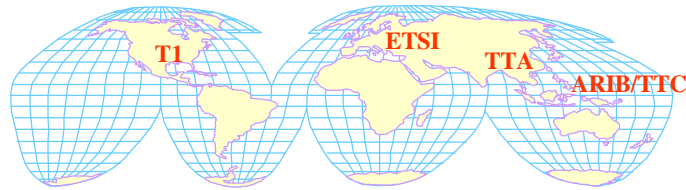


**TSG-SA Working Group 1 (Services) meeting #2 TSGS1#2(99) 104**  
**Edinburgh, Scotland 9<sup>th</sup>-12<sup>th</sup> March 1999** **March 6<sup>th</sup>, 1999 - 16:00**



**3<sup>rd</sup> Generation Partners Group**

**UMTS**

**Agenda Version 1**

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

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

TSG\_SA\_WG1 Convenor: Alan Cox  
Secretary: Roger Tarazi

## DRAFT AGENDA

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

**SOURCE:** R. TARAZI, Secretary, A K COX, Convenor

<b>1 OPENING OF THE MEETING .....</b>	<b>3</b>
<b>2 ADOPTION OF AGENDA (UMTS PART).....</b>	<b>3</b>
<b>3. REVIEW OBJECTIVES.....</b>	<b>3</b>
<b>4. ELECTION OF CHAIRMAN AND VICE CHAIRMEN .....</b>	<b>3</b>
<b>5. APPROVAL OF REPORT OF SA_WG1 99/1 HELD IN SOPHIA ANTIPOLIS.....</b>	<b>3</b>
<b>6. REPORTS FROM TSG SA#2, SMG#28, SMG1 AND OTHER GROUPS.....</b>	<b>3</b>
<b>7. REVIEW OF WORK PACKAGES, DELIVERABLES &amp; SCHEDULES.....</b>	<b>3</b>
<b>8 UMTS REQUIREMENTS, INCLUDING HARMONIZATION.....</b>	<b>4</b>
<b>9. UMTS PHASE 1 SPECIFICATION &amp; UMTS APPROVED REPORTS / SPECIFICATIONS.....</b>	<b>4</b>
9.0 UMTS PHASE 1 SPECIFICATION .....	4
9.1 SERVICE PRINCIPLES.....	5
9.2 SERVICES AND SERVICE CAPABILITIES .....	5
9.3 TERMINAL AND SMART CARD CONCEPT.....	5
9.4 SERVICE ASPECTS OF CHARGING AND BILLING .....	5
9.5 CHARGING AND ACCOUNTING MECHANISM.....	5
9.6 QUALITY OF SERVICE (QoS) AND NETWORK PERFORMANCE.....	5
9.7 MOBILE MULTI-MEDIA, INTERNET AND INTRANET .....	5
9.8 VIRTUAL HOME ENVIRONMENT .....	6
9.9 AUTOMATIC ESTABLISHMENT OF ROAMING RELATIONS.....	6
9.10 ADVANCED ADDRESSING .....	6
<b>10. WORK ON REPORTS AND SPECIFICATIONS IN PROGRESS AND PLANNED .....</b>	<b>6</b>
10.1 ARIB'S REQUIREMENTS.....	6
10.2 TTC'S REQUIREMENTS.....	6
10.3 TTA'S REQUIREMENTS.....	6
10.4 SERVICE ASPECTS OF TERMINALS AND IC CARDS.....	6
10.5 VIRTUAL HOME ENVIRONMENT .....	6
10.6 HANDOVER REQUIREMENTS BETWEEN UMTS AND GSM OR OTHER RADIO SYSTEMS.....	6
10.7 MULTIMEDIA .....	6
<b>11. PARALLEL SUB-GROUPS TO PROGRESS WORK.....</b>	<b>6</b>
<b>12. APPROVAL OF UMTS OUTPUTS AND LIAISONS .....</b>	<b>6</b>
<b>13. PROPOSALS FOR AD-HOC UMTS MEETINGS INCLUDING WITH OTHER GROUPS .....</b>	<b>6</b>
<b>14. ANY OTHER UMTS BUSINESS .....</b>	<b>6</b>
<b>15 MEETING CALENDAR.....</b>	<b>6</b>
<b>16. CLOSURE OF MEETING.....</b>	<b>7</b>

