programme drafted by Wayne Ashwell concerning the scheduling of all work items was noted. All Service requirement specifications are to be ready by end of April 1999 so that they can be input to the other groups.

<b>7.5</b>	<b>List of planned deliverables and time scales for Approval at SA Plenaries</b> ( 22 Series ....)			<b>147</b> [From TSGS#2(99)010] Pending Status from SA#2 Florida ( <i>Provisional</i> )
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Noted.  
 See Annex 4 for Summary of S1 Deliverables .

<b>7.6</b>	<b>New Version Management &amp; Specification deliverables</b>			
	Specs updated with SMG#28 & TSG SA#2 Approved CRs for information			

All CRs approved were updated in relevant specifications and made available in the S1 part of the server.

**8 UMTS Requirements, including harmonization**

	WI Title	GSM	WI Rapporteur	Tdoc
<b>8.1</b>	<b>GSM &gt; UMTS Evolved Network</b>			
<b>8.2</b>	Requirement for <b>MMI</b> specifications (Man Machine Interface)		Hidetoshi ISHIKAWA, NTT Docomo	<b>159 NTT Proposal &gt;&gt;&gt;Resulting in 202 CR 2201A016</b> Agreed

Tdoc 159 is a contribution from Hidetoshi Ishikawa from NTT Docomo. It was debated at length, noting some differences in the use of \* and # between other regions and Europe (in particular, US and European codes are totally different). Discussions resulted in having Paul Dwyer prepare a CR 2201A016 to 3GPP 22.01 that was agreed. Text added is summarised below:

Control of supplementary services (GSM 02.04) may use MMI procedures specified in GSM 02.30 and existing GSM MMI related MS features (GSM 02.07) may also be used. In particular the following features are highly desirable for uniform UMTS UE implementation where appropriate:

- Mapping of numeric keys to European alphabetic keys to ensure compatible mnemonic dialling as defined in 02.30,
- "+" key function to enable one key international access as defined in 02.07
- Structure of the MMI as described in GSM 02.30
- Presentation of IMEI (International Mobile Equipment Identity) as defined in 02.30

<b>8.3</b>	Main Differences between <b>ARIB and SMG</b> Service Requirements		Shinji Uebayashi, NTT Mobiles	<b>161 203 Tommi Kokkola, Derek Richards 204 / 205</b> Agreed <b>LS to T1P1.5</b>
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**Tdoc 161** is a study made by Shinji Uebayashi, NTT Mobiles comparing ARIB's "Requirements and Objectives for 3G Mobile Services and System" in **Tdoc S1-99022** which was submitted to the last S1 meeting in Sophia Antipolis with the UMTS 22.00 series. It identified issues related to WideBand Speech, Location Services, Group III Fax (See section 9.0.8) and Bit Rates for data services. Most other aspects appeared to show good correlation. The following outputs were generated:

**Tdoc 203** - An agreed Liaison Statement to RAN to enquire about the feasibility of a 50 meters accuracy for positioning systems and of what is achievable for R99,

**Tdoc 204** - An agreed Liaison Statement to T1P1.5 that was prepared by Gary Schlanger (on behalf of Anna Sillanpaa) requesting from ARIB to assess ARIB's LCS requirements and to set up a line of action for recommending any changes to the 3GPP Stage 1 specifications.

**Tdoc 205** contains the section on Location Services from the ARIB's requirements document submitted at S1#1 in Sophia Antipolis. It has been included in **Tdoc 204**.

### 9. UMTS Phase 1 Specification & UMTS Approved Reports / Specifications

	TITLE	UMTS	WI Rapporteur	Tdoc
	<b>9.0 UMTS Phase 1 Specification</b>	S22.00V3.1.0	David Verrier, France Telecom	<b>112</b> (CRs 22.00A001, 002, 007 Applied in anticipation of Approval at SA#2)

Specification was noted.

	Use of standard GSM SIM in UMTS: This is a requirement in UMTS 22.00, but SMG10 analysed that this will cause severe security problems. SMG10 had SMG1/TSG S1 to reconsider the requirement.
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Above statement is addressed in the following Liaison Statement.

**Tdoc 227** Cross compatibility issues between GSM and 3G is an Liaison Statement from T3 to S1, sent Post-S1 Plenary requesting confirmation on the following:

- a) A 3G terminal shall support a Phase 2 or later GSM SIM card, and offer GSM-like services in this case.
- b) A GSM terminal is not required to support a 3G UICC containing a USIM only
- c) A UICC shall be capable of supporting a GSM SIM as an application.
- d) A GSM Phase 2 or later terminal will support a UICC if the UICC contains a GSM SIM application according to GSM 11.11.

in which case, S1 ought to update TS 22.01 section 14, figure 4 to remove any ambiguities.

Post-S1, a contribution in **Tdoc 231** (contains Tdoc S3-99080 with Tdoc SMG10 98P 315) was received from the Security group, stressing the added risk factor in porting the GSM Security to a UMTS more secure environment and requesting S1 to reconsider its service requirement..

**ACTION POINT:**

S1 to respond to T3's Liaison Statement on Cross compatibility issues between GSM and 3G expressed in T3's contribution in **Tdoc 227** and to S3 concerns raised in **Tdoc 231**.

9.0.1	<b>CR - Regarding emergency call</b>	22.00A003r2	Yutaka Harada, NEC	<b>137</b> >>> <b>190 CR 2200A003r2</b> Revised Agreed (CR 22.00) >> and equivalent for 22.01 <b>219 CR 2201A017</b> Pending feedback
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In Japan, the destination of emergency call is different for police station or fire brigade, using two different numbers in Japan (i.e. \*110\* for police and \*119\* for fire brigade). It is required to support the capability to identify the type of emergency call for police or fire brigade in the call set-up. Issue was debated at length.

**Tdoc 190** contains a CR 2200A003r2. It describes the requirements for allowing the entry of two types of emergency call. After a lengthy debate, this was agreed.

**Tdoc 219** contains an equivalent CR to 22.01A017 which was drafted by Paul Dwyer, discussed and agreed by correspondence within 2 weeks.

**ACTION POINT:**

2-week E-Mail discussion  
Task: Introducing Emergency Call Requirement in UMTS 22.01 - CR Preparation 22.01A017 in Tdoc 219  
Name: Paul Dwyer

9.0.2	<b>CR - Requirements on MULTI-CALL</b>	22.00A004	Yutaka Harada, NEC	<b>138</b>
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This CR was Noted. It introduces multicall in UMTS Phase 1 specification (22.00) making it provisioned as a subscription, introducing the ability to have supplementary services applied to multicall. This is an input to be studied with that WI. Chairman stated that multicall WI is one key distinguishing feature from GSM.

	Liaison Statements on development of the Multicall capability in UMTS			<b>144</b> (LS to S1, copy to S2, T, CN, N1, N2) <b>192</b> (LS to N1, N2, S3, cc: S2 / Adel Rouz)
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Tdoc 144 is an LS on the development of the Multicall capability in UMTS from N2 (CN WG2) to S1 copy to: S2, T, CN, N1, N2 proposes that a general Work Item is established for Multicall, covering all the aspects of this new capability. Since the Multicall will have major impact on the subscriber's perception of the UMTS system, it is proposed that S1 shall lead the work on this topic and for C2 to examine the outcome of S1's work in early May 99.

	Multicall Service		(Katsuya Kawamura NTT Docomo)	<b>155 (Requirements)</b>
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This is to be discussed in the MultiCall e- Mail and in the meeting to be held end of March on MultiCall - See section 7.3.12

	<a href="#">Multicall Service</a>			
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9.0.3	<b>CR - Optimisation</b> of internetwork signaling	22.00A005 r2	Mutsuo SHIYA, Fujitsu	<del>439</del> 2200A005> replaced by <b>162</b> 2200A005r1 and further replaced by <b>193 2200A005r2</b> (AGREED)
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Tdoc 139 is a CR stating that UMTS phase 1 shall support "Global Roaming" as basic capability and given that the number of inter-network roaming will increase, it is therefore important to find means to reduce inter-network traffic. It was further revised in Tdoc 162 and then in Tdoc 193 as 2200A005r2 where it was finally agreed to remove the word optimisation, with the final bullet as: "The phase 1 UMTS core network shall provide an effective solution of inter-network traffic and signalling in case of global roaming". This was presented by Jumoke Ogunbekun from Fujitsu.

9.0.5	Answer to Liaison statement on UMTS Simultaneous Mode from SMG12			<b>143</b> (3GPP TSG C2 to S2, copy to S1)
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More information is required indicated Jeremy Fuller. Contribution was noted.

9.0.6	<b>CR - Security</b> Requirements of 22.00	22.00A	Paul Dwyer	<b>148 CR 2200A012</b> <b>185 CR 2200A013</b> <b>194</b> Liaison Statement to S3 cc C1, C2
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Tdoc 148 is CR 2200A012 reflecting changes of functional requirements to reflect views of SMG10. This has been conditionally agreed.

Tdoc 185 is CR2200A013 stating that a flexible protocol is needed in order to support various authentication algorithms. It was prepared by Jumoke Ogunbekun from Fujitsu.

Tdoc 194 is an Liaison Statement from S1 to S3, copy to N1 and N2 requesting them to validate above CRs and to confirm the feasibility for R99. (Attach 194 to Tdocs 148 and 185).

9.0.7	<b>CR - Addition of the description for "Account for user traffic and signalling traffic"</b>	2200Axxx	(Miyuki Soejima / NTC)	<b>140 withdrawn</b> <b>149 is replaced by</b> <b>195 2200A014</b> (David Cooper) AGREED
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Tdoc 195 is a rephrasing of the requirement expressed in the CR in Tdoc 149. It states simply that UMTS phase 1 core network shall support facilities for monitoring and measuring traffic flows and characteristics within the network, e.g. for congestion control. It was agreed.

9.0.8	Requirement for Voice-Band Data and FAX Services Standardisation	0200Axxx	(Katsuya Kawamura NTT Docomo)	<b>156</b> Requirements <b>196 CR 2200A008</b> introducing Fax Agreed C'I <b>199</b> Liaison Statement to T2 and C3 Agreed
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**Tdoc 156** is a contribution that formulates NTT Docomo's requirement for Voice-Band Data and FAX Services in UMTS Phase 1. This was debated at length and lead to a CR 0200A008 in **Tdoc 196** that was agreed conditionally. It introduces a text to reflect the meeting's agreement: Transfer of data to/from facsimile machines in the PSTN/ISDN should be supported seamlessly (as far as the user or the user's terminal is concerned) across the UMTS and GSM access network. UMTS will optionally support real time non-transparent fax service. Alternatively, a store and forward service is envisaged where some kind of file transfer program is used to transfer text or images to a store and forward unit for subsequent delivery to the facsimile machine in the PSTN/ISDN. The user (or the users PC) may receive notification of successful delivery of the fax.

It was noted that term "Voice-Band Data" does not implicate audio modems connected to mobile terminal, but dedicated mobile HW. Further none of delegates saw market need to run legacy audio modems / faxes on top of UMTS 64 kbits transparent bearer.

**Tdoc 199** is an Liaison Statement from S1 to T2 and C3 indicating that S1 has identified market requirements for the support of real time non transparent group 3 fax services using ITU-T T.30 in UMTS R99. As a result, it will be required to provide mechanisms for real time interworking towards group 3 fax

machines located in PSTNs. Technical groups are invited to consider mechanisms for supporting these new requirements noting that these requirements arise as a result of inputs from non-ETSI organisational partners, and reverse the previous deletion of the requirement to support real time fax services. Therefore S1 proposes to produce appropriate amendments to 22.00. It was agreed. (Tdocs 196 and 199 to be sent to T2 and C3)

9.0.8	Study on provision of facsimile services in GSM and UMTS 22.45 V.0.1.0			175 (Tommi Kokkola)
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It was noted.

9.0.9	CR - 2200 Graham Crisp on Fixed & Cordless access		Graham Crisp / Marconi - Wayne Ashwell / BT	158 Original CR to 22.00 - Not Accepted 206 Revision to 158 was agreed 221 <b>CR 2200A010</b> Prepare a CR to 22.00
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Tdoc 158 is a CR to 22.00 introducing the concepts of FMC, which had been presented by Graham Crisp at the S1#1 meeting in Sophia. A number of delegates expressed some difficulties in integrating the concepts introduced.

