

**TSG-SA Working Group 1 (Services) meeting #3**  
**Hampton Court Palace, Surrey, UK 10<sup>th</sup>-12<sup>th</sup> May 1999**

**TSGS1#3(99) 225**  
**Version: 990508\_Noon**

## DRAFT AGENDA

### 1 Opening of the Meeting

### 2 Adoption of Agenda..... 225 (Final Version available on Saturday May 8, 99)

|   | Monday   | Tuesday   | Wednesday   |
|---|--|---|---|
| <b>AM</b>   | <p><b>SA WG1 UMTS MEETING</b><br/> <b>Registration: 9:00 AM</b><br/> <b>Meeting Starts: 9:30 AM</b></p> <ol style="list-style-type: none"> <li>Opening of the Meeting &amp; Review Objectives</li> <li>Adoption of Agenda</li> <li>Approval of Report of S1#2</li> <li>Reports from SA#3 &amp; other groups, Review Input Documents</li> <li>Review of Work Packages</li> <li>UMTS Phase 1 Approved Specs</li> </ol> | <p><b>Start 9:00 AM</b><br/> UMTS Continued....</p> <ul style="list-style-type: none"> <li>Terminal Capabilities</li> <li>Multi Media,</li> <li>SMS</li> <li>Planning future UMTS Releases</li> <li>Adhoc Meetings Preparation</li> </ul>   | <p><b>Start 9:00 AM</b></p> <ol style="list-style-type: none"> <li>UMTS Review of Meeting Outputs,</li> <li>Proposals for ad-hocs</li> </ol>  |
| <b>PM</b>   | <p>UMTS Continued .....</p> <ol style="list-style-type: none"> <li>UMTS Reports &amp; Specs in progress</li> </ol>   | <p><b>Parallel Ad-hoc Meetings</b></p> <ol style="list-style-type: none"> <li>Parallel sub-groups on: <ul style="list-style-type: none"> <li>VHE (Virtual Home Environment)</li> <li>SMS (Short Message Service) and MultiMedia Messaging</li> <li>QoS (Quality of Service)</li> <li>.....</li> </ul> </li> </ol> | <ol style="list-style-type: none"> <li>Any other business</li> <li>Meetings calendar</li> </ol> <p><b>13. Closure of Meeting at 15:30</b></p> |
| <p><b>VENUE:</b> The Garden Room, Hampton Court Palace, East Molesey, Surrey KT8 9AR, England<br/> <b>CONTACT:</b> Sheila Harding at Telecom Modus on: <a href="mailto:sheila.harding@t-modus.co.uk">sheila.harding@t-modus.co.uk</a>, Tel:+44 1372 804 880 Fax: +44 1372 804 804<br/> <b>CONTRIBUTIONS TO:</b> <a href="mailto:roger.tarazi@etsi.fr">roger.tarazi@etsi.fr</a> No later than Friday May 7, 99 12:00 PM (Noon in France) Tel : +33 4 92 94 42 28<br/> Meeting will be FULLY ELECTRONIC ! CD-ROM &amp; Acrobat Reader are recommended</p> |  |   |   |

### 3. Approval of Report of S1#2 held in Edinburgh

|            |        |            |
|------------|--------|------------|
| <b>3.1</b> | Report | <b>287</b> |
|------------|--------|------------|

### 4. Reports from TSG SA#3 and other groups

|     |   |                       |                           |
|-----|---|-----------------------|---------------------------|
| 4.1 | Report from SA#3 - Yokohama                       | David Cooper, T-Modus | <b>298</b>                |
|     | PCG#1 Draft meeting report (pdf)                  |                       | <b>295</b> (SP-99166 PCG) |
|     | Managing the TSG project coordination group (pdf) |                       | <b>296</b> (SP-99167 PCG) |

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|------------|---|--|--|
| 4.2        | Report from ARIB                                  |  |  |
| 4.3        | Report from ETSI                                  |  |  |
| 4.4        | Report from TTC                                   |  |  |
| 4.5        | Report from TTA                                   |  |  |
| 4.6        | Report from GSA                                   |  |  |
| 4.7        | Report from UMTS Forum                            |  |  |
| 4.8        | Report ETSI EP-UMTS                               |  | Xxx, <b>229</b> (LS from S1 sent Post-S1#2 to EP-UMTS) |
|            | <b>Liaisons received, not elsewhere on agenda</b> |  |  |
| <b>4.9</b> | <b>Call Control &amp; Session Management</b>      |  |  |