**1 Opening of the Meeting**

**2 Adoption of Agenda (UMTS Part) ..... 104**

	Monday	Tuesday	Wednesday	Thursday	Friday
	SMG1 GSM				
		SMG1 GSM / UMTS	SMG1 GSM / UMTS		
			SA_WG1 UMTS		
<b>AM</b>	<b>SMG1 GSM ONLY MEETING</b> 09:00 Open the Meeting • Status Ph2, Ph2+ • Reports SMG • Liaison Statement' • R96, R97 • R98	<ul style="list-style-type: none"> <li>• GSM Continued</li> <li>• GSM phase 2+ management</li> </ul> <b>GSM / UMTS matters- Joint Responsibility</b> <ul style="list-style-type: none"> <li>• Open the Meeting</li> <li>• Overview Service capabilities &amp; Open Applications Platform</li> </ul>	<b>SMG1 GSM only meeting:</b> <ul style="list-style-type: none"> <li>• Review of Outputs (2 Hours)</li> <li>• <b>GSM &gt; UMTS MEETING resumes</b></li> <li>• Continue Common Parts</li> <li>• Review GSM&lt;&gt;UMTS Outputs</li> </ul> <b>SA_WG1 UMTS MEETING</b> <ul style="list-style-type: none"> <li>• Open the Meeting</li> <li>• Review Objectives</li> <li>• <b>ELECTIONS</b></li> <li>• Reports</li> <li>• Work Packages</li> </ul>	<ul style="list-style-type: none"> <li>• Ad-hocs on UMTS</li> </ul>	<ul style="list-style-type: none"> <li>• UMTS Review of Outputs,</li> <li>• Other UMTS Business</li> </ul>
<b>PM</b>	<ul style="list-style-type: none"> <li>• R99</li> </ul>	<ul style="list-style-type: none"> <li>• Camel Phase 3</li> <li>• SAT</li> <li>• MExE</li> <li>• Others ...</li> </ul>	<ul style="list-style-type: none"> <li>• UMTS Continued,</li> </ul>	<ul style="list-style-type: none"> <li>• Ad-hocs on UMTS</li> </ul>	<ul style="list-style-type: none"> <li>• Closure of Meeting 13:00</li> </ul>

**VENUE:** The Crowne Plaza Hotel, 80 High Street, The Royal Mile, Edinburgh, EH1 1TH

**3. Review Objectives**

**4. Election of Chairman and Vice Chairmen for 3GPP\_TSG\_SA\_WG1**

		Tdoc
4.1	Alan Cox, (Vodafone) Candidate Chairman	141
4.2	David Cooper, (NEC) Candidate Vice Chairman	157

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

		Tdoc

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

	TOPIC	GSM	NAME	
6.1	Report from ETSI SMG#28 - Milan			106
6.2	Report from 3GPP_TSG_SA#2 - Florida			107
6.3	Report from SA_WG1#1 - Sophia Antipolis			105
6.4	Report from ETSI SMG1 - Rome			
	Report from ARIB			
	Report from TTC			
	Report from TTA			
	Report from GSA			
	Report from UMTS Forum			
	Report ETSI EP-UMTS			