Chairman summarised the debates in stating that our mandate is to build a GSM evolved network while ETSI's mandate is to work on other evolved networks and UMTS is to include Private and Public domains.

S1 has to give a guidance to RAN and TE groups to prepare an architecture that will be able to accommodate requirements to be formulated at later stages. Based on TDD mode there will be support for pico cells and cordless. Following the Chairman's recommendations, the proposed change was further amended in Tdoc 206 and agreed. David Verrier has been tasked to prepare a CR cover sheet and mark the text in 22.00 appropriately resulting in CR in Tdoc 221. This was agreed.

9.0.10	Definition of Connection Mode			180 (CR 22.00 / Ericsson) 210 (Magnus Fyros) CR Rejected 220 <b>CR 2200A011 Withdrawn</b>
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Tdoc 180 is a proposed CR to replace the 22.00 definition of connection mode with the one in GSM 02.60. It was further revised in Tdoc 210 that was rejected and to be further revised in Tdoc 220 to be generated within 2 weeks to produce this 1<sup>st</sup> version and then 2 weeks to get the e-mail approval.

CR has been withdrawn. "The reason for this is that we want to wait and see what comes out of the QoS ad-hoc and the S2 architecture discussions before we can say if connection-oriented and connectionless' is the right approach to characterize different types of association between two endpoints in UMTS. (i.e. to define bearer services in UMTS)." Magnus Fyrö (Ericsson L.M.) - April 8, 1999

**ACTION POINT:**

~~Tasks: Produce a CR in Tdoc 220 to address the new definition of connection mode.~~

~~Send for e-mail approval~~

~~Name: Tommi Kokkola / David Verrier~~

~~Date: 2 weeks to produce + 2 weeks e-mail approval~~

9.0.10	Clarification on Number of bearer services			184 >> 201 >> 222 <b>CR 2200A009</b> (Olle Eriksson) revision
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Tdoc 222 is expected as an outcome of 2 iterations of revisions in Tdocs 201 and 184. This has been conditionally agreed.

**ACTION POINT:**

Task: Produce a revised CR in Tdoc 222 **CR 2200A009** concerning Clarification on number of bearer services,

Name: Olle Eriksson

Date: 2 Weeks

<b>9.1 Service principles</b>	S22.01V3.4.0	Paul Dwyer, Vodafone	<b>113</b>
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Tdoc 113 contains the latest approved version of UMST 22.01. It was noted.

Paul Dwyer has been tasked to show clearly in UMTS 22.01 what features are pertinent to UMTS Phase 1.

**ACTION POINT:**

Task: Show clearly in UMTS 22.01 what features are pertinent to UMTS Phase 1.

Name: Paul Dwyer

Date: Next S1 Meeting

<b>9.2 Services and Service Capabilities</b>	S22.05V3.3.0 SMG#26	Wayne Ashwell, BT	<b>114</b> (CRs 22.05A006 Applied already in anticipation of Approval at SA#2)
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Tdoc 114 was Noted

9.2.1	CR - Support of GSM BSs	2205Axxx	Tommi Kokkola, Nokia	<b>150</b> revised in <b>209 CR 2205A008</b> Agreed
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Tdoc 209 revises CR in Tdoc 150 and states that UMTS shall support GSM General Bearer Services (GBS) and interworking scenarios as specified in 02.02. With this change of wording, it was agreed.

9.2.2	CR - Enhancements & Editorial changes	2205A	Wayne Ashwell	<b>160</b> revised in <b>211 CR 2205AA007</b> (Wayne Ashwell, Tommi Kokkola)
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Tdoc 211 revises CR in Tdoc 160. It was agreed. It adds text for high quality speech to meet ARIB's requirement.

9.2.3	Support of service features and need for more details.....		Barbara Reed, BT	<b>163</b> (See Agenda item )
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Noted - it was considered that these aspects are already covered

9.2.4	Important Decisions for SMS for 3 <sup>rd</sup> gen systems		TSG Terminals Vice Chairman	<b>172</b> (Barbara Reed / Wayne Ashwell)
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Issue was debated. SMG1 has not required this level of modifications to SMS earlier. This issue need to be further studied at S1. E-Mail Comments by April 6, 1999.

**ACTION POINT:**  
 Task: E-Mail comments on SMS in Tdoc 172  
 Names: Barbara Reed / Wayne Ashwell, BT  
 Date: April 6 (Easter)

9.2.5	Clarification of Teleservice internet access			<b>182</b>
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Contribution was withdrawn.

<b>9.3 Terminal and Smart Card Concept</b>	R22.07V3.1.1 SMG#25 Appr SMG#27 CR	Mika Tolvanen, Nokia	<b>115</b>
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Rapporteur indicated that it was agreed at last meeting not to maintain UMTS 22.07 and to include in its scope that it shall not be updated. Mika Tolvanen was requested to work with David Cooper and move relevant parts of the contents of 22.07 into 22.05.

**ACTION POINT:**  
 Task: Add in Scope of TR 22.07V3.1.1, as a CR, that this report shall not be updated: To be done by next SMG1;  
 Name: Mika Tolvanen

**ACTION POINT:**  
 Task: Move relevant contents of 22.07 in 22.05,  
 Name: Mika Tolvanen, David VerrierCooper

<b>9.4 Service Aspects of Charging and Billing</b>	S22.15V3.0.0 SMG#28	Emanuele Montegrosso, TIM	<b>116</b>
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Noted

9.4.1	CR -1 UMTS Charging and Billing - Transfer of text from 22.24 into 22.15	2215Axxx	Emanuele Montegrosso, TIM	<b>151</b> revised in <b>215 CR 2215A001 r1</b> (e-Maill inputs - 2 weeks).
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Tdoc 215 contains a CR to 22.15 - Aside from editorial modifications, some additional text coming from the 22.24 has been included into this specification in order to clarify the concept of charging control

mechanisms. This was debated and Chairman recommended CR should show explicitly what is in R99 and what comes later. Furthermore, specification should not contain general descriptions mixed with specific requirements.

Delegates were invited to comment within 2 weeks by e-mail and then aim at getting it approved at SA#3 Meeting in Japan.

**ACTION POINT:**

Task: Revise Tdoc 151 CR to 22.15 in Tdoc 215

Name: Emanuele Montegrosso

Date: 2 weeks from the time Tdoc 215 is issued.

9.4.2	CR -2 UMTS Charging and Billing Upgrading of UMTS Charging and billing features	2215A	Emanuele Montegrosso, TIM	152 >>> <b>Withdrawn</b>
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Withdrawn.

9.4.3	CR -3 Upgrading of UMTS Charging and billing features	2215Axxx	Emanuele Montegrosso, TIM	153 >>> <b>216 (Withdrawn)</b>
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CR was debated and it was agreed to update it in Tdoc 216. This was subsequently Withdrawn because all the text related to the charging control mechanisms is now in the Tdoc 215 as indicated by Emanuele Montegrosso at the conclusion of the S1\_Charging e-mail discussion.

9.4.4	<b>CR to 22.15</b>	2215Axxx	Olle eriksson	<b>183 CR 2215A002</b> Revised in <b>234 CR 2215A002 r1 r1</b>
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Tdoc 183 contains a CR to 22.15 addressing a number of Clarifications of the charging service. Chairman recommended to have this document as an input to an e-mail debate to be run on a reflector list (S1\_Charging) with Emanuele Montegrosso as the rapporteur. A consensus was reached on S1\_Charging exploder list and the CR was revised in Tdoc 234 as shown above. Agreement is sought on the whole S1 list. (Sent April 6, 99)

<b>9.5 Charging and Accounting Mechanism</b>		R22.24V3.0.0 SMG#25	Emanuele Montegrosso, TIM	<b>117</b>
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This report is not supported anymore.

**ACTION POINT:**

Task: Make sure that DB records indicate that TR 22.24 (Tdoc 117) is not supported any more,

Name: Roger Tarazi

<b>9.6 Quality of Service (QoS) and Network Performance</b>		R22.25V3.1.0 SMG#24	Olle Eriksson Coordinates QoS activities	<b>118</b> (Use the information from 22.25 into 22.05 bringing in QoS requirements from other regions was proposed...)
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Noted.

9.6.1	End-to-End Network Performance			<b>145</b> (Australian Communications Industry Forum / ACIF C519 Oct 1998)
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Noted but not agreed.

	QoS Requirements – Working Order		Olle Eriksson	<b>177</b>
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Tdoc 177 is a contribution from Ericsson on QoS. It outlines the next steps to take in order to progress the QoS Work Item in Tdoc 134. This was debated at length and Chairman recommended to establish as soon as possible a joint meeting with S2 and to prepare jointly a report on QoS and the normative requirements that will be put in 22.05 by SA#3 meeting, end of April in Japan. This is a high priority task. List of QoS Parameters needs to be agreed by the next S1 meeting in May.

**ACTION POINTS:**

Task: Prepare a Joint S1, S2 Meeting to discuss QoS requirements (See Tdoc 218 below)

Discuss with S2 and RAN,

Send proposal for comments,

Reach a consensus,

Send list to be agreed by e-mail

Name: Olle Ericsson

Date: High Priority (QoS List Agreed at S1 in May and CRs to 22.05 to be approved at SA#3)

	QoS Requirements – Proposed List of Contents			478-replaced in 197
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Input to ad-hoc on QoS

	QoS Requirements – Communication Schemes			479-replaced in 198 Agreed
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Contribution agreed.

	Proposed Liaison Statement to the TSGS2 ad-hoc group on QoS			181 >> 218 (Attach 22.05 & 22.25) <del>is a revision of 181</del> 237 (Response to 218)
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Tdoc 218 is an agreed Liaison Statement to S2 inviting them to have a joint S1 and S2 meeting to progress the QoS WI. Specifications (Attach relevant closes of ) 22.05 and 22.25 are attached stating the fact that the primary output of this meeting are the Change Requests.

Tdoc 237 is a Response from TSG S2 to S1 on holding a joint meeting on QoS.

	<u>Quality of Service CR to 22.05</u>			239 (Report from S1_QoS Adhoc) 240 (CR
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<b>9.7 Mobile Multi-Media, Internet and intranet</b>	R22.60V3.0.0 SMG#25	Thomas Ahnberg	119
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Proposed to keep that specification.

9.7.1	Transcoders in MultiMedia	Katsuya Kawamura, NTT Docomo	187 Transcoder requirement 217 LS to T2, S2, S4 - Agreed
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Tdoc 187 is a contribution from NTT DoCoMo on Transcoders for Mobile Multimedia Services. This was debated at length. Some highlights of the debate were:

- Interworking functions should not be considered as mandatory,
- H.324 seems to be the de-facto standard said Tommi Kokkola,
- Depending on the market needs Transcoders might not be needed,

To shed more light on the requirement of transcoders, a Liaison Statement in Tdoc 217 including Tdoc 187 was agreed and sent to T2, S2 and S4 (Codec group).

<b>9.8 Virtual Home Environment</b>	R22.70V3.0.0 SMG#25	Jumoke Ogunbekun	120
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Noted

<b>9.9 Automatic Establishment of Roaming Relations</b>	R22.71V3.1.0 SMG#25	David Chambers	121
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Noted - To be maintained.

<b>9.10 Advanced Addressing</b>	R22.75V3.0.0	Stephan Kleier	122 223 CR 2201A014 (CR S.Kleier)
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Tdoc 223 is a CR to be prepared to 22.01 and sent by e-mail correspondence to be agreed.

**ACTION POINT:**

Task: Prepare a CR to 22.01 on Advanced Addressing in Tdoc 223  
Name: Stephan Kleier  
Date: 2 Weeks

**10. Work on Reports and Specifications in Progress and Planned**

	TITLE	UMTS	WI Rapporteur	Tdoc
	<b>10.1 ARIB's Requirements</b>			

Requirements debated in this document.

	<b>10.2 TTC's Requirements</b>			
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Requirements debated in this document.

**10.3 TTA's requirements**

There were no inputs from TTA, Korea at S2#2, though the IS41 WI was discussed and progressed.

**10.4 Service Aspects of Terminals and IC cards**

S22.10V0.0.4  
NOT TO PUT  
ON AGENDA  
IN FUTURE

Mika Tolvanen, Nokia

123

The meeting agreed not to maintain 22.10 specification..