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|--------|--|--|-----------------------|------------------|
| 4.9.1  | LS on UMTS Call Control and Session Management |  |                       | 245 (N3-99072)   |
| 4.11   | <b>Feasibility - Prohibited Zone</b>           |  | Chummun Ferrial, Sony | 249 (1-99-139)   |
| 4.12   | <b>MExE Stage 1 for Release 99</b>             |  |                       | 261 (T2-99433)   |
| 4.12.1 | USSD Enhancements in GSM 02.90 Version 8.0.0   |  | Steffen Habermann     | 320 (N_SS-99038) |
|        |  |  |                       |                  |
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## 5. Review of Work Packages, Deliverables & Schedules

|       |   |           |                      |   |
|-------|---|-----------|----------------------|---|
| 5.1   | <b>UMTS Management</b>  |           |                      |   |
| 5.1.1 | UMTS Approved Specs   |           |                      | 331 (S1 3G Specifications and reports) <i>Updated with new specification numbering and new format. 330 (22.100V3.3.0)</i> |
| 5.1.2 | e-MAIL Approval Procedure   |           |                      | 280 (e-Mail Procedure)  |
| 5.1.3 | Spec-Numbering  |           |                      | 286 (SP-99183)  |
| 5.1.4 | UMTS CR DataBase  |           |                      |   |
| 5.1.5 | Work distribution between TSG S1 and TSG T2   |           |                      | 233 (T2-99248) Answer to LS S1-99089  |
|       | Relationship of T2 work items with S1 and S2 work                                   |           |                      | 307 (T2 Chairman)   |
| 5.1.6 | Draft 3GPP Specifications status list April 1999                                    |           |                      | <del>303</del> SP-99210 Ian Doig Replaced by an updated version:<br>315 (Ian Doig)  |
|       |   |           |                      |   |
| 5.2   | <b>Release 99 Proposal</b>  |           |                      |   |
| 5.2.1 | LS on document handling of supplementary service specifications for Release 99      |           | Steffen Habermann    | 318 (N_SS-99041)  |
|       |   |           |                      |   |
| 5.3   | <b>Plans for future releases</b>  |           |                      |   |
| 5.3.1 | <b>UMTS Release 2000</b>  |           |                      |   |
| 5.4   | <b>Progress on existing WIs and Proposals for new Work Items</b>                    |           |                      |   |
| 5.4.0 |   |           |                      |   |
| 5.4.1 | GSM to UMTS Evolution   | GSM Specs | Tommi Kokkola, Nokia | 127 (S1#2)  |
| 5.4.2 | UMTS Interworking with ANSI-41 networks<br><b>(IS 41 to be replaced by ANSI-41)</b> | TTA Specs | Xxxx , TTA           | 272 <b>(SA#3 STATUS...)</b> revised in:<br>299 (SP-99187) Pending PCG Approval  |

|        |  |       |                           |            |
|--------|--|-------|---------------------------|------------|
| 5.4.3  | 22.00 UMTS Phase 1                     | 22.00 | David Verrier, FT         | 129 (S1#2) |
| 5.4.4  | UMTS Services                          | 22.01 | Paul Dwyer, Vodafone      | 130 (S1#2) |
| 5.4.5  | UMTS Services and Service capabilities | 22.05 | Wayne Ashwell, BT         | 131 (S1#2) |
| 5.4.6  | Charging and Accounting                | 22.15 | Emanuele Montegrosso, TIM | 132 (S1#2) |
| 5.4.7  | Virtual Home Environment               | 22.21 | Jumoke Ogunbekun, Fujitsu | 133 (S1#2) |
| 5.4.8  | Quality of Service                     | 22.25 | Olle Eriksson, Ericsson   | 134 (S1#2) |
| 5.4.9  | Handover GSM<->UMTS                    | 22.29 | David Cooper, NEC         | 135 (S1#2) |
| 5.4.10 | Advanced Addressing                    | 22.75 | Stephan Kleier, MMO       | 136 (S1#2) |
| 5.4.11 | Draft Proposed WI for Terminal         |       | David Cooper, NEC         | 166 (S1#2) |

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|--------|--------------------------|--|------------------|--|
|        | capabilities             |  |                  |  |
| 5.4.12 | Proposed WID on multical |  | Jumoke Ogunbekun | <b>276 (SA#3 STATUS: Approved with one constraint: See hidden text below ... )</b> |
|        |                          |  |                  |  |
|        |                          |  |                  |  |