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

	TOPIC	GSM	WI Rapporteur	Tdoc
7.1	UMTS Management			

7.1.2	Work Packages		Coordinator	
7.1.3	CR Data Base for UMTS Specs			109
7.1.4	Specs Data Base for UMTS			108
7.1.5	CR Form			
7.16	UMTS Work Program 30.00			110/(147 contains up-to-date data on specs and rapporteurs)
7.1.7	UMTS Baseline document 30.01			111
<b>7.2</b>	<b>Release 99 Proposal</b>			
	UMTS Phase 1 structure			
<b>7.3</b>	<b>Progress on existing WIs and Proposals for new Work Items</b>			
7.3.1	GSM to UMTS Evolution	GSM Specs	Tommi Kokkola, Nokia	127
7.3.2	IS 41 to UMTS Interworking	TTA Specs	Chang Yong, TTA	128
7.3.3	22.00 UMTS Phase 1	22.00	David Verrier, FT	129
7.3.4	UMTS Services	22.01	Paul Dwyer, Vodafone	130
7.3.5	UMTS Services and Service capabilities	22.05	Wayne Ashwell, BT	131
7.3.6	Charging and Accounting	22.15	Emanuele Montegrosso, TIM	132
7.3.7	Virtual Home Environment	22.21	Jumoke Ogunbekun, Fujitsu	133
	Support of service features and need for more detail.		Barbara Reed	163 (See Agenda item 9.2.3) Submitted as well in SMG1 Meeting
7.3.8	Quality of Service	22.25	Olle Eriksson, Ericsson	134
7.3.9	Handover GSM<->UMTS	22.29	David Cooper, NEC	135
7.3.10	Advanced Addressing	22.75	Stephan Kleier, MMO	136
7.3.11	Draft Proposed WI for Terminal capabilities		David Cooper, NEC	166
<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	146 [From TSGS#2(99)010] Pending Status from SA#2 Florida (Provisional)
<b>7.5</b>	<b>List of planned deliverables and time scales for Approval at SA Plenaries</b> ( 22 Series ....)			147 [From TSGS#2(99)010] Pending Status from SA#2 Florida (Provisional)
<b>7.6</b>	<b>New Version Management &amp; Specification deliverables</b>			
	Specs updated with SMG#28 & TSG SA#2 Approved CRs for information			
<b>7.7</b>				

## 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	159
<b>8.3</b>	Main Differences between <b>ARIB</b> and <b>SMG</b> Service Requirements		Shinji Uebayashi, NTT Mobiles	161

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

	TITLE	UMTS	WI Rapporteur	Tdoc
<b>9.0</b>	<b>UMTS Phase 1 Specification</b>	S22.00V3.1.0	David Verrier, France Telecom	112 (CRs 22.00A001, 002, 007 Applied in anticipation of Approval at SA#2)
9.0.1	<b>CR</b> - Regarding <b>emergency</b> call	22.00A003	Yutaka Harada, NEC	137
9.0.2	<b>CR</b> - Requirements on <b>MULTI-CALL</b>	22.00A004	Yutaka Harada, NEC	138
	Proposed LS on development of the			144 (TSG CN WG2 to S1)

	Multicall capability in UMTS			
	Multicall Service		(Katsuya Kawamura NTT Docomo)	<b>155</b>
9.0.3	<b>CR - Optimisation</b> of internetwork signaling	22.00A005 <b>r1</b>	Mutsuo SHIYA, Fujitsu	<del>139</del> > replaced by <b>162</b>
<del>9.0.4</del>	<del>CR - GSM evolved core network requirements to 3GPP from TTC</del>	<del>22.00A006</del>	Miyuki Soejima, NTC	<del>140</del> (old CR, replaced by Tdoc 149)
9.0.5	Answer to Liaison statement on UMTS Simultaneous Mode from SMG12			<b>143</b> (3GPP TSG CN2 to SA2, copy to SA1)
9.0.6	<b>CR - Security</b> Requirements of 22.00	22.00A	Paul Dwyer	<b>148</b>
9.0.7	<b>CR - Addition of the description for "Account for user traffic and signalling traffic"</b>	22.00	(Miyuki Soejima / NTC)	<b>149</b>
9.0.8	Requirement for Voice-Band Data and FAX Services Standardisation		(Katsuya Kawamura NTT Docomo)	<b>156</b>
9.0.9	CR - 2200 Graham Crisp on Fixed & Cordless access		Graham Crisp / Marconi - Wayne Ashwell / BT	<b>158</b>
9.0.10				
<b>9.1 Service principles</b>		S22.01V3.4.0	Paul Dwyer, Vodafone	<b>113</b>
9.1.1				
9.1.2				
9.1.3				
<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)
9.2.1	CR - Support of GSM BSs	<b>2205A</b>	Tommi Kokkola, Nokia	<b>150</b>
9.2.2	CR - Enhancements & Editorial changes	2205A	Wayne Ashwell	<b>160</b>
9.2.3	Support of service features and need for more details.....		Barbara Reed, BT	<b>163</b> (See Agenda item 7.3.7)
<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>
<b>9.4 Service Aspects of Charging and Billing</b>		S22.15V3.0.0 SMG#28	Emanuele Montegrosso, TIM	<b>116</b>
9.4.1	CR -1 UMTS Charging and Billing - Transfer of text from 22.24 into 22.15	2215A	Emanuele Montegrosso, TIM	<b>151</b>
9.4.2	CR -2 UMTS Charging and Billing Upgrading of UMTS Charging and billing features	2215A	Emanuele Montegrosso, TIM	<b>152</b>
9.4.3	CR -3 Upgrading of UMTS Charging and billing features	2215A	Emanuele Montegrosso, TIM	<b>153</b>
9.4.4				
<b>9.5 Charging and Accounting Mechanism</b>		R22.24V3.0.0 SMG#25	Emanuele Montegrosso, TIM	<b>117</b>
9.5.1				
<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...)
9.6.1	End-to-End Network Performance			<b>145</b> (Australian Communications Industry Forum / ACIF C519 Oct 1998)
<b>9.7 Mobile Multi-Media, Internet and intranet</b>		R22.60V3.0.0 SMG#25	Thomas Ahnberg	<b>119</b>
9.7.1				
<b>9.8 Virtual Home Environment</b>		R22.70V3.0.0 SMG#25	Jumoke Ogunbekun	<b>120</b>
9.8.1				