Chairman requested from Rapporteur to insure that all requirements are transferred to 22.00, 22.01 and 22.05. Mika Tolvanen confirmed that he had. ~~\*\*\* Mika to confirm.~~

**ACTION POINT:**

Task: Not to include TS 22.10 on Agenda anymore and note in DB that it is not supported. A CR to be drafted by next SMG1 to indicate that it will not be maintained.

Name: Roger Tarazi

**10.5 Virtual Home Environment**

S22.21V0.7.0  
(V1.0.0 at  
TSG\_SA#3)

Jumoke Ogunbekun,  
Fujitsu

124 > 214 (Rob, Jumoke, Mark) > 224 (See below)

Tdoc 124 contains specification 22.21 V0.7.0 on VHE. It was revised in Tdoc 124 and further revised in Tdoc 224 to included in its appendix the text on OSA to be potentially merged in an e-mail drafting session and then in an adhoc. It will be raised to V1.0.0 and presented for information at SA#3.

10.5.1 Minutes of VHE adhoc meeting held at Siemens Vienna

154 (Jumoke Ogunbekun)

Noted

10.5.2 Proposed text to merge Open Service Architecture (OSA) & VHE.

Rob Schmersel,  
Ericsson

174 - See Tdoc 200 above

Tdoc 174 proposes the merging OSA Stage 1 and VHE Stage 1 in UMTS 22.21.

Tdoc 214 contains the VHE specification with references to OSA. It updates Tdoc 124. Tdoc 214 and in Annex, Tdoc 174 will be presented to SA#3 in April for Information as Version 1.0.0.

Tdoc 224 integrates OSA in the VHE Specification (UMTS 22.21) and will be brought to V1.1.0.

VHE Adhoc is given by the Chairman the authority to agree on the VHE Specification as if it is the S1 Plenary.

It was also stated that SMG12 has reviewed carefully the merging of OSA & VHE.

**ACTION POINT:**

Task: VHE Adhoc has been given by Chairman the authority to "Agree" the VHE Specification as if it is S1

Plenary.

Name: VHE Adhoc

10.5.3 Support of service features and need for more detail.

Barbara Reed

163 (Barbara Reed) See Agenda item 9.2.3 Submitted as well in SMG1 Meeting

Tdoc 163 was presented by Barbara Reed. It was noted.

10.5.4 Liaison Statement to NA2

Barbara Reed

191 (FROM SMG1 Tdoc 085 )

The Liaison Statement TO NA2, FROM THE AD-Hoc group was based (191) on SMG1 085.

Agreed Liaison Statement to be sent to NA2 and to NA6.

**ACTION POINT:**

Task: Present Tdoc 214 with Tdoc 174 in Annex to SA#3 as Version 1.0.0

Integrate OSA with VHE and generate Tdoc 224 as Version 1.1.0

Names: VHE Adhoc (Jumoke Ogunbekun, Rob Schmersel, Mark Cataldo, ...)

Date: April 27, 28 VHE MEETING IN THE UK: VHE Documents Tdocs 124, 154, 174, 163, 191, 214 SA#3 Meeting is that same day!



<b>10.6 HANDOVER REQUIREMENTS BETWEEN UMTS AND GSM OR OTHER RADIO SYSTEMS</b>	22.29V1.0.0 at SMG#28	David Cooper, <a href="#">TELECOM</a> <a href="#">MODUSNEC</a>	<b>125</b>
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*It was commented that some changes might be necessary, for example concerning aspects of context maintenance for SMG and inter-network operator handover. Rapporteur: David Cooper, [TELECOM MODUSNEC](#).*

10.6.1 UMTS handover to second generation systems		David Barnes / DTI	<b>142</b>
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10.6.2 Proposed 22.29 v1.1.0, Handover Requirements between UMTS and GSM or other Radio Systems	22.29V2.0.0 To be presented at SA#3	David Cooper / <a href="#">TELECOM</a> <a href="#">MODUSNEC</a>	<b>165 &gt; 208</b> (to agree by e-mail before S3 Meeting - David Cooper) <b>207</b> Liaison Statement to RAN , SA, CN, COPY TO MoU BARG, SERG
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After a long debate, two output documents were generated, an update of the HandOver Specification in **Tdoc 208** (output of cybermeeting 22-26 March 1999) and a Liaison Statement in **Tdoc 207** stating that TSG-S1 has been requested to include a requirement for inter-operator handover between GSM and UMTS and addressed to a number to technical groups to give them an opportunity to advise on the possible impact for R99.

Some of the issues raised are:

- Handover Support between networks of different ownership,
- Handover between UMTS and PDC is under consideration commented Norihiro Ishikawa / NTT DoCoMo,
- Range of quality products from Less rigid regulatory requirements on performance and type approval up to high performance products.

10.6.3 Inter-operator roaming and handover between UMTS and GSM		Glyn Carter, Dolphin Communications	<b>171</b>
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Noted

All above documents and other inputs were further debated in a one-week cybermeeting during the week of 22-26 March 1999 leading to an updated version of the specifications in Tdoc 208 as stated above.

<b>10.7 MultiMedia</b>	22.72V0.0.0	<del>Ralf Fischer, Bosch</del>	<b>126</b> <b>167</b> SMG P-99-047 Summary of Conclusions on Multimedia <b>168</b> SMG P-99-048 Summary of Conclusions on Multimedia Messaging Service
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Ralf Fischer withdrew his support as rapporteur to UMTS 22.72. Issue to be discussed at next meeting. The two other documents on Summary of Conclusions were noted. A new Rapporteur is needed for MultiMedia.

### 11. Parallel Sub-Groups to progress work

There was one sub-group on SoLSA that had a parallel meeting to S1. See Report of SMG1.

## 12. Approval of UMTS Outputs and Liaisons

### 12.1 Change Requests - Agreed or Pending (Sorted by Spec & CR#)

Doc	Agenda	Result	To	Type	Topic	Spec	CR#	Title	Source	Who?
190	09.00.01	Agreed	SA	CR	Emergency	22.00	A003r2	Revision of CR Regarding emergency call	NEC	David Cooper
138	09.00.02	Noted Input to Multicall	e-mail discussion	CR(P)	MultiCall	22.00	A004	Requirements on multicall	NEC Corporation	Yutaka Harada
193	09.00.03	Agreed	SA	CR	Optimization	22.00	A005r2	deal s w 162		
196	09.00.08	Agree Conditionally Revise 156 & Gen CR	T2, C3, SA	CR	Fax Data	22.00	A008	Revise CR in 156 & Prep CR in 22.00		Katsuo
222	09.00.10	Agreed conditionally	SA e-mail	CR(P)	Num Bearer Svcs	22.00	A009	Revise 201		Olle
221	09.00.09	Agreed CR Cover sheet applying changes in 206 to 22.00	e-mail	CR	FMC	22.00	A010	206 with cover sheet		David Verrier
220	09.00.10c	2 weeks to produce 1st version & 2 weeks e-mail agreed	email 2 weeks + 2 weeks	CR(P)	Def Connect Mod	22.00	A011	Updates 210		Kokkola/Verrier
148	09.00.06	Agreed conditionally see 194	S3, C1, C2	CR(P)	Security	22.00	A012	security requirements of 22.00	Vodafone	Paul Dwyer
185	09.00.06	Agreed see 194	S3, C1, C2	CR(P)	Security	22.00	A013	CR to security matters to 22.00	Fujitsu	Jumoke Ogunbekun
195	09.00.07	Agreed	SA	CR	Traffic O&M	22.00	A014	Revision of CR in 149		David Cooper
223	09.10.00	Prepare a CR on Addressing to 22.01	e-mail expected, then debate	CR(P)	Addressing	22.01	A014	CR to 22.01 on Addressing		Steph Kleier, Paul Dwyer
202	08.02.00	Agreed - Revise MMI CR on 22.01	SA	CR	MMI	22.01	A016	Recommended Handling of features included in 02.07 and 02.30	S1	Paul Dwyer
219	09.00.01	CR to 22.01Eq to 190	e-mail discussion	CR(P)	Emergency	22.01	A017	Equivalent to 190 CR to 22.00		Paul Dwyer
211	09.02.02	Agreed	SA	CR	Hi Qual Speech	22.05	A007	Revision of 160		
209	09.02.01	Agreed	SA	CR	Support GSM BSs	22.05	A008	Support of GSM Bearer Services		Paul Dwyer, T.Kokkola, Drichards
215	09.04.01	Agreed Charging - Edito(2 wks fr the time doc is gen & sent)	e-mail discussion	CR(P)	Charging	22.15	A001	Updates 151 Key Word S1 Tdoc 215 Charging		Emanuele Montegrosso
216	09.04.03	debated - Charging On-Line	e-mail 2 weeks	CR(P)	Charging OnLin	22.15	A002	Charging On-Line		Emanuele Montegrosso
183	09.04.04	Set up e-mail reflector list - Input to Emanuele Montegrosso	e-mail	CR(P)	Charging	22.15	A003	Requested changes to TS 22.15 version 3.0.0	Ericsson	Olle Eriksson

### 12.2 Liaison Statements - Agreed or Pending

Doc	Agenda	Result	To	Type	Topic	Title	Source	Who?
204	08.03.00	Agreed Includes 205	T1	LS	LCS	Liaison to T1P1.5 on Location Services LS bringing to T1's attention ARIB's requirements and seeking recommendations from T1	S1	Gary Schlanger
203	08.03.00	Agreed - Pending Linked to 161	RAN	LS	LCS	LS to TSG-RAN on Accuracy of Location Information	S1	Tommi Kokkola, Derek Richards
192	09.00.02	Agreed	C1, C2, S3 copy to S2	LS	Multicall	LS on Multicall	S1	
217	09.07.01	Agreed (Attach 187) Already attached	T2, S2, S4	LS	Transcoder MM	LS on Transcoder for Mobile Multimedia Services	S1	S1
207	10.06.02	Agreed	RAN, CN, SA, cc SERG, BARG, SMG	LS	HandOver	Need for inter-operator handover between UMTS and GSM	S1	David Cooper, Dolphin, Derek,
199	09.00.08	Agreed LS Related to CR in 196	T2, C3	LS	Fax Data	Real time fax services	S1	Katsuo
218	09.06.00	Agreed - Attach relevant clauses 22.01, 22.05 Joint S1+S2	S2	LS	QoS	repl 181 Liaison Statement to the TSGS2 ad-hoc group on QoS	S1	Olle
191	10.05.04	Agreed 124, 154, 174, 163, 191	NA2, NA6 e-mail	LS	VHE	Reply to Comments on VHE	S1	
194	09.00.06	Agreed Conditionally (Address 148 & 185) Validate CRs,R99?	S3, C1, C2	LS	Security	Security Requirements for UMTS Release 99	S1	
144	09.00.02	Multicall	e-mail discussion	LS(In)	MultiCall	Proposed LS on development of the Multicall capability in UMTS	TSG CN WG2	
227	09.00.00	Sent March 19 Nigel Barnes S1 to confirm	S1 (Post S1)	LS(P)	Compatibility	Cross compatibility issues between GSM and 3G	T3	Nigel Barnes
231	09.00.00		S3 (Post S1)	Liaison Statement(P)	Compatibility	Document on GSM/UMTS "interworking" with regard to SIM and USIM	S3	

#### **ACTION POINT:**

S1 to respond to T3's Liaison Statement on Cross compatibility issues between GSM and 3G expressed in T3's contribution in Tdoc 227 and to S3 concerns raised in Tdoc 231.