## 6. UMTS Phase 1 Approved Specifications & Reports

|                                       | TITLE | UMTS                | WI Rapporteur                 | Tdoc           |
|---------------------------------------|-------|---------------------|-------------------------------|----------------|
| <b>6.1 UMTS Phase 1 Specification</b> |       | S22.100v3.3.0 Draft | David Verrier, France Telecom | <b>282 330</b> |

Approval of 22.100 V3.3.0 (missed CR 22100A008)

|                              |  |             |  |  |
|------------------------------|--|-------------|--|--|
| <b>6.1.1 CR on Emergency</b> |  | 22100A003r2 |  | <b>262</b> (Rejected at SA#3) See equivalent CR On 02.01 |
| <b>6.1.2 NT FAX</b>          |  |             |  |  |

|   |   |           |                               |  |
|---|---|-----------|-------------------------------|--|
| 6.1.2.1   | Support of non-transparent FAX service                              |           | Norihiro Ishikawa, NTT Docomo | <b>304</b> (e-mail .txt ) + <b>269</b> (99-128) NT-FAX |
| 6.1.2.2   | LS on the Provision of Facsimile in UMTS and GSM                    |           |                               | <b>274</b> (T2-99241)                                  |
| 6.1.2.3   | TR22_45_Study-on-provison-of-fax-gsm_UMTS.doc                       |           |                               | <b>273</b> (T2-99241_T2-99194)                         |
| 6.1.2.4   | Real time fax services  |           |                               | <b>271</b> (T2-99186)                                  |
| 6.1.2.5   | Proposed LS to N3 and T2 (Non-Transparent FAX service)              |           | Katsuya Kawamura NTT Docomo   | <b>326</b>   |
| 6.1.2.6   | Clarification of facsimile requirements                             |           | Hans Lindgren, Ericsson       | <b>316</b>   |
|   |   |           |                               |  |
|   |   |           |                               |  |
| <b>6.1.3 on the Pre-paging Feasibility Report</b> |   |           |                               | <b>265</b> (N2-99277)                                  |
|   |   |           |                               |  |
| <b>6.1.4 Security</b>                             |   |           |                               |  |
| 6.1.4.1   | 22100A012_S1-99148 Security.doc                                     | 22100A012 |                               | <b>278</b> (Pending)                                   |
| 6.1.4.2   | 22100A013_S1-99185 Security .rtf                                    | 22100A013 |                               | <b>279</b> (Pending)                                   |
|   |   |           |                               |  |
| <b>6.1.5 Tandem Free Operation (TFO)</b>          |   |           |                               |  |
| 6.1.5.1   | LS to S1 on Tandem Free Operation, stage 1 service description      |           |                               | <b>246</b> (S4-99137) to S1                            |
| 6.1.5.2   | Tandem Free Operation of speech codecs; Stage 1 service description |           |                               | <b>247</b> (S4-99138)                                  |
|   |   |           |                               |  |
| <b>6.1.6 Numbering Scheme</b>                     |   |           |                               |  |
| 6.1.6.1   | Clarification of numbering scheme                                   |           | Katsuya-Kawamura, NTT Docomo  | <b>323</b>   |
|   |   |           |                               |  |