<b>9.9 Automatic Establishment of Roaming Relations</b>	R22.71V3.1.0 SMG#25	David Chambers	<b>121</b>
<b>9.10 Advanced Addressing</b>	R22.75V3.0.0	Stephan Kleier	<b>122</b>
9.11			

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

	TITLE	UMTS	WI Rapporteur	Tdoc
	<b>10.1 ARIB's Requirements</b>			
	<b>10.2 TTC's Requirements</b>			
	<b>10.3 TTA's requirements</b>			
	<b>10.4 Service Aspects of Terminals and IC cards</b>	S22.10V0.0.4	Mika Tolvanen, Nokia	<b>123</b>
	<b>10.5 Virtual Home Environment</b>	S22.21V0.6.0 (V1.0.0 at TSG_SA#3)	Jumoke Ogunbekun, Fujitsu	<b>124</b>
10.5.1	Minutes of VHE adhoc meeting held at Siemens Vienna			<b>154</b> (Jumoke O.)
10.5.2				
	<b>10.6 HANDOVER REQUIREMENTS BETWEEN UMTS AND GSM OR OTHER RADIO SYSTEMS</b>	22.29V1.0.0 at SMG#28	David Cooper, NEC	<b>125</b>
	<i>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, NEC.</i>			
10.6.1	UMTS handover to second generation systems		David Barnes / DTI	<b>142</b>
10.6.2	Proposed 22.29 v1.1.0, Handover Requirements between UMTS and GSM or other Radio Systems	22.29V1.1.0 Proposed	David Cooper / NEC	<b>165</b>
	<b>10.7 MultiMedia</b>	22.72V0.0.0	Ralf Fischer, Bosch	<b>126</b>
10.7.1	Summary of Conclusions on Multimedia		Kevin Holley	<b>167</b> SMG P-99-047
10.7.2	Summary of Conclusions on Multimedia Messaging Service		Kevin Holley	<b>168</b> SMG P-99-048

## 11. Parallel Sub-Groups to progress work

## 12. Approval of UMTS Outputs and Liaisons

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

	TITLE	UMTS	WI Rapporteur	Tdoc
13.1				

## 14. Any Other UMTS Business

## 15 Meeting Calendar

	TITLE	Tdoc
<b>15.1</b>	<b>SMG &amp; UMTS Meeting Calendars</b>	(Meeting Calendar)

xx-yy May 1999 Host:

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

08-12 November 1999

Host Requested

## 16. Closure of Meeting

### DOCUMENTS LIST (March 1<sup>st</sup> 1999 )

All documents should have a header as follows, including the Document number and the Agenda Item:

**TSG-SA Working Group 1 (Services) meeting #2 TSGS1#2(99)xxx**  
**Edinburgh, Scotland 9<sup>th</sup>-12<sup>th</sup> March 1999**

Docu- ment Num- ber	New doc	Agenda item	Type	Title	Source	Topic	Who?	Spec_Number	Elect- ronic Copy
104		02.00.00	Agenda	AGENDA	Coordination		R.Tarazi		Yes
105		06.03.00	Report	Report from SA_WG1 Meeting in Sophia	Coordination		ACox/RTarazi		No
106		06.01.00	Report	Report from ETSI SMG#28 in Milan (See Report from SMG1)	Coordination		RTarazi		No
107		06.02.00	Report	Report from 3GPP_TSG_SA#2 in Florida Includes Report of SA_WG1 in Sophia	Coordination		ACox		Yes
108		07.01.04		List of UMTS Specs	Coordination	Management	RTarazi		Yes
109		07.01.03		List of UMTS WG1 CRs	Coordination	Management	RTarazi		Yes
110		07.01.06		UMTS 30.00	Coordination	Management	ASamukic		Yes
111		07.01.07		UMTS 30.01	Coordination	Management	ASamukic		No
112		09.00.00	Spec	UMTS Phase 1 specifications (Provisional Appl of CR from SA#1)	Coordination	UMTS Ph 1	David Verrier	22.00v3.1.0	Yes
113		09.01.00	Spec	UMTS Services	Coordination	Services	Paul Dwyer	22.01v3.4.0	Yes
114		09.02.00	Spec	UMTS Services & Service capabilities (Provisional Appl of CR from SA#1)	Coordination	Capabilities	Wayne Ashwell	22.05v3.3.0	Yes
115		09.03.00	Spec	UMTS Terminals	Coordination	Terminals		22.07v3.1.1	Yes
116		09.04.00	Spec	UMTS Charging & Billing	Coordination	Charging	Emanuele Montegrosso	22.15v3.0.0	Yes
117		09.05.00	Spec	UMTS Charging & Accounting	Coordination	Charging	Emanuele Montegrosso	22.24v3.1.0	Yes
118		09.06.00	Spec	UMTS QoS	Coordination	QoS	Olle Eriksson	22.25v3.1.0	Yes
119		09.07.00	Spec	UMTS Mobile Multimedia	Coordination	MultiMedia MM		22.60v3.0.0	Yes
120		09.08.00	Spec	UMTS VHE	Coordination	VHE	Jumoke Ogunbekun	22.70v3.0.0	Yes
121		09.09.00	Spec	UMTS Roaming	Coordination	Roaming	Emanuele Montegrosso	22.71v3.1.0	Yes
122		09.10.00	Spec	UMTS Advanced Addressing	Coordination	Addressing	Stephan Kleier	22.75v3.0.0	Yes
123		10.04.00	Spec	UMTS Service Aspects of Terminals & IC Cards	Coordination	Terminals		22.10v0.0.4	Yes
124		10.05.00	Spec	UMTS VHE Spec	Fujitsu	VHE	Jumoke Ogunbejun	22.21v0.6.0	Yes
125		10.06.00	Spec	UMTS Handover	NEC	Handover	David Cooper	22.29v1.0.0	Yes
126		10.07.00	Spec	UMTS MultiMedia	Bosch	Multimedia MM	Ralf Fischer	22.72v0.0.0	Yes
127		07.03.01	WI	GSM to UMTS Evolution	Nokia	GSM<->UMTS	Tommi Kokkola, Nokia	GSM Specs	Yes
128		07.03.02	WI	IS 41 to UMTS Interworking	TTA	IS41	Chang Yong, TTA	TTA Specs	Yes
129		07.03.03	WI	22.00 UMTS Phase 1	France Telecom	UMTS Ph 1	David Verrier, FT	22.00	Yes
130		07.03.04	WI	UMTS Services	Vodafone	Services	Paul Dwyer, Vodafone	22.01	Yes
131		07.03.05	WI	UMTS Services and Service capabilities	BT	Capabilities	Wayne Ashwell, BT	22.05	Yes
132		07.03.06	WI	Charging and Accounting	TIM	Charging	Emanuele Montegrosso, TIM	22.15	Yes
133		07.03.07	WI	Virtual Home Environment	Fujitsu	VHE	Jumoke Ogunbekun, Fujitsu	22.21	Yes
134		07.03.08	WI	Quality of Service	Ericsson	QoS	Olle Eriksson, Ericsson	22.25	Yes
135		07.03.09	WI	Handover GSM<->UMTS	NEC	Handover	David Cooper, NEC	22.29	Yes
136		07.03.10	WI	Advanced Addressing	MMO	Addressing	Stephan Kleier, MMO	22.75	Yes
137		09.00.01	CR(P)	Regarding emergency call	NEC Corporation	Emergency Calls	Yutaka Harada	22.00A003	Yes
138		09.00.02	CR(P)	Requirements on multicall	NEC Corporation	Multi-Call	Yutaka Harada	22.00A004	Yes
139	162	09.00.03	XCR	Optimisation of internetwork signaling	Fujitsu	Optimization	Mutsuo SHIYA	22.00A005	Yes
140	149	09.00.04	CR(P)	GSM evolved core network requirements to 3GPP from TTC	Nippon Telecom Consulting Co	GSM Evolved NW	Miyuki Soejima	22.00A006xx	Yes