### 12.3 Work Items - Noted, Agreed & Pending

Docu	Agenda	Result	To	Type	Topic	Title	Source	Who?
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127	07.03.01	Noted		WI	GSM<->UMTS	GSM to UMTS Evolution	Nokia	Tommi Kokkola, Nokia
129	07.03.03	Noted		WI	UMTS Ph 1	22.00 UMTS Phase 1	France Telecom	David Verrier, FT
130	07.03.04	Noted		WI	Services	UMTS Services	Vodafone	Paul Dwyer, Vodafone
131	07.03.05	Noted		WI	Capabilities	UMTS Services and Service capabilities	BT	Wayne Ashwell, BT
132	07.03.06	Noted		WI	Charging	Charging and Accounting	TIM	Emanuele Montegrosso, TIM
133	07.03.07	Noted		WI	VHE	Virtual Home Environment	Fujitsu	Jumoke Ogunbekun, Fujitsu
134	07.03.08	Noted		WI	QoS	Quality of Service	Ericsson	Olle Eriksson, Ericsson
135	07.03.09	Noted		WI	Handover	Handover GSM<->UMTS	TELECOM MODUSNEG	David Cooper, Telecom ModusNEG
136	07.03.10	Noted		WI	Addressing	Advanced Addressing	MMO	Stephan Kleier, MMO
166	07.03.11	Noted		WI(P)	Terminals	Draft Proposed WI for Terminal capabilities	TELECOM MODUSNEG	David Cooper
189	09.00.02	Agreed e-mail cover work all TSGs	SA3 & e-mail	WI(P)	Multicall	Multicall		Tommi Kokkola
212	07.03.02	Agreed	SA	WI	IS41	Revised IS41 Work Item		Tommi Kokkola

**ACTION POINT:**

Task: Rapporteurship for IS41

Names: Derek Richards proposed for Lucent to be the rapporteur on this WI.

Alan Cox, meanwhile, is awaiting Craig Bishop's/Samsung interest in supporting the IS41 WI.

**12.4 Specifications - Handover to V2, VHE to V1, Others ...**

Doc	Agenda	Result	To	Type	Topic	Spec_Number	Title	Who?
115	09.03.00	Insert in Scope via CR: Report not be updated: MoveContents of 22.07 to 22.05	Mika Tolvanen	Spec	Terminals	22.07v3.1.1	UMTS Terminals	Mika Tolvanen, David Cooper
123	10.04.00	Specification not to be maintained - Not to show on Agenda	Remove	Spec	Terminals	22.10v0.0.4	UMTS Service Aspects of Terminals & IC Cards	
117	09.05.00	Not Supported Any More - Include this in Scope	Emanuel Montegrosso	Spec	Charging	22.24v3.1.0	UMTS Charging & Accounting	Emanuele Montegrosso
113	09.01.00	Noted - Show clearly what is in UMTS Phase 1	Paul Dwyer	Spec(P)	Services	22.01v3.4.0	UMTS Services	Paul Dwyer
208	10.06.02	Agree by e-mail & Raise to Version 2 bef S3	e-mail	Spec(P)	Handover	22.29V2.0.0	HandOver Spec in 165	David Cooper
224	10.05.02	This will contain S22.21V1.1.0 including OSA+VHE	e-mail	Spec(P)	VHE	22.21V1.1.0	VHE Specification integrating VHE & OSA	Jumoke/Rob

## 12.5 E-Mail Discussions

Doc	New	EI	Agenda	Topic	Result	To	Type	Title	Spec_Numb	Source	Who?
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### 12.5.1 Emergency Tdoc 219 CR 2201A017- Pending

219		<b>N</b> o	09.00.01	<b>Emergency</b>	CR to 22.01 Equivalent to 190	e-mail discussion	CR(P)	Equivalent to 190 CR to 22.00	22.01		Paul Dwyer
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#### **ACTION POINT:** 2-week E-Mail discussion

Task: Introducing Emergency Call Requirement in UMTS 22.01 - CR Preparation 22.01A017 in Tdoc 219

Name: Paul Dwyer

### 12.5.2 MultiCall - e-Mail Disc. - CR 2200A004 - Stage 1, Adhoc Planned 29-30 March 99, UK

144		Y	09.00.02	<b>MultiCall</b>	Multicall	e-mail discussion	LS(In)	Proposed LS on development of the Multicall capability in UMTS		TSG CN WG2	
155		Y	09.00.02		Multicall	e-mail discussion	Requirement	MultiCall Services		NTT Docomo	Katsuya Kawamura
186		Y	09.00.02		Multicall	e-mail discussion	Scenarios	Multi-call scenarios		Ericsson	Mikael Dahlkvist
138		Y	09.00.02		Noted Input to Multicall	e-mail discussion	CR(P)	Requirements on multicall	22.00	NEC Corporation	Yutaka Harada
189		Y	09.00.02		Agreed e-mail discuss Should cover work in all TSGs	SA3 & e-mail	WI	Multicall			Tommi Kokkola

### 12.5.3 Cordless Aspects - CR 2201A010 Agreed but Pending Tdoc 221

221		<b>No</b>	09.00.09	<b>FMC</b>	Agreed CR Cover sheet applying changes in 206 to 22.00	e-mail	CR	206 with cover sheet	22.00		David Verrier
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### 12.5.4 Number of Bearer Services - CR 2200A009 Pending Tdoc 222

222		<b>N</b> o	09.00.10	<b>Num Bearer Services</b>	Agreed conditionally	SA e-mail	CR	Revise 201	22.00		Olle Eriksson
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### 12.5.5 Definition of Connection Mode - CR 2200A011 Tdoc 220

220		<b>N</b> o	09.00.10	<b>Definition Connect Mode</b>	2 weeks to produce 1st version & 2 weeks e-mail agreed	e-mail 2 weeks + 2 weeks	CR(P)	Updates 210	22.00		Kokkola/Verrier
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### 12.5.6 Short Message Service - Stage 1 Description in Tdoc 225

172	225	Y	09.02.04	<b>SMS</b>	Gather information on SMS week of April 6	e-mail discussion - easter	Requirements	Important decisions for SMS for the third generation system		TSG Terminals Vice Chairman	Wayne Ashwell
225		No	09.02.04		Gather information on SMS week of April 6	e-mail disc	Requirements	Output of e-mail discussion on SMS			Wayne Ashwell, Barbara Reed

### 12.5.7 Charging Tdoc 215 CR 2215A001, Tdoc 216 CR 2215A002, Tdoc 183 CR 2215A003

215		No	09.04.01	<b>Charging</b>	Agreed Charging - Edito(2 wks fr the time doc is gen & sent)	e-mail discussion	CR(P)	Updates 151 Key Word S1 Tdoc 215 Charging	22.15		Emanuele Montegrosso
216		No	09.04.03		debated - Charging On-Line	e-mail 2 weeks	CR(P)	Charging On-Line	22.15		Emanuele Montegrosso
183		Y	09.04.04		Set up e-mail reflector list - Input to Emanuele Montegrosso	e-mail	CR(P)	Requested changes to TS 22.15 version 3.0.0	22.15	Ericsson	Olle Eriksson

### 12.5.8 Quality of Service Requirements document

177		Y	09.06.00	<b>QoS</b>	Agreed in Principle - Prepare Joint S1 + S2 Meeting	e-mail S2_QoS,	Requirements	QoS Requirements – Working Order		Ericsson	Olle Eriksson
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### 12.5.9 Addressing Tdoc 223 CR 2201A014

223		No	09.10.00	<b>Addressing</b>	Prepare a CR on Addressing to 22.01	e-mail expected, then debate	CR(P)	CR to 22.01 on Addressing	22.01		Steph Kleier, Paul Dwyer
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### 12.5.10 Virtual Home Environment - Tdoc 224 3GPP 22.21V1.1.0 - Adhoc planned 7-8 28-29 April 99, Dublin - Adhoc has authority to AGREE

214	224	Y	10.05.00	<b>VHE</b>	Added ref to 174 (Put as an Annex to 214) Present as Version	SA as V1 e-mail	Spec	VHE 22.21 V1.0.0 Should have been 200 which was renumb to 214			Jumoke
154		Y	10.05.01		NOTED - Group 124, 154, 174, 163, 191	e-mail	Report VHE	Minutes of VHE adhoc meeting held at Siemens Vienna	22.21V0.6.0	Fujitsu	Jumoke Ogunbekun
174	224	Y	10.05.02		Group 124, 154, 174, 163, 191	e-mail	Specification	Proposed text to merge Open Service Architecture (OSA) & VHE.			Jumoke Ogunbekun
224		No	10.05.02		This will contain S22.21V1.1.0 including OSA+VHE	e-mail	Specification	VHE Specification integrating VHE & OSA	22.21V1.1.0		Jumoke/Rob

163		Y	10.05.03		Group 124, 154, 174, 163, 191 It responds to SMG1 Tdoc 104	e-mail	Requirements	Support of service features and need for more detail		BT	Barbara Reed
191		Y	10.05.04		Agreed 124, 154, 174, 163, 191	NA2, NA6 e-mail	LS	Reply to Comments on VHE		S1	

### 12.5.11 HandOver Tdoc 208 3GPP 22.29V2.0.0

208		No	10.06.02	<b>Handover</b>	Agree by e-mail & Raise to Version 2 before S3	e-mail	Spec(P)	HandOver Spec in 165	22.29V2.0.0		David Cooper
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### 12.5.12 Update WI Time Schedules

**ACTION POINT:**

Task: Update WI Time Schedules.

Names: Tommi Kokkola, Wayne Ashwell

Date: By end of March 1999

## 13. Proposals for ad-hoc UMTS meetings including with other groups

Topic Name	E-Mail Name	Moderators	e-Mail	Adhoc	Comments
<b>MultiCall</b>	S1_MultiCall	<i>Adel Rouz</i>	16-26 March	29-30 March 99, UK	This tight schedule is to meet TSG-N requirements and let them start the relevant design work by the beginning of May 99. S#3 26-29 April (I or A)
<b>HandOver</b>	S1_HandOver	<i>David Cooper</i>	22-26 March		<b>Tdoc 208</b> (HANDOVER V2.x.y)
<b>Charging</b>	S1_Charging	<i>Emanuele Montegrosso</i>			
<b>MultiMedia</b>	S1_MM	<i>Kevin Holley</i>			
<b>QoS</b>	S1_QoS	<i>Olle Eriksson</i>		7-8 April, 99 Copenhagen Airport	
<b>VHE</b>	S1_VHE	<i>Jumoke Ogunbekun</i>	99-3-22	s28 <sup>th</sup> -29 <sup>th</sup> April, 1999 in Dublin, Ireland.	<b>Tdoc 224</b> (VHE 22.21v1.x.y)
<b>SMS</b>	S1_SMS	<i>Ian Harris</i>			





#### 14. Any Other UMTS Business

None

#### 15 Meeting Calendar

	TITLE	Tdoc
15.1	<b>SMG1 &amp; S1 Meeting Calendars</b>	(Meeting Calendar)
10-12	May 1999 (3 Days) S1 ONLY	Host: NEC in UK. (Provisional)

05-09 July 1999 SMG1 & S1 Host: Telesystem International Wireless Inc,  
Montreal, Quebec, Canada

29<sup>th</sup> Nov - 3<sup>rd</sup> Dec 1999 SMG1 & S1 (Possibly in Lebanon)

#### 16. Closure of Meeting

The meeting closed at 12:45 on Friday March 12, 1999.

The chairman thanked the hosts, Lucent, One2One, Orange and Vodafone, for their excellent support and arrangements.