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|--------------|--|----------------------------|------------------------------|--|
| <b>6.1.7</b> | <b>Non-Transparent bearer services</b>                               |                            |                              |  |
| 6.1.7.1      | Proposed Liaison Statement regarding non-transparent bearer services |                            | Katsuya-Kawamura, NTT Docomo | <b>324</b>   |
|              |  |                            |                              |  |
|              |  |                            |                              |  |
| <b>6.2</b>   | <b>Service principles</b>  | S22.101v3.5.0              | Paul Dwyer, Vodafone         | <del>283</del> (NEW with CRs APPROVED at SA#3) >> Updated one in <a href="#">S1-99331 S1-Specs-and-Reports</a>                       |
| <b>6.2.1</b> | <b>CR on Emergency</b>   | 22101A017                  |                              | <b>263</b> (CR Rejected at SA#3)   |
|              |  |                            |                              |  |
| <b>6.2.2</b> | <b>SIM -USIM InterWorking</b>  |                            |                              |  |
| 6.2.2.1      | Cross compatibility issues between GSM and 3G                        |                            | Nigel Barnes, Motorola       | <b>227</b> (T3-99093)  |
| 6.2.2.2      | Document on GSM/UMTS "interworking" with regard to SIM and USIM      |                            |                              | <b>231</b> (SP-99143 < S3-99080) Security Aspects<br><b>ACTION:</b> S3 asks confirmation of its assumptions                          |
| 6.2.2.3      | SIM/USIM Compromise, Leadership TSG SA                               |                            |                              | <b>302</b> (SP-99208) SA#3   |
|              |  |                            |                              |  |
|              |  |                            |                              |  |
| <b>6.3</b>   | <b>Services and Service Capabilities</b>                             | S22.105                    | Wayne Ashwell, BT            | <del>284</del> (NEW with CRs APPROVED at SA#3) >> Updated one in <a href="#">S1-99331 S1-Specs-and-Reports</a>                       |
| 6.3.1        | <b>Quality of Service</b>  |                            | Olle Eriksson                |  |
|              |  |                            |                              |  |
| 6.3.2        | QoS Joint Meeting  |                            |                              | <b>237</b> (S2-99149)  |
| 6.3.3        | QoS Requirements   |                            | Olle Eriksson                | <b>244</b> (Presented at SA#3) SP-99162  |
| 6.3.4        | S1_QoS Adhoc Meeting report  |                            |                              | <b>239</b>   |
| 6.3.5        | CR to 22.05 Presented for information at SA#3                        |                            |                              | <b>292</b> (SP-99161 CR to 2205 on QoS)<br><b>240</b> (CR) and a modified Version in <b>243</b><br><b>*** Status to be clarified</b> |
| 6.3.6        | Proposal from 3GPP to utilise its work on QoS in tg8/1               |                            |                              | <b>Xxx SP-99157</b> Can be provided if needed<br><b>301</b> SP-99206   |
| 6.3.7        | Comments to CR concerning QoS of TS22.05                             |                            |                              | <b>294</b> (SP-99177)  |
| 6.3.8        | LS on Principles for Bearer services and Quality of Service.         |                            |                              | <b>293</b> (SP-99212) SA#3 APPROVED LS to TSG-RAN, TSG-CN, TSG-T, all sub working groups   |
| 6.3.9        | Quality of Service -Proposed changes to 22.____                      |                            |                              | <b>306</b> (BT- For Decision)  |
| 6.3.10       | Requirements of IP based Multimedia-Applications over UMTS           |                            | Thomas Wierlemann, t-Mobil   | <b>310</b>   |
| 6.3.11       | Re-negotiation feature   |                            | Katsuya-Kawamura, NTT Docomo | <b>322</b>   |
| 6.3.12       | CR to 22.05  | <a href="#">22.105A009</a> | Olle Eriksson, Ericsson      | <b>327</b>   |
| 6.3.13       | CR to 22.05 Refinement of Quality of Service requirements            | <a href="#">22.105A010</a> | Olle Eriksson, Ericsson      | <b>328</b>   |
| 6.3.14       | CR to 22.05 Quality of Service –                                     | <a href="#">22.105A011</a> | Olle Eriksson,               | <b>329</b>   |