					Ltd				
141	04.01.00	Candidate	Alan Cox - Candidate for TSG_SA_WG1 Chairmanship	Vodafone	Voting	Alan Cox			Yes
142	10.06.01	Requirements	UMTS HANDOVER TO SECOND GENERATION SYSTEMS	DTI	HandOver	David Barnes			Yes
143	09.00.05	LS	Answer to Liaison statement on UMTS Simultaneous Mode from SMG12	3GPP TSG CN2	UMTS Simultaneo				Yes
144	09.00.02	LS(P)	Proposed LS on development of the Multicall capability in UMTS	TSG CN WG2	Multi-Call				Yes
145	09.06.01	Spec	End-to-End Network Performance	Australian Comm Industry Forum	QoS	Maurie Dobbin	ACIF C519 Oct 98		Yes
146	07.04.00	MS Project	Draft Work Program Submitted to SA#2	BT	Project Managem	Wayne Ashwell			Yes
147	07.05.00	22 Ser deliverables	List of planned deliverables and time scales for Approval at SA Plenaries ( 22 Series .....		22 Series Deliv				Yes
148	09.00.06	CR(P)	security requirements of 22.00	Vodafone	UMTS Security	Paul Dwyer	22.00A???		Yes
149	09.00.07	CR(P)	Addition of the description for "Account for user traffic and signalling traffic	NIPPON TELECOMMUNICATIONS CONSULTING CO.,LTD.	Traffic O&M	Miyuki SOEJIMA	22.00Axxx		Yes
150	09.02.01	CR(P)	Support of GSM BSs	Nokia	Support GSM BSS	Tommi Kokkola	22.05A???		Yes
151	09.03.01	CR(P)	CR -1 UMTS Charging and Billing - Transfer of text from 22.24 into 22.15	TIM			22.15A		Yes
152	09/03.02	CR(P)	CR-2 UMTS Charging and Billing Upgrading of UMTS Charging and billing features	TIM		Emanuele Montegrosso	22.15A		Yes
153	09.03.03	CR(P)	CR-3 22.15 manuele .doc	TIM		Emanuele Montegrosso	22.15A		Yes
154	10.05.01	Report VHE	Minutes of VHE adhoc meeting held at Siemens Vienna	Fujitsu	VHE	Jumoke Ogunbekun	22.21V0.6.0		Yes
155	09.00.02	Requirement	MultiCall Services	NTT Docomo	Multicall	Katsuya Kawamura			Yes
156	09.00.08	Requirement	Requirement for Voice-Band Data and FAX Services Standardisation	NTT Docomo	Fax Data	Katsuya Kawamura			Yes
157	04.02.00	Candidate	Candidate Vice Chairmanship David Cooper	NEC	Voting	David Cooper			Yes
158	09.00.01	CR(P)	CR - 2200 Graham Crisp on Fixed & Cordless access	Marconi	FMC	Graham Crisp	2200A		Yes
159	08.02.00	Requirements	Requirement for MMI specifications	NTT Docomo	MMI	Hidetoshi ISHIKAWA			No
160	09.02.02	CR(P)	CR- 22.05 - Editorial & Enhancements	BT		Barbara Reed	2205A		Yes
161	08.03.00	Requirements	Main Differences between ARIB and SMG Service Requirements	NTT Mobile Communications Network Inc.	ARIB vs SMG	Shinji Uebayashi			Yes
162	09.00.03	CR(P)	Replaces > 139 Addition of new phrase for optimisation of inter-network signalling	Fujitsu	Optimization	Jumoke Ogunbekun	22b00A005r1		Yes
163	09.02.03	Requirements	Support of service features and need for more detail	BT	Service Feature	Barbara Reed			Yes
164			free						No
165	10.06.02	Modify	Proposed 22.29 v1.1.0, Handover Requirements between UMTS and GSM or other Radio Systems	NEC	HandOver	David Cooper	22.29V1.1.0		Yes
166	07.03.11	WI(P)	Draft Proposed WI for Terminal capabilities	NEC	Terminals	David Cooper			Yes
167	10.07.00	Requirements	Summary of Conclusions on MultimediaSMG P-99-047	SMG	MM	Kevin Holley			Yes
168	10.07.00	Requirements	Summary of Conclusions on Multimedia Messaging ServiceSMG P-99-048	SMG	MM	Kevin Holley			Yes
169									No
170									No
171									No
172									No
173									No
174									No
175									No
176									No
177									No
178									No
179									No
180									No