**ANNEX 1 - DOCUMENTS LIST (March 28<sup>th</sup> 1999 )**

**TSG-SA Working Group 1 (Services) meeting #2  
Edinburgh, Scotland 9<sup>th</sup>-12<sup>th</sup> March 1999**

*TSGS1#2(99)xxx*

Docu	New	Agenda	Pendin	Deal	Elect	Type	Title	Source	Topic	Who?	Spec_Numb	CR#
104		02.00.00	No	Yes	Yes	Agenda	AGENDA	Coordination		R.Tarazi		
105		06.03.00	No	Yes	Yes	Report	Report from SA_WG1 Meeting in Sophia	Coordination		ACox/RTarazi		
106		06.01.00	No	Yes	No	Report	Report from ETSI SMG#28 in Milan (See Report from SMG1)	Coordination		RTarazi		
107		06.02.00	No	Yes	Yes	Report	Report from 3GPP_TSG_SA#2 in Florida Includes Report of SA_WG1 in Sophia	Coordination		ACox		
108		07.01.04	No	Yes	Yes		List of UMTS Specs	Coordination	Management	RTarazi		
109		07.01.03	No	Yes	Yes		List of UMTS WG1 CRs	Coordination	Management	RTarazi		
110		07.01.06	No	Yes	Yes		UMTS 30.00	Coordination	Management	ASamukic		
111		07.01.07	No	Yes	No		UMTS 30.01	Coordination	Management	ASamukic		
112		09.00.00	No	Yes	Yes	Spec	UMTS Phase 1 specifications (Provisional Appl of CR from SA#1)	Coordination	UMTS Ph 1	David Verrier	22.00v3.1.0	
113		09.01.00	No	Yes	Yes	Spec	UMTS Services	Coordination	Services	Paul Dwyer	22.01v3.4.0	
114		09.02.00	No	Yes	Yes	Spec	UMTS Services & Service capabilities (Provisional Appl of CR from SA#1)	Coordination	Capabilities	Wayne Ashwell	22.05v3.3.0	
115		09.03.00	No	Yes	Yes	Spec	UMTS Terminals	Coordination	Terminals		22.07v3.1.1	
116		09.04.00	No	Yes	Yes	Spec	UMTS Charging & Billing	Coordination	Charging	Emanuele Montegrosso	22.15v3.0.0	
117		09.05.00	No	Yes	Yes	Spec	UMTS Charging & Accounting	Coordination	Charging	Emanuele Montegrosso	22.24v3.1.0	
118		09.06.00	No	Yes	Yes	Spec	UMTS QoS	Coordination	QoS	Olle Eriksson	22.25v3.1.0	
119		09.07.00	No	Yes	Yes	Spec	UMTS Mobile Multimedia	Coordination	MultiMedia MM		22.60v3.0.0	
120		09.08.00	No	Yes	Yes	Spec	UMTS VHE	Coordination	VHE	Jumoke Ogunbekun	22.70v3.0.0	
121		09.09.00	No	Yes	Yes	Spec	UMTS Roaming	Coordination	Roaming	Emanuele Montegrosso	22.71v3.1.0	
122		09.10.00	No	Yes	Yes	Spec	UMTS Advanced Addressing	Coordination	Addressing	Stephan Kleier	22.75v3.0.0	
123		10.04.00	No	Yes	Yes	Spec	UMTS Service Aspects of Terminals & IC Cards	Coordination	Terminals		22.10v0.0.4	
124	214	10.05.00	No	Yes	Yes	Spec	UMTS VHE Spec	Fujitsu	VHE	Jumoke Ogunbejun	22.21v0.6.0	
125		10.06.00	No	Yes	Yes	Spec	UMTS Handover	NEC	Handover	David Cooper	22.29v1.0.0	
126		10.07.00	No	Yes	Yes	Spec	UMTS MultiMedia	Bosch	Multimedia MM	Ralf Fischer	22.72v0.0.0	
127		07.03.01	No	Yes	Yes	WI	GSM to UMTS Evolution	Nokia	GSM<->UMTS	Tommi Kokkola,	GSM Specs	

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										Nokia		
128	212	07.03.02	No	Yes	Yes	XWI	IS 41 to UMTS Interworking	TTA	IS41	Chang Yong, TTA	TTA Specs	
129		07.03.03	No	Yes	Yes	WI	22.00 UMTS Phase 1	France Telecom	UMTS Ph 1	David Verrier, FT	22.00	
130		07.03.04	No	Yes	Yes	WI	UMTS Services	Vodafone	Services	Paul Dwyer, Vodafone	22.01	
131		07.03.05	No	Yes	Yes	WI	UMTS Services and Service capabilities	BT	Capabilities	Wayne Ashwell, BT	22.05	
132		07.03.06	No	Yes	Yes	WI	Charging and Accounting	TIM	Charging	Emanuele Montegrosso, TIM	22.15	
133		07.03.07	No	Yes	Yes	WI	Virtual Home Environment	Fujitsu	VHE	Jumoke Ogunbekun, Fujitsu	22.21	
134		07.03.08	No	Yes	Yes	WI	Quality of Service	Ericsson	QoS	Olle Eriksson, Ericsson	22.25	
135		07.03.09	No	Yes	Yes	WI	Handover GSM<->UMTS	Telecom ModusNEC	Handover	David Cooper, TELECOM MODUSNEC	22.29	
136		07.03.10	No	Yes	Yes	WI	Advanced Addressing	MMO	Addressing	Stephan Kleier, MMO	22.75	
137	190	09.00.01	No	Yes	Yes	XCR	Regarding emergency call	NEC Corporation	Emergency Calls	Yutaka Harada	22.00A003	
138		09.00.02	Yes	Yes	Yes	CR(P)	Requirements on multicall	NEC Corporation	MultiCall	Yutaka Harada	22.00	A004
139	162	09.00.03	No	Yes	Yes	XCR	Optimisation of internetwork signaling	Fujitsu	Optimization	Mutsuo SHIYA	2200A005	
140	149	09.00.07	No	Yes	Yes	XCR	GSM evolved core network requirements to 3GPP from TTC	Nippon Telecom Consulting Co Ltd	GSM Evolved NW	Miyuki Soejima	22.00A006xx	
141		04.01.00	No	Yes	Yes	Candidate	Alan Cox - Candidate for TSG_SA_WG1 Chairmanship	Vodafone	Voting	Alan Cox		
142		10.06.01	No	Yes	Yes	Requirements	UMTS HANDOVER TO SECOND GENERATION SYSTEMS	DTI	HandOver	David Barnes		
143		09.00.05	No	Yes	Yes	LS(In)	Answer to Liaison statement on UMTS Simultaneous Mode from SMG12	3GPP TSG CN2	UMTS Simultaneo			
144		09.00.02	Yes	Yes	Yes	LS(In)	Proposed LS on development of the Multicall capability in UMTS	TSG CN WG2	MultiCall			
145		09.06.01	No	Yes	Yes	Spec	End-to-End Network Performance	Australian Comm Industry Forum	QoS	Maurie Dobbin	ACIF C519 Oct 98	
146		07.04.00	Yes	Yes	Yes	MS Project	Draft Work Program Submitted to SA#2	BT	Project Managem	Wayne Ashwell		
147		07.05.00	No	Yes	Yes	22 Ser deliverable	List of planned deliverables and time scales for Approval at SA Plenaries		22 Series Deliv	S1		

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						s	( 22 Series ....)					
148		09.00.06	Yes	Yes	Yes	CR(P)	security requirements of 22.00	Vodafone	Security	Paul Dwyer	22.00	A012
149	195	09.00.07	No	Yes	Yes	XCR	Addition of the description for "Account for user traffic and signalling traffic"	NIPPON TELECOMMUNICATIONS CONSULTING CO.,LTD.	Traffic O&M	Miyuki SOEJIMA	22.00Axxx	
150	209	09.02.01	No	Yes	Yes	XCR	Support of GSM BSs	Nokia	Support GSM BSs	Tommi Kokkola		
151	215	09.04.01	No	Yes	Yes	XCR	CR -1 UMTS Charging and Billing - Transfer of text from 22.24 into 22.15	TIM	Charging	Olle Eriksson		
152		09.04.02	No	Yes	Yes	XCR	CR-2 UMTS Charging and Billing Upgrading of UMTS Charging and billing features	TIM	Charging	Emanuele Montegrosso		
153	216	09.04.03	No	Yes	Yes	XCR	CR-3 22.15 manuele .doc	TIM	Charging	Emanuele Montegrosso		
154		10.05.01	Yes	Yes	Yes	Report VHE	Minutes of VHE adhoc meeting held at Siemens Vienna	Fujitsu	VHE	Jumoke Ogunbekun	22.21V0.6.0	
155		09.00.02	Yes	Yes	Yes	Requirement	MultiCall Services	NTT Docomo	Multicall	Katsuya Kawamura		
156	196, 199	09.00.08	No	Yes	Yes	Requirement	Requirement for Voice-Band Data and FAX Services Standardisation	NTT Docomo	Fax Data	Katsuya Kawamura		
157		04.02.00	No	Yes	Yes	Candidate	Candidate Vice Chairmanship David Cooper	TELECOM MODUSNEC	Voting	David Cooper		
158	206	09.00.09	No	Yes	Yes	XCR	CR - 2200 Graham Crisp on Fixed & Cordless access	Marconi	FMC	Graham Crisp	2200A	
159	202	08.02.00	No	Yes	Yes	Requirements	Requirement for MMI specifications	NTT Docomo	MMI	Hidetoshi ISHIKAWA		
160	211	09.02.02	No	Yes	Yes	XCR	CR- 22.05 - Editorial & Enhancements	BT		Barbara Reed		
161		08.03.00	No	Yes	Yes	Requirements	Main Differences between ARIB and SMG Service Requirements	NTT Mobile Communications Network Inc.	ARIB vs SMG	Shinji Uebayashi		
162	193	09.00.03	No	Yes	Yes	XCR	Replaces > 139 Addition of new phrase for optimisation of inter-network signalling	Fujitsu	Optimization	Jumoke Ogunbekun	2200A005r1	
163		10.05.03	Yes	Yes	Yes	Requirements	Support of service features and need for more detail	BT	VHE Svc feature	Barbara Reed		
164		16.00.00	No	No	No		free					
165	208	10.06.02	No	Yes	Yes	Modify	Proposed 22.29 v1.1.0, Handover Requirements between UMTS and GSM or other Radio Systems	TELECOM MODUSNEC	HandOver	David Cooper	22.29V1.1.0	
166		07.03.11	No	Yes	Yes	WI(P)	Draft Proposed WI for Terminal capabilities	TELECOM MODUSNEC	Terminals	David Cooper		
167		10.07.00	No	Yes	Yes	Requirements	Summary of Conclusions on MultimediaSMG P-99-047	SMG	MM	Kevin Holley		
168		10.07.00	No	Yes	Yes	Requirements	Summary of Conclusions on Multimedia Messaging ServiceSMG P-99-048	SMG	MM	Kevin Holley		
169		05.02.00	No	Yes	Yes		e-mail approval	POINT SMG				

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170		05.02.00	No	Yes	Yes		GSM 01.00						
171		10.06.03	No	Yes	Yes		Inter-operator roaming and handover between UMTS and GSM	Dolphin	Handover	Glyn Carter			
172	225	09.02.04	Yes	Yes	Yes	Requirements	Important decisions for SMS for the third generation system	TSG Terminals Vice Chairman	SMS	Wayne Ashwell			
173	189	09.00.02-a	No	Yes	Yes	XWID	Proposed WID on Multicall	Fujitsu / Nokia	Multicall	Jumoke Ogunbekun			
174	224	10.05.02	Yes	Yes	Yes	Specification	Proposed text to merge Open Service Architecture (OSA) & VHE.		VHE	Jumoke Ogunbekun			
175		09.00.08	No	Yes	Yes		Study on provision of facsimile services in GSM and UMTS 22.45 V.0.1.0		Fax Data	Tommi Kokkola			
176		05.03.00	No	Yes	Yes		3GPP Working Procedures		Procedures	Tommi Kokkola			
177		09.06.00	Yes	Yes	Yes	Requirements	QoS Requirements – Working Order	Ericsson	QoS	Olle Eriksson			
178	197	09.06.00	No	Yes	Yes		QoS Requirements – Proposed List of Contents	Ericsson	QoS	Olle Eriksson			
179	198	09.06.00	No	Yes	Yes		QoS Requirements – Communication Schemes	Ericsson	QoS	Olle Eriksson			
180	210	09.00.10a	No	Yes	Yes	XCR	CR 22.00 - Definition of connection mode	Ericsson	UMTS Ph 1	Olle Eriksson			
181	218	09.06.00	No	Yes	Yes		Proposed LS to the TSGS2 ad-hoc group on QoS	Ericsson	QoS	Olle Eriksson			
182		09.02.05	No	Yes	Yes		CR 22.05 - Clarification of the Teleservice Internet Access	Ericsson	Capabilities	Olle Eriksson			
183		09.04.04	Yes	Yes	Yes	CR(P)	Requested changes to TS 22.15 version 3.0.0	Ericsson	Charging	Olle Eriksson	22.15		A003
184	201	09.00.10	No	Yes	Yes	XCR	CR 22.00 - Clarification on number of bearer services	Ericsson		Olle Eriksson			
185		09.00.06	Yes	Yes	Yes	CR(P)	CR to security matters to 22.00	Fujitsu	Security	Jumoke Ogunbekun	22.00		A013
186		09.00.02	Yes	Yes	Yes	Scenarios	Multi-call scenarios	Ericsson	multicall	Mikael Dahlkvist			
187		09.07.01	No	Yes	Yes	Requirement		NTT Docomo	Transcoder MM	Katsuya Kawamura			
188		15.01.00	No	Yes	Yes	Invitation	Details of Quebec Meeting	Dolphin Tecom / TIW		Glynn Carter			
189		09.00.02-a	Yes	Yes	Yes	WI	Multicall		Multicall	Tommi Kokkola			
190		09.00.01	No	Yes	Yes	CR	Revision of CR Regarding emergency call	Fujitsu	Emergency	David Cooper	22.00		A003r2
191		10.05.04	Yes	Yes	Yes	LS	Reply to Comments on VHE	S1	VHE				
192		09.00.02	No	Yes	Yes	LS	LS on Multicall	S1	Multicall				
193		09.00.03	No	Yes	Yes	CR	deal s w 162		Optimization		22.00		A005r2
194		09.00.06	Yes	Yes	Yes	LS	Security Requirements for UMTS Release 99	S1	Security				
195		09.00.07	No	Yes	Yes	CR	Revision of CR in 149		Traffic O&M	David Cooper	22.00		A014