|  |   |               |                           |  |
|--|---|---------------|---------------------------|--|
|  | Correction  |               | Ericsson                  |  |
|  |   |               |                           |  |
|  |   |               |                           |  |
| <b>6.4 Service Aspects of Charging and Billing</b>                           |   | S22.115V3.1.0 | Emanuele Montegrosso, TIM | <b>285</b> (New, with SA#3 Approved CRs)<br>>> Updated one in<br><a href="#">S1-99331 S1-Specs-and-Reports</a>           |
| 6.4.1  | LS on Charging Requirements for 3G Systems                                |               |                           | <b>275</b> -(S5-99051)   |
| <b>6.5 Handover requirements between UMTS and GSM or other radio systems</b> |   | 22.129 V3.0.0 | David Cooper, NEC         | <b>288</b> (SP99-100) (APPROVED AS VERSION 3 AT SA#3) >> Updated one in<br><a href="#">S1-99331 S1-Specs-and-Reports</a> |
| 6.5.1  | LS to TSG SA 1:Requirements for inter-operator Handover                   |               |                           | <b>305</b> (R3-99366 < In response to : S1-99207)  |
| 6.5.2  | Inter Operator Handover and Network Selection Mode                        |               | Gunnar Schmidt, Bosch     | <b>313</b> (Proposal for Discussion)   |
|  |   |               |                           |  |
|  |   |               |                           |  |
| <b>6.6 Mobile Multi-Media, Internet and intranet</b>                         |   | R22.960       | Thomas Ahnberg            | >> Updated one in<br><a href="#">S1-99331 S1-Specs-and-Reports</a>   |
|  |   |               |                           |  |
| <b>6.7 Automatic Establishment of Roaming Relations</b>                      |   | R22.971       | David Chambers            | >> Updated one in<br><a href="#">S1-99331 S1-Specs-and-Reports</a>   |
|  |   |               |                           |  |
| <b>6.8 Advanced Addressing</b>   |   | R22.975       | Stephan Kleier            | >> Updated one in<br><a href="#">S1-99331 S1-Specs-and-Reports</a>   |
|  |   |               |                           |  |
| <b>6.9 Terminal Capabilities</b>   |   |               |                           |  |
| <b>6.9.1 Multi-Mode Terminals</b>  |   |               |                           |  |
| 6.9.1.1  | LS on ongoing work in T2 SWG5 -Multi-mode terminals                       |               |                           | <b>252</b> (T2-99394)  |
|  |   |               |                           |  |
| <b>6.9.2 Terminal Capabilities</b>   |   |               |                           |  |
|  | Proposed LS to SA and S1 (Services and service capabilities on terminals) |               |                           | <b>297</b> (SP-99179 < T3-99101) NTT Docomo)   |
| 6.9.2.1  | LS on Principles for the continued work with Terminal Capabilities        |               |                           | <b>232</b> (T2-99282) to All WGs   |
| 6.9.2.2  | Identification of services capabilities                                   |               |                           | <b>251</b> (SP-99125 < T2-99447) to S1<br><b>ACTION:</b> To formulate a response to T2                                   |
| 6.9.2.2  | Proposed investigations for LS answer                                     |               | Katsuya-Kawamura,         | <b>321</b> Pending   |

|  |   |                        |              |  |
|--|---|------------------------|--------------|--|
|  | on "Identification of service capabilities"                           |                        | NTT Docomo   |  |
| 6.9.2.3  | Report of the current status on terminal capabilities                 |                        |              | <b>253</b> (SP-99209-T2-99446) to All WGs  |
| 6.9.2.4  | LS answer to TSG-T2 on Baseline Terminal Capabilities                 |                        |              | <b>250</b> (R4-99165) to T2 copy to S1, ....                                     |
| 6.9.2.5  | Mandatory and Optional Terminal Capabilities                          |                        |              | <b>308</b> (T2 Chairman)   |
| 6.9.2.6  | Services and service capabilities on terminals                        |                        |              | <b>311</b> (TP-99104)  |
| 6.9.2.7  | CR to 22.101 on TE Capabilities                                       | CR<br><b>22101A018</b> |              | <b>312</b> (t-Modus, David Cooper)   |
| <b>6.9.3 SMS</b>                                 |   |                        |              |  |
| 6.9.3.1  | SMS_Messaging - LS on Changes to working assumptions                  |                        |              | <b>254</b> (T2-99423)<br>This replaces <b>248</b> (T2-99312, T2-99309, T2-99310) |
| 6.9.3.2  | Working assumptions for a Multimedia Messaging Service (Revised)      |                        |              | <b>255</b> (T2-99421)  |
| 6.9.3.3  | Working Assumptions for 3G SMS (Revised)                              |                        |              | <b>256</b> (T2-99420)  |
| 6.9.3.4  | Proposed Change to SMS Text in 22.00                                  |                        | Kevin Holley | <b>281</b> (e-Mail 30 April 99) >> <b>309</b> (T2 Chairman)                      |
| <b>6.9.4 TE Power Classes</b>                    |   |                        |              |  |
|  | LS on Future definition of UE power classes                           |                        |              | <b>241</b> (R4-99161) to S1, R2, T2, copy to:R1, RAN                             |
| <b>6.9.5 Users With Special Needs &amp; USIM</b> |   |                        |              |  |
|  | LS on Need for special field on the 3GPP-UICC regarding human factors |                        |              | <b>259</b> (T3-99122) to S1, copy to HF<br>Includes SP-99094                     |

|                                      |             |  |                    |  |
|--------------------------------------|-------------|--|--------------------|--|
| <b>6.9.6 Location Services (LCS)</b> |             |  |                    |  |
|                                      |             |  | Don Zelmer, T1P1.5 | <b>236</b> (LCS GSM 02.71 Stage 1 V1.0.1)<br>Rcv'd May 2, 99 |
|                                      | LCS in UMTS |  |                    | <b>264</b> (9p152890) From T1P1 to S1                        |
|                                      |             |  |                    |  |
|                                      |             |  |                    |  |
|                                      |             |  |                    |  |
|                                      |             |  |                    |  |