**DOCUMENTS REFERENCED ABOVE (Any sequence of 3-digits):**



<b>0</b>	<b>114</b> ..... 5	<b>133</b> .....4	<b>152</b> ..... 5
	<b>115</b> ..... 5	<b>134</b> .....4	<b>153</b> ..... 5
002.....4	<b>116</b> ..... 5	<b>135</b> .....4	<b>154</b> ..... 6
007.....4	<b>117</b> ..... 5	<b>136</b> .....4	<b>155</b> ..... 5
010.....4	<b>118</b> ..... 5	<b>137</b> .....4	<b>156</b> ..... 5
047.....6	<b>119</b> ..... 5	<b>138</b> .....4	<b>157</b> ..... 3
048.....6	<b>120</b> ..... 5	<del>139</del> ..... 5	<b>158</b> ..... 5
<b>1</b>	<b>121</b> ..... 6	<del>140</del> ..... 5	<b>159</b> ..... 4
	<b>122</b> ..... 6	<b>141</b> .....3	<b>160</b> ..... 5
<b>104</b> .....1; 3	<b>123</b> ..... 6	<b>142</b> .....6	<b>161</b> ..... 4
<b>105</b> .....3	<b>124</b> ..... 6	<b>143</b> ..... 5	<b>162</b> ..... 5
<b>106</b> .....3	<b>125</b> ..... 6	<b>144</b> .....4; 5	<b>163</b> ..... 4; 5
<b>107</b> .....3	<b>126</b> ..... 6	<b>145</b> ..... 5	<b>165</b> ..... 6
<b>108</b> .....4	<b>127</b> ..... 4	<b>146</b> .....4	<b>166</b> ..... 4
<b>109</b> .....4	<b>128</b> ..... 4	<b>147</b> .....4	<b>167</b> ..... 6
<b>110</b> .....4	<b>129</b> ..... 4	<b>148</b> ..... 5	<b>168</b> ..... 6
<b>111</b> .....4	<b>130</b> ..... 4	149..... 5	
<b>112</b> .....4	<b>131</b> ..... 4	<b>150</b> ..... 5	
<b>113</b> .....5	<b>132</b> ..... 4	<b>151</b> ..... 5	