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196		09.00.08	No	Yes	Yes	CR	Revise CR in 156 & Prep CR in 22.00		Fax Data	Katsuo	22.00	A008
197		09.06.00	No	Yes	Yes		QoS Requirements – Proposed List of Contents		QoS	Olle Eriksson		
198		09.06.00	No	Yes	Yes		QoS Requirements – Communication Schemes		QoS	Olle Eriksson		
199		09.00.08	No	Yes	Yes	LS	Real time fax services	S1	Fax Data	Katsuo		
200		10.05.00	No	Yes	No	Spec	UMTS VHE Spec merging OSA & VHE for Friday		VHE	Rob, Jumoke, Mark		
201	222	09.00.10	No	Yes	Yes	XCR	CR 22.00 - Clarification on number of bearer services					
202		08.02.00	No	Yes	Yes	CR	Recommended Handling of features included in 02.07 and 02.30	S1	MMI	Paul Dwyer	22.01	A016
203		08.03.00	No	Yes	Yes	LS	LS to TSG-RAN on Accuracy of Location Information	S1	LCS	Tommi Kokkola, Derek Richards		
204		08.03.00	No	Yes	Yes	LS	Liaison to T1P1.5 on Location Services LS bringing to T1's attention ARIB's requirements and seeking recommendations from T1	S1	LCS	Gary Schlanger		
205		08.03.00	No	Yes	Yes	Specification	LCS Report on ARIB		LCS	Gary Schlanger		
206		09.00.09	No	Yes	Yes	CR(206)			FMC	Graham Crisp	See 221	
207		10.06.02	No	Yes	Yes	LS	Need for inter-operator handover between UMTS and GSM	S1	HandOver	David Cooper, Dolphin, Derek,		
208		10.06.02	Yes	No	No	Spec(P)	HandOver Spec in 165		Handover	David Cooper	22.29V2.0.0	
209		09.02.01	No	Yes	Yes	CR	Support of GSM Beare Services		Support GSM BSs	Paul Dwyer, T.Kokkola, Drichards	22.05	A008
210	220	09.00.10b	No	Yes	Yes	XCR	CR on 22.00			Magnus Fyro		
211		09.02.02	No	Yes	Yes	CR	Revision of 160		Hi Qual Speech		22.05	A007
212		07.03.02	No	Yes	Yes	WI	Revised IS41 Work Item		IS41	Tommi Kokkola		
213		09.00.06	No	No	No					Paul Dwyer		
214	224	10.05.00	Yes	Yes	Yes	Spec	VHE 22.21 V1.0.0 Should have been 200 which was renumb to 214		VHE	Jumoke		
215		09.04.01	Yes	Yes	No	CR(P)	Updates 151 Key Word S1 Tdoc 215 Charging		Charging	Emanuele Montegrosso	22.15	A001
216		09.04.03	Yes	Yes	No	CR(P)	Charging On-Line		Charging OnLin	Emanuele Montegrosso	22.15	A002
217		09.07.01	No	Yes	Yes	LS	LS on Transcoder for Mobile Multimedia Services	S1	Transcoder MM	S1		
218		09.06.00	No	Yes	Yes	LS	repl 181 Liaison Statement to the TSGS2 ad-hoc group on QoS	S1	QoS	Olle		

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219		09.00.01	Yes	Yes	No	CR(P)	Equivalent to 190 CR to 22.00		Emergency	Paul Dwyer	22.01	A017
220		09.00.10c	Yes	Yes	No	CR(P)	Updates 210		Def Connect Mod	Kokkola/Verrier	22.00	A011
221		09.00.09	Yes	Yes	No	CR	206 with cover sheet		FMC	David Verrier	22.00	A010
222		09.00.10	Yes	Yes	No	CR(P)	Revise 201		Num Bearer Svcs	Olle Kokkola	22.00	A009
223		09.10.00	Yes	Yes	No	CR(P)	CR to 22.01 on Addressing		Addressing	Steph Kleier, Paul Dwyer	22.01	A014
224		10.05.02	Yes	Yes	No	Specificati on	VHE Specification integrating VHE & OSA		VHE	Jumoke/Rob	22.21V1.1.0	
225		09.02.04	No	No	No	Requireme nts	Output of e-mail discussion on SMS		SMS	Wayne Ashwell, Barbara Reed		
227		09.00.00	Yes	No	Yes	LS(P)	Cross compatibility issues between GSM and 3G	T3	Compatibility	Nigel Barnes		
228			No	No	No							
229			No	No	No							
230			No	No	No							

## ANNEX 2 - RESULTS & DECISIONS

Doc	New	Pen	Deal	Elec	Agenda	Topic	Result	To	Spec_Number	CR#	Type	Who?	Title	Source
104		No	Yes	Yes	02.00.00						Agenda	R.Tarazi	AGENDA	Coordination
141		No	Yes	Yes	04.01.00	Voting					Candidate	Alan Cox	Alan Cox - Candidate for TSG_SA_WG1 Chairmanship	Vodafone
157		No	Yes	Yes	04.02.00	Voting					Candidate	David Cooper	Candidate Vice Chairmanship David Cooper	<a href="#">TELECOM</a> <a href="#">MODUSNEC</a>
169		No	Yes	Yes	05.02.00		Agreed	Wome					e-mail approval	POINT SMG
170		No	Yes	Yes	05.02.00		Noted						GSM 01.00	
176		No	Yes	Yes	05.03.00	Procedures	Noted					Tommi Kokkola	3GPP Working Procedures	
106		No	Yes	No	06.01.00		Noted				Report	RTarazi	Report from ETSI SMG#28 in Milan (See Report from SMG1)	Coordination
107		No	Yes	Yes	06.02.00		Noted				Report	ACox	Report from 3GPP_TSG_SA#2 in Florida Includes Report of SA_WG1 in Sophia	Coordination
105		No	Yes	Yes	06.03.00		Agreed				Report	ACox/RTarazi	Report from SA_WG1 Meeting in Sophia	Coordination
109		No	Yes	Yes	07.01.03	Management	Noted					RTarazi	List of UMTS WG1 CRs	Coordination
108		No	Yes	Yes	07.01.04	Management	Noted					RTarazi	List of UMTS Specs	Coordination
110		No	Yes	Yes	07.01.06	Management	Replaced by S1 document					ASamukic	UMTS 30.00	Coordination
111		No	Yes	No	07.01.07	Management	Noted					ASamukic	UMTS 30.01	Coordination
127		No	Yes	Yes	07.03.01	GSM<->UMTS	Noted		GSM Specs		WI	Tommi Kokkola, Nokia	GSM to UMTS Evolution	Nokia

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128	212	No	Yes	Yes	07.03.02	IS41	Noted		TTA Specs		XWI	Chang Yong, TTA	IS 41 to UMTS Interworking	TTA
212		No	Yes	Yes	07.03.02	IS41	Agreed	SA			WI	Tommi Kokkola	Revised IS41 Work Item	
129		No	Yes	Yes	07.03.03	UMTS Ph 1	Noted		22.00		WI	David Verrier, FT	22.00 UMTS Phase 1	France Telecom
130		No	Yes	Yes	07.03.04	Services	Noted		22.01		WI	Paul Dwyer, Vodafone	UMTS Services	Vodafone
131		No	Yes	Yes	07.03.05	Capabilities	Noted		22.05		WI	Wayne Ashwell, BT	UMTS Services and Service capabilities	BT
132		No	Yes	Yes	07.03.06	Charging	Noted		22.15		WI	Emanuele Montegrosso, TIM	Charging and Accounting	TIM
133		No	Yes	Yes	07.03.07	VHE	Noted		22.21		WI	Jumoke Ogunbekun, Fujitsu	Virtual Home Environment	Fujitsu
134		No	Yes	Yes	07.03.08	QoS	Noted		22.25		WI	Olle Eriksson, Ericsson	Quality of Service	Ericsson
135		No	Yes	Yes	07.03.09	Handover	Noted		22.29		WI	David Cooper, TELECOM MODUSNEC	Handover GSM<->UMTS	TELECOM MODUSNEC
136		No	Yes	Yes	07.03.10	Addressing	Noted		22.75		WI	Stephan Kleier, MMO	Advanced Addressing	MMO
166		No	Yes	Yes	07.03.11	Terminals	Noted				WI(P)	David Cooper	Draft Proposed WI for Terminal capabilities	TELECOM MODUSNEC
146		Yes	Yes	Yes	07.04.00	Project Managem	Noted - Ready by End of April				MS Project	Wayne Ashwell	Draft Work Program Submitted to SA#2	BT
147		No	Yes	Yes	07.05.00	22 Series Deliv					22 Ser deliverables	S1	List of planned deliverables and time scales for Approval at SA Plenaries ( 22 Series ....)	
159	202	No	Yes	Yes	08.02.00	MMI	Address on Thursday				Requirements	Hidetoshi ISHIKAWA	Requirement for MMI specifications	NTT Docomo
202		No	Yes	Yes	08.02.00	MMI	Agreed - Revise MMI CR on 22.01	SA	22.01	A016	CR	Paul Dwyer	Recommended Handling of features included in 02.07 and 02.30	S1
161		No	Yes	Yes	08.03.00	ARIB vs SMG	Presented				Requirements	Shinji Uebayashi	Main Differences between ARIB and SMG Service Requirements	NTT Mobile Communications Network Inc.
203		No	Yes	Yes	08.03.00	LCS	Agreed - Pending Linked to 161	RAN			LS	Tommi Kokkola, Derek Richards	LS to TSG-RAN on Accuracy of Location Information	S1
204		No	Yes	Yes	08.03.00	LCS	Agreed Includes 205	T1			LS	Gary Schlanger	Liaison to T1P1.5 on Location Services LS bringing to T1's attention ARIB's requirements and seeking recommendations from T1	S1
205		No	Yes	Yes	08.03.00	LCS	Agreed - Included already in 204				Specification	Gary Schlanger	LCS Report on ARIB	