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

|                                     | TITLE  | UMTS      | WI Rapporteur             | Tdoc   |
|-------------------------------------|--|-----------|---------------------------|--|
| <b>7.1 Virtual Home Environment</b> |  |           |                           |  |
|                                     |  | S22.121   | Jumoke Ogunbekun, Fujitsu | <b>268</b> (S1_VHE-99024)<br>) >> <a href="#">Updated one in S1-99331 S1-Specs-and-Reports</a>                   |
| 7.1.1                               | User Profiles  |           |                           | <b>257</b> (T2-99432) to S1 Addressed at S1_VHE Adhoc in Dublin  |
| 7.1.2                               | Virtual Home Environment; Open Service Architecture (UMTS 23.27 version 0.1.0) | 23.27v010 |                           | <b>291</b> SP-99153<br>From SA#3 report: "document has been transferred to SA WG1 for completion with VHE work." |
| <b>7.2 Quality of Service</b>       |  |           |                           |  |
|                                     |  |           | Olle Eriksson             | <a href="#">New Format &gt;&gt; Updated one in S1-99331 S1-Specs-and-Reports</a>                                 |

|                       |   |              |                                |  |
|-----------------------|---|--------------|--------------------------------|--|
| <b>7.3 MultiMedia</b> |   | 22.972       |                                | <a href="#">New Format &gt;&gt; Updated one in S1-99331 S1-Specs-and-Reports</a>                               |
| <b>7.4 MultiCall</b>  |   | 22.135V1.0.0 |                                | <b>289</b> (PRESENTED AS VERSION 1 AT SA#3)<br>>> Updated one in <a href="#">S1-99331 S1-Specs-and-Reports</a> |
| 7.4.1                 | Multicall Stage1 document   |              | Katsuya Kawamura<br>NTT-Docomo | <b>325</b>   |
| 7.4.2                 | Liaison Statement on Comments on 3GPP specification 22.135, Version 1.0.0, Service Aspects of Multicall |              | Steffen Habermann              | <b>319</b> (N_SS-99040)  |
| 7.4.3                 | Requested changes to TS 22.135 v 1.0.0  |              | Hans Lindgren,<br>Ericsson     | <b>317</b>   |
|                       |   |              |                                |  |
|                       |   |              |                                |  |
|                       |   |              |                                |  |

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|-----------------------------|--|--|--|--|
| <b>7.5 Other Work Items</b> |  |  |  |  |
|-----------------------------|--|--|--|--|

## 8. Parallel Sub-Groups to progress work

## 9. Approval of UMTS Outputs and Liaisons

|     |                            |  |  |                       |
|-----|----------------------------|--|--|-----------------------|
| 9.1 | S1#3, Hampton Court Report |  |  | <b>300</b> (R.Tarazi) |
|-----|----------------------------|--|--|-----------------------|

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

## 11. Any Other Business

## 12. Meeting Calendar

05-09 July 1999 SMG1 & S1  
Montreal, Quebec, Canada

Host: Telesystem International Wireless Inc,

29<sup>th</sup> Nov - 3<sup>rd</sup> Dec 1999 SMG1 & S1

Host:

## 13. Closure of Meeting

Meeting will close at 15:30, 12 May, 1999

**ANNEX A - SUMMARY OF S1 DELIVERABLES: Specifications and Reports**

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

| Spec   | Title   | Rapporteur   | Not Yet Approved         | Approval status:      | Next                  | Comment   |
|--|---|--|--------------------------|-----------------------|-----------------------|---|
| <b>TS22.100</b><br><b>V3.3.0</b><br><b>draft</b> | <b>UMTS PHASE 1 CAPABILITIES</b>  | Jean-Paul Gallaire (David Verrier), France Telecom |                          | V3.0.0<br>SMG#28      |                       | (A number of CRs are being presented for approval at TSG_SA#3 in Japan) |
| <b>TS22.101</b><br><b>V3.5.0</b>                 | <b>UMTS SERVICE PRINCIPLES</b>  | Paul Dwyer, Vodafone                               |                          | V3.4.0<br>SMG#28      |                       | (A number of CRs are being presented for approval at TSG_SA#3 in Japan) |
| <b>TS22.105</b><br><b>V3.4.0</b>                 | <b>SERVICES AND SERVICE CAPABILITIES</b>  | Wayne Ashwell, British Telecom                     |                          | V3.2.0<br>SMG#28      |                       | (A number of CRs are being presented for approval at TSG_SA#3 in Japan) |
| <b>TS22.115</b><br><b>V3.1.0</b>                 | <b>SERVICE ASPECTS: CHARGING AND BILLING</b>                                      | Emanuele Montegrosso, TIM                          |                          | V 3.0.0<br>SMG#28     |                       | (One CR is being presented for approval at TSG_SA#3 in Japan)           |
| <b>TS22.121</b>                                  | <b>VIRTUAL HOME ENVIRONMENT</b>   | Jumoke Ogunbekun, Fujitsu                          | <b>V1.2.0</b>            | V1.0.0 at<br>TSG_SA#3 | V2.0.0 at TSG<br>SA#4 |   |
| <b>TS22.129</b><br><b>V3.0.0</b>                 | <b>HANDOVER REQUIREMENTS BETWEEN UMTS AND GSM OR OTHER RADIO SYSTEMS</b>          | David Cooper, TELECOM MODUS                        | V1,0,0<br>SMG#28         | V2.0.0 at TSG<br>SA#3 |                       | <b>Approved at SA#3</b>   |
| <b>TS22.135</b>                                  | <b>DRAFT MULTICALL</b>  | Tommi Kokkola, Nokia                               | <b>V1.0.0</b> at<br>SA#3 |                       |                       | <b>INFORMATION AT SA#3</b>  |
| <b>TR22.960</b><br><b>V3.0.1</b>                 | <b>MOBILE MULTIMEDIA SERVICES INCLUDING MOBILE INTRANET AND INTERNET SERVICES</b> | Thomas Ahnberg, TELIA                              |                          | V3.0.0<br>SMG#25      |                       | Proposed to keep that specification.                                    |
| <b>TR22.971</b><br><b>V3.1.1</b>                 | <b>AUTOMATIC ESTABLISHMENT OF ROAMING RELATIONS</b>                               | Emanuele Montegrosso, TIM                          |                          | V3.0.1<br>SMG#27      |                       | Noted - To be maintained.   |
| <b>TR22.75</b><br><b>V3.0.1</b>                  | <b>ADVANCED ADDRESSING</b>  | Stephan Kleier, MMO                                |                          | V3.0.0<br>SMG#27      |                       |   |

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

|                 |  |                           |  |                   |  |                              |
|-----------------|--|---------------------------|--|-------------------|--|------------------------------|
| <b>TR22.907</b> | <b>UMTS TERMINAL AND SMART CARD CONCEPTS</b> | Mika Tolvanen, Nokia      |  | V.3.0.0<br>SMG#25 |  | Not Updated anymore,<br>Kept |
| <b>TR22.924</b> | <b>CHARGING AND ACCOUNTING MECHANISM</b>     | Emanuele Montegrosso, TIM |  | V3.0.0<br>SMG#25  |  | Not Updated anymore          |



|         |  |                               |        |                    |                    |                     |
|---------|--|-------------------------------|--------|--------------------|--------------------|---------------------|
| TR22.25 | <b>QUALITY OF SERVICE AND NETWORK PERFORMANCE</b><br>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<br>SMG#25   |                    |                     |
| TR22.70 | <b>VIRTUAL HOME ENVIRONMENT</b>  | Jumoke Ogunbekun, Fujitsu     |        | V3.0.0<br>SMG#25   |                    | Not updated anymore |
| 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 |                     |

## ANNEX B - UMTS Work Items

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

|                              |                                    |                      |   |     |          |  |
|------------------------------|------------------------------------|----------------------|---|-----|----------|--|
| ANSI-41 to UMTS Interworking | S1- <del>242</del><br>NEW EXPECTED | ,TTA                 | Study   | R99 | On-going |  |
| Multicall                    | S1- <del>489</del><br>NEW EXPECTED | Tommi Kokkola, Nokia | Stage 1 specification, Stage 2 (ffs), CR to existing specifications | R99 | On-going |  |