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112		No	Yes	Yes	09.00.00	UMTS Ph 1	Noted		22.00v3.1.0		Spec	David Verrier	UMTS Phase 1 specifications (Provisional Appl of CR from SA#1)	Coordination
227		Yes	No	Yes	09.00.00	Compatibility	Sent March 19 Nigel Barnes S1 to confirm	S1 (Post S1)			LS(P)	Nigel Barnes	Cross compatibility issues between GSM and 3G	T3
137	190	No	Yes	Yes	09.00.01	Emergency Calls	Agreed conditionally		22.00A003		XCR	Yutaka Harada	Regarding emergency call	NEC Corporation
190		No	Yes	Yes	09.00.01	Emergency	Agreed	SA	22.00	A003r2	CR	David Cooper	Revision of CR Regarding emergency call	Fujitsu
219		Yes	Yes	No	09.00.01	Emergency	CR to 22.01 Equivalent to 190	e-mail discussion	22.01	A017	CR(P)	Paul Dwyer	Equivalent to 190 CR to 22.00	
138		Yes	Yes	Yes	09.00.02	MultiCall	Noted Input to Multicall	e-mail discussion	22.00	A004	CR(P)	Yutaka Harada	Requirements on multicall	NEC Corporation
144		Yes	Yes	Yes	09.00.02	MultiCall	Multicall	e-mail discussion			LS(In)		Proposed LS on development of the Multicall capability in UMTS	TSG CN WG2
155		Yes	Yes	Yes	09.00.02	Multicall	Multicall	e-mail discussion			Requirement	Katsuya Kawamura	MultiCall Services	NTT Docomo
186		Yes	Yes	Yes	09.00.02	multicall	Multicall	e-mail discussion			Scenarios	Mikael Dahlkvist	Multi-call scenarios	Ericsson
192		No	Yes	Yes	09.00.02	Multicall	Agreed	C1, C2, S3 copy to S2			LS		LS on Multicall	S1
173	189	No	Yes	Yes	09.00.02-a	Multicall	7.3.12 Tommy to elaborate				XWID	Jumoke Ogunbekun	Proposed WID on Multicall	Fujitsu / Nokia
189		Yes	Yes	Yes	09.00.02-a	Multicall	Agreed e-mail discuss Should cover work in all TSGs	SA3 & e-mail			WI	Tommi Kokkola	Multicall	
139	162	No	Yes	Yes	09.00.03	Optimization	Replaced		2200A005		XCR	Mutsuo SHIYA	Optimisation of internetwork signaling	Fujitsu
162	193	No	Yes	Yes	09.00.03	Optimization	Debated		2200A005r1		XCR	Jumoke Ogunbekun	Replaces > 139 Addition of new phrase for optimisation of inter-network signalling	Fujitsu
193		No	Yes	Yes	09.00.03	Optimization	Agreed	SA	22.00	A005r2	CR		deal s w 162	
143		No	Yes	Yes	09.00.05	UMTS Simultaneo	noted				LS(In)		Answer to Liaison statement on UMTS Simultaneous Mode from SMG12	3GPP TSG CN2
148		Yes	Yes	Yes	09.00.06	Security	Agreed conditionally see 194	S3, C1, C2	22.00	A012	CR(P)	Paul Dwyer	security requirements of 22.00	Vodafone
185		Yes	Yes	Yes	09.00.06	Security	Agreed see 194	S3, C1, C2	22.00	A013	CR(P)	Jumoke Ogunbekun	CR to security matters to 22.00	Fujitsu
194		Yes	Yes	Yes	09.00.06	Security	Agreed Conditionally (Address 148 & 185) Validate CRs,R99?	S3, C1, C2			LS		Security Requirements for UMTS Release 99	S1
213		No	No	No	09.00.06		Ldoes not exist					Paul Dwyer		
140	149	No	Yes	Yes	09.00.07	GSM Evolved NW	replaced by 149 - Withdrawn		22.00A006xx		XCR	Miyuki Soejima	GSM evolved core network requirements to 3GPP from TTC	Nippon Telecom Consulting Co Ltd
149	195	No	Yes	Yes	09.00.07	Traffic O&M	To revise CR in 195		22.00Axxx		XCR	Miyuki SOEJIMA	Addition of the description for "Account for user traffic and signalling traffic	NIPPON TELECOMMUNICATIONS CONSULTING CO.,LTD.

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195		No	Yes	Yes	09.00.07	Traffic O&M	Agreed	SA	22.00	A014	CR	David Cooper	Revision of CR in 149	
156	196, 199	No	Yes	Yes	09.00.08	Fax Data	Noted				Requirement	Katsuya Kawamura	Requirement for Voice-Band Data and FAX Services Standardisation	NTT Docomo
175		No	Yes	Yes	09.00.08	Fax Data	Noted					Tommi Kokkola	Study on provision of facsimile services in GSM and UMTS 22.45 V.0.1.0	
196		No	Yes	Yes	09.00.08	Fax Data	Agree Conditionally Revise 156 & Gen CR	T2, C3, SA	22.00	A008	CR	Katsuo	Revise CR in 156 & Prep CR in 22.00	
199		No	Yes	Yes	09.00.08	Fax Data	Agreed LS Related to CR in 196	T2, C3			LS	Katsuo	Real time fax services	S1
158	206	No	Yes	Yes	09.00.09	FMC	Rejected - E		2200A		XCR	Graham Crisp	CR - 2200 Graham Crisp on Fixed & Cordless access	Marconi
206		No	Yes	Yes	09.00.09	FMC	Agreed - Prep CR Cover in 221		See 221		CR(206)	Graham Crisp		
221		Yes	Yes	No	09.00.09	FMC	Agreed CR Cover sheet applying changes in 206 to 22.00	e-mail	22.00	A010	CR	David Verrier	206 with cover sheet	
184	201	No	Yes	Yes	09.00.10		to be revised in 201				XCR	Olle Eriksson	CR 22.00 - Clarification on number of bearer services	Ericsson
201	222	No	Yes	Yes	09.00.10		Revises 184	Tommmi to correct			XCR		CR 22.00 - Clarification on number of bearer services	
222		Yes	Yes	No	09.00.10	Num Bearer Svcs	Agreed conditionally	SA e-mail	22.00	A009	CR(P)	Olle Kokkola	Revise 201	
180	210	No	Yes	Yes	09.00.10a	UMTS Ph 1	Revised again				XCR	Olle Eriksson	CR 22.00 - Definition of connection mode	Ericsson
210	220	No	Yes	Yes	09.00.10b		Rejected				XCR	Magnus Fyro	CR on 22.00	
220		Yes	Yes	No	09.00.10c	Def Connect Mod	2 weeks to produce 1st version & 2 weeks e-mail agreed	e-mail 2 weeks + 2 weeks	22.00	A011	CR(P)	Kokkola/Verrier	Updates 210	
113		No	Yes	Yes	09.01.00	Services	Noted - Show clearly what is UMTS Phase 1	Paul Dwyer	22.01v3.4.0		Spec	Paul Dwyer	UMTS Services	Coordination
114		No	Yes	Yes	09.02.00	Capabilities	Noted		22.05v3.3.0		Spec	Wayne Ashwell	UMTS Services & Service capabilities (Provisional Appl of CR from SA#1)	Coordination
150	209	No	Yes	Yes	09.02.01	Support GSM BSs	Updated in 209				XCR	Tommi Kokkola	Support of GSM BSs	Nokia
209		No	Yes	Yes	09.02.01	Support GSM BSs	Agreed	SA	22.05	A008	CR	Paul Dwyer, T.Kokkola, Drichards	Support of GSM Beare Services	
160	211	No	Yes	Yes	09.02.02		Debated Revised in 211				XCR	Barbara Reed	CR- 22.05 - Editorial & Enhancements	BT
211		No	Yes	Yes	09.02.02	Hi Qual Speech	Agreed	SA	22.05	A007	CR		Revision of 160	
172	225	Yes	Yes	Yes	09.02.04	SMS	Gather information on SMS week of April 6	e-mail discussion - easter			Requirements	Wayne Ashwell	Important decisions for SMS for the third generation system	TSG Terminals Vice Chairman
225		No	No	No	09.02.04	SMS	Gather information on SMS week of April 6	e-mail disc			Requirements	Wayne Ashwell, Barbara Reed	Output of e-mail discussion on SMS	

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182		No	Yes	Yes	09.02.05	Capabilities	Withdrawn					Olle Eriksson	CR 22.05 - Clarification of the Teleservice Internet Access	Ericsson
115		No	Yes	Yes	09.03.00	Terminals	Ins in Scope via CR: Report not be updated: Move to 22.05	Mika Tolvanen	22.07v3.1.1		Spec		UMTS Terminals	Coordination
116		No	Yes	Yes	09.04.00	Charging	Noted		22.15v3.0.0		Spec	Emanuele Montegrosso	UMTS Charging & Billing	Coordination
151	215	No	Yes	Yes	09.04.01	Charging	Updated in 215				XCR	Olle Eriksson	CR -1 UMTS Charging and Billing - Transfer of text from 22.24 into 22.15	TIM
215		Yes	Yes	No	09.04.01	Charging	Agreed Charging - Edited (2 wks fr the time doc is gen & sent)	e-mail discussion	22.15	A001	CR(P)	Emanuele Montegrosso	Updates 151 Key Word S1 Tdoc 215 Charging	
152		No	Yes	Yes	09.04.02	Charging	Withdrawn				XCR	Emanuele Montegrosso	CR-2 UMTS Charging and Billing Upgrading of UMTS Charging and billing features	TIM
153	216	No	Yes	Yes	09.04.03	Charging	Discussed				XCR	Emanuele Montegrosso	CR-3 22.15 manuele .doc	TIM
216		Yes	Yes	No	09.04.03	Charging OnLine	debated - Charging On-Line	e-mail 2 weeks	22.15	A002	CR(P)	Emanuele Montegrosso	Charging On-Line	
183		Yes	Yes	Yes	09.04.04	Charging	Set up e-mail reflector list - Input to Emanuele Montegrosso	e-mail	22.15	A003	CR(P)	Olle Eriksson	Requested changes to TS 22.15 version 3.0.0	Ericsson
117		No	Yes	Yes	09.05.00	Charging	Not Supported Any More - Include this in Scope	Emanuel Montegrosso	22.24v3.1.0		Spec	Emanuele Montegrosso	UMTS Charging & Accounting	Coordination
118		No	Yes	Yes	09.06.00	QoS	Noted		22.25v3.1.0		Spec	Olle Eriksson	UMTS QoS	Coordination
177		Yes	Yes	Yes	09.06.00	QoS	Agreed in Principle - Prepare Joint S1 + S2 Meeting	e-mail S2_QoS,			Requirements	Olle Eriksson	QoS Requirements – Working Order	Ericsson
178	197	No	Yes	Yes	09.06.00	QoS	Revised in 197					Olle Eriksson	QoS Requirements – Proposed List of Contents	Ericsson
179	198	No	Yes	Yes	09.06.00	QoS	Revised in 198					Olle Eriksson	QoS Requirements – Communication Schemes	Ericsson
181	218	No	Yes	Yes	09.06.00	QoS	Agreed w Change					Olle Eriksson	Proposed LS to the TSGS2 ad-hoc group on QoS	Ericsson
197		No	Yes	Yes	09.06.00	QoS	Debated - Input to Adhoc					Olle Eriksson	QoS Requirements – Proposed List of Contents	
198		No	Yes	Yes	09.06.00	QoS	Agreed					Olle Eriksson	QoS Requirements – Communication Schemes	
218		No	Yes	Yes	09.06.00	QoS	Agreed - Attach relevant clauses 22.01, 22.05 Joint S1+S2	S2			LS	Olle Eriksson	repl 181 Liaison Statement to the TSGS2 ad-hoc group on QoS	S1
145		No	Yes	Yes	09.06.01	QoS	Noted - Not Agreed - Lacking Values for Parameters		ACIF C519 Oct 98		Spec	Maurie Dobbin	End-to-End Network Performance	Australian Comm Industry Forum

Joint ETSI SMG1 #63 & 3GPP\_TSG\_SA\_WG1 #2 Meeting, Edinburgh, Scotland, 8-9 March, 1999 ( **UMTS** )