**ANNEX C – DOCUMENTS LIST**

| Doc | New | Agenda      | Pendi | Dea | Elec | Type          | Title  | Source             | Topic           | Who?                | Spec_Numb | CR#  |
|-----|-----|-------------|-------|-----|------|---------------|--|--------------------|-----------------|---------------------|-----------|------|
| 225 |     | 02.00.00    | No    | No  | No   | Agenda        | Final Agenda S1 Meeting Hapton Court - Available May 9, 99   | MCC Support        | Agenda UMTS     | Roger Tarazi        |           |      |
| 227 |     | 06.02.02    | No    | No  | Yes  | LS(P)         | Cross compatibility issues between GSM and 3G  | T3-99093           | GSM SIM Compati | Nigel Barnes        |           |      |
| 229 |     | 04.08.00    | No    | No  | Yes  | LS            | Liaison Statement to EP-UMTS on Status of activity on service aspects in Partnership Project 3GPP  | S1                 | EP-UMTS         |                     |           |      |
| 230 |     |             | No    | No  | No   |               | free   |                    |                 |                     |           |      |
| 231 |     | 06.02.02    | No    | No  | Yes  | LS(P)         | Document on GSM/UMTS "interworking" with regard to SIM and USIM                                    | S3-99080           | GSM SIM Compati |                     |           |      |
| 232 |     | 06.09.02    | No    | No  | Yes  | LS(inR)       | on Principles for the continued work with Terminal Capabilities                                    | T2-99282           | TE Capabilities | Friedhelm Rodermund |           |      |
| 233 |     | 05.01.05    | No    | No  | Yes  | LS(inR)       | Answer to LS TSGS1#1(99)089 Work distribution between TSG S1 and TSG T2                            | T2-99248<-S1-99089 | Work Sharing    | Friedhelm Rodermund |           |      |
| 236 |     | 06.09.06    | No    | No  | Yes  | Specification | LCS Stage 1 - Rcvd May 2 99  | 9p152971 T1P1.5    | LCS             | Don Zelmer          |           |      |
| 237 |     | 06.03.01    | No    | No  | Yes  | LS(inR)       | QoS Joint Meeting  | S2-99149           | QoS             |                     |           |      |
| 239 |     | 06.03.01    | No    | No  | Yes  | Report QoS    | S1_QoS-99014-ReportD0_1.doc  | S1_QoS             | QoS Adhoc       |                     |           |      |
| 240 |     | 06.03.01    | No    | No  | Yes  | CR(P)         | CR2205QoS990409.doc  | S1_QoS             | QoS Adhoc       | Olle Eriksson       | 22.05     | A009 |
| 241 |     | 06.09.04    | No    | No  | Yes  | LS (in)       | LS on Future definition of UE power classes, to: R2, S1 and T2, copy to: R1, RAN, sent 16 April 91 | R4-99161           | UE Power        |                     |           |      |
| 243 |     | 06.03.01    | No    | No  | Yes  | CR(P)         | CR2205QoS990423.doc  | Delegate QoS Adhoc | QoS             |                     |           |      |
| 244 |     | 06.03.01    | No    | No  | Yes  | Proposal      | QoS Requirements   | Delegate QoS Adhoc | QoS             | Olle Eriksson       |           |      |
| 245 |     | 04.09.01    | No    | No  | Yes  | LS            | on UMTS Call Control and Session Management  | N3-99072           | Call Ctrl SessM |                     |           |      |
| 246 |     | 06.01.05    | No    | No  | Yes  | LS            | LS to S1 on Tandem Free Operation, stage 1 service description                                     | S4-99137           | TFO             |                     |           |      |
| 247 |     | 06.01.05    | No    | No  | Yes  | Specification | Tandem Free Operation of speech codecs; Stage 1 service description                                | S4-99138           | TFO             |                     |           |      |
| 248 | 254 | 06.09.03.01 | No    | No  | Yes  | Proposal      | Working Assumptions for Messaging  | T2-99312, T2-      | SMS             |                     |           |      |

|     |     |             |    |    |     |                 | Services   | 99309, T2-99310 |                 |                  |              |  |
|-----|-----|-------------|----|----|-----|-----------------|--|-----------------|-----------------|------------------|--------------|--|
| 249 |     | 04.11.00    | No | No | Yes | Feasibility     | Feasibility - Prohibited Zone Shield                               | 1-99-139        | Prohibited Zone | Ferrial Chummun  |              |  |
| 250 |     | 06.09.02    | No | No | Yes | LS              | LS answer to TSG-T2 on Baseline Terminal Capabilities              | R4-99165        | TE Capabilities |                  |              |  |
| 251 |     | 06.09.02    | No | No | Yes | Proposal        | Identification of services capabilities                            | T2-99447        | TE Capabilities