119		No	Yes	Yes	09.07.00	MultiMedia MM	Propose to keep the specification.		22.60v3.0.0		Spec		UMTS Mobile Multimedia	Coordination
187		No	Yes	Yes	09.07.01	Transcoder MM	Attach - Pasted already in Tdoc 217				Requirement	Katsuya Kawamura		NTT Docomo
217		No	Yes	Yes	09.07.01	Transcoder MM	Agreed (Attach 187) Already attached	T2, S2, S4			LS	S1	LS on Transcoder for Mobile Multimedia Services	S1
120		No	Yes	Yes	09.08.00	VHE	Noted		22.70v3.0.0		Spec	Jumoke Ogunbekun	UMTS VHE	Coordination
121		No	Yes	Yes	09.09.00	Roaming	Noted to maintain		22.71v3.1.0		Spec	Emanuele Montegrosso	UMTS Roaming	Coordination
122		No	Yes	Yes	09.10.00	Addressing	Noted - CR to prep in 22.01		22.75v3.0.0		Spec	Stephan Kleier	UMTS Advanced Addressing	Coordination
223		Yes	Yes	No	09.10.00	Addressing	Prepare a CR on Addressing to 22.01	e-mail expected, then debate	22.01	A014	CR(P)	Steph Kleier, Paul Dwyer	CR to 22.01 on Addressing	
123		No	Yes	Yes	10.04.00	Terminals	Specification not to be maintained - Not to show on Agenda	Remove	22.10v0.0.4		Spec		UMTS Service Aspects of Terminals & IC Cards	Coordination
124	214	No	Yes	Yes	10.05.00	VHE	Noted to Upgrade to V1 Group 124, 154, 174, 163, 191		22.21v0.6.0		Spec	Jumoke Ogunbekun	UMTS VHE Spec	Fujitsu
200		No	Yes	No	10.05.00	VHE	Deleted Adhoc Thursday - Not generated				Spec	Rob, Jumoke, Mark	UMTS VHE Spec merging OSA & VHE for Friday	
214	224	Yes	Yes	Yes	10.05.00	VHE	Added ref to 174 (Put as an Annex to 214) Present as Version	SA as V1 e-mail			Spec	Jumoke	VHE 22.21 V1.0.0 Should have been 200 which was renumb to 214	
154		Yes	Yes	Yes	10.05.01	VHE	NOTED - Group 124, 154, 174, 163, 191	e-mail	22.21V0.6.0		Report VHE	Jumoke Ogunbekun	Minutes of VHE adhoc meeting held at Siemens Vienna	Fujitsu
174	224	Yes	Yes	Yes	10.05.02	VHE	Group 124, 154, 174, 163, 191	e-mail			Specification	Jumoke Ogunbekun	Proposed text to merge Open Service Architecture (OSA) & VHE.	
224		Yes	Yes	No	10.05.02	VHE	This will contain S22.21V1.1.0 including OSA+VHE	e-mail	22.21V1.1.0		Specification	Jumoke/Rob	VHE Specification integrating VHE & OSA	
163		Yes	Yes	Yes	10.05.03	VHE Svc feature	Group 124, 154, 174, 163, 191 It responds to SMG1 Tdoc 104	e-mail			Requirements	Barbara Reed	Support of service features and need for more detail	BT
191		Yes	Yes	Yes	10.05.04	VHE	Agreed 124, 154, 174, 163, 191	NA2, NA6 e-mail			LS		Reply to Comments on VHE	S1
125		No	Yes	Yes	10.06.00	Handover	Noted - Superseded by Prop in 165		22.29v1.0.0		Spec	David Cooper	UMTS Handover	TELECOM MODUSNEC
142		No	Yes	Yes	10.06.01	HandOver					Requirements	David Barnes	UMTS HANDOVER TO SECOND GENERATION SYSTEMS	DTI
165	208	No	Yes	Yes	10.06.02	HandOver	Debated at length		22.29V1.1.0		Modify	David Cooper	Proposed 22.29 v1.1.0, Handover Requirements between UMTS and GSM or other Radio Systems	TELECOM MODUSNEC
207		No	Yes	Yes	10.06.02	HandOver	Agreed	RAN, CN, SA, cc SERG, BARG, SMG			LS	David Cooper, Dolphin, Derek,	Need for inter-operator handover between UMTS and GSM	S1

208		Yes	No	No	10.06.02	Handover	Agree by e-mail & Raise to Version 2 bef S3	e-mail	22.29V2.0.0		Spec(P)	David Cooper	HandOver Spec in 165	
171		No	Yes	Yes	10.06.03	Handover	Noted					Glyn Carter	Inter-operator roaming and handover between UMTS and GSM	Dolphin
126		No	Yes	Yes	10.07.00	Multimedia MM	Ralf Fischer Declined Rapporteurship -Leave for next meeting		22.72v0.0.0		Spec	Ralf Fischer	UMTS MultiMedia	Bosch
167		No	Yes	Yes	10.07.00	MM	Noted				Requirements	Kevin Holley	Summary of Conclusions on MultimediaSMG P-99-047	SMG
168		No	Yes	Yes	10.07.00	MM	Noted				Requirements	Kevin Holley	Summary of Conclusions on Multimedia Messaging ServiceSMG P-99-048	SMG
188		No	Yes	Yes	15.01.00		5-9 July &				Invitation	Glynn Carter	Details of Quebec Meeting	Dolphin Tecom / TIW
164		No	No	No	16.00.00		free						free	

### ANNEX 3 - SUMMARY OF S1 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, Modulus	Specification 22.29	05/99	On-going	
IS-41 to UMTS Interworking	S1-212	Samsung?	Study	R99	On-going	Approved only at S1
Multicall	S1-189	Tommi Kokkola, Nokia	Stage 1 specification, Stage 2 (ffs), CR to existing specifications	R99	On-going	Approved only at S1
Quality of Service	S1-134	Olle Eriksson / Ericsson	CRs (ffs)	R99	On-going	Joint WI with S2
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	

## ANNEX 4 - SUMMARY OF S1 DELIVERABLES

Technical reports and specifications that are already under change control (i.e. at V3 or higher) are being submitted for re-approval by SA. For work in progress, expected approval milestones are shown in the table below:

Spec	Title	Rapporteur	Not Yet Approved	Approval status:	Next
TS22.00	<b>UMTS PHASE 1 CAPABILITIES</b> (A number of CRs are being presented for approval at TSG_SA#2 in Florida)	David Verrier, France Telecom		V3.0.0 SMG#28	
TS22.01	<b>UMTS SERVICE PRINCIPLES</b>	Paul Dwyer, Vodafone		V3.4.0 SMG#28	
TS22.05	<b>SERVICES AND SERVICE CAPABILITIES</b>	Wayne Ashwell, British Telecom		V3.2.0 SMG#28	
TR22.07	<b>UMTS TERMINAL AND SMART CARD CONCEPTS</b>	Mika Tolvanen, Nokia		V.3.0.0 SMG#25	
TS22.15	<b>SERVICE ASPECTS: CHARGING AND BILLING</b> NOTE: It is one of the items on our terms of reference!	Emanuele Montegrosso, TIM		V 3.0.0 SMG#28	
TS22.21	<b>VIRTUAL HOME ENVIRONMENT</b>	Jumoke Ogunbekun, Fujitsu	V0.6.0	V1.0.0 at TSG_SA#3	V2.0.0 at TSG SA#4
TR22.24	<b>CHARGING AND ACCOUNTING MECHANISM</b>	Emanuele Montegrosso, TIM		V3.0.0 SMG#25	
TR22.25	<b>QUALITY OF SERVICE AND NETWORK PERFORMANCE</b> 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	
TS22.29	<b>DRAFT HANDOVER REQUIREMENTS BETWEEN UMTS AND GSM OR OTHER RADIO SYSTEMS</b>	David Cooper, TELECOM MODUSNEC	V1,0,0 SMG#28		V2.0.0 at TSG SA#3
TR22.60	<b>MOBILE MULTIMEDIA SERVICES INCLUDING MOBILE INTRANET AND INTERNET SERVICES</b> To be kept for now Extract information or bring a CR to update. Maintain for now!	Thomas Ahnberg, TELIA		V3.0.0 SMG#25	
TR22.70	<b>VIRTUAL HOME ENVIRONMENT</b> (To be maintained for now)	Jumoke Ogunbekun, Fujitsu		V3.0.0 SMG#25	
TR22.71	<b>AUTOMATIC ESTABLISHMENT OF ROAMING RELATIONS</b>	Emanuele Montegrosso, TIM		V3.0.1 SMG#27	
TR22.72	<b>MULTIMEDIA</b>	Ralf Fischer, Bosch	V0.0.0	V1.0.0 at TSG SA#3	V1.0.0 at TSG SA#4

TR22.75	ADVANCED ADDRESSING	Stephan Kleier, MMO		V3.0.0 SMG#27	
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**ANNEX 5 - DOCUMENTS REFERENCED ABOVE (Any sequence of 3-digits)**

<b>0</b>	<b>151</b> ..... 12; 17; 21; 26;	<b>206</b> . 10; 17; 20; 26;29
002.....8	<b>152</b> ..... 12; 26	<b>207</b> ..... 15; 18; 28
003.....5	<b>153</b> ..... 12; 26	208 3; 15; 19; 21; 22;
007.....8	<b>154</b> 14; 15; 18; 21; 26	26
010.....7	155..... 7; 9; 20; 26	<b>209</b> ..... 11; 17; 26; 28
047..... 15; 26	<b>156</b> ..... 10; 17; 26; 27	<b>210</b> 10; 17; 20; 27;
048..... 15; 26	<b>157</b> ..... 4; 26	28; 29
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<b>1</b>	<b>159</b> ..... 8; 26	<b>212</b> ..... 6; 19; 25; 28
<b>104</b> ..... 1; 2; 4; 21; 24	<b>160</b> ..... 11; 17; 26;	213 .....28
105.....5; 6; 24	<b>161</b> ..... 8; 18; 26	<b>214</b> 14; 15; 21; 24; 28
<b>106</b> ..... 5; 24	<b>162</b> .. 9; 17; 25; 26; 27	215 3; 12; 17; 21; 26;
<b>107</b> ..... 5; 24	<b>163</b> 11; 15; 18; 21; 26	28
<b>108</b> ..... 6; 24	164 .....26	216 3; 12; 17; 21; 26;
<b>109</b> ..... 6; 24	<b>165</b> ..... 15; 19; 21; 26;	28
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<b>111</b> ..... 6; 24	<b>167</b> ..... 15; 26	218 ..... 13; 18; 27; 28
<b>112</b> ..... 8; 24	<b>168</b> ..... 15; 26	219 2; 9; 17; 19; 20;
<b>113</b> ..... 11; 19; 24	169 .....5; 26	28
<b>114</b> ..... 11; 24	<b>170</b> ..... 5; 26	220 2; 10; 17; 20; 28;
<b>115</b> ..... 11; 19; 24	<b>171</b> ..... 15; 27	29
<b>116</b> ..... 12; 24	<b>172</b> ..... 11; 20; 27	221 2; 10; 17; 20; 28;
<b>117</b> ..... 12; 19; 24	<b>173</b> ..... 7; 27	29
<b>118</b> ..... 13; 24	<b>174</b> 14; 15; 18; 21; 27	222 2; 11; 17; 20; 28;
119..... 9; 13; 24	<b>175</b> ..... 10; 27	29
<b>120</b> ..... 13; 24	<b>176</b> ..... 5; 27	223 .3; 14; 17; 21; 29
<b>121</b> ..... 13; 24	<b>177</b> ..... 13; 21; 27	224 3; 14; 15; 19; 21;
<b>122</b> ..... 14; 24	<b>178</b> ..... 13; 27	...
<b>123</b> ..... 14; 19; 24	<b>179</b> ..... 13; 27	225 .....2; 20; 27; 29
<b>124</b> 14; 15; 18; 21; 24	<b>180</b> ..... 10; 27	227 ..... 8; 9; 18; 29
<b>125</b> ..... 15; 24	<b>181</b> ..... 13; 18; 27;	228 .....29
<b>126</b> ..... 15; 24	<b>182</b> ..... 11; 27	229 .....29
<b>127</b> ..... 6; 18; 24	183 .. 3; 12; 17; 21; 27	230 .....29
<b>128</b> ..... 6; 25	<b>184</b> ..... 11; 27	<b>3</b>
<b>129</b> ..... 7; 18; 25	<b>185</b> .. 9; 10; 17; 18; 27	324 ..... 13
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<b>132</b> ..... 7; 19; 25	188 .....27	
<b>133</b> ..... 7; 19; 25	<b>189</b> ..... 7; 19; 20; 27	
<b>134</b> ..... 7; 13; 19; 25	<b>190</b> .. 9; 17; 19; 25; 27;	
<b>135</b> ..... 7; 19; 25	<b>191</b> ..... 15; 18; 21; 27	
<b>136</b> ..... 7; 19; 25	192..... 7; 9; 18; 27	
<b>137</b> ..... 9; 25	<b>193</b> ..... 9; 17; 26; 27	
<b>138</b> .... 7; 9; 17; 20; 25	<b>194</b> .. 9; 10; 17; 18; 27	
<del>139</del> ..... 9; 25; 26	<b>195</b> ..... 10; 17; 26; 27	
<b>140</b> ..... 10; 25	<b>196</b> 10; 17; 18; 26; 27	
<b>141</b> ..... 4; 25	<b>197</b> ..... 13; 27;	
<b>142</b> ..... 15; 25	<b>198</b> ..... 13; 27;	
<b>143</b> ..... 9; 25	<b>199</b> ..... 10; 18; 26;	
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<b>146</b> ..... 7; 25	<b>201</b> 11; 17; 20; 27; ;	
<b>147</b> ..... 6; 7; 25	29	
<b>148</b> .. 9; 10; 17; 18; 26	<b>202</b> ..... 8; 17; 26;	
<b>149</b> 10; 17; 25; 26; 27	<b>203</b> ..... 8; 18;	
<b>150</b> ..... 11; 26	<b>204</b> ..... 8; 18;	
	<b>205</b> ..... 8; 18;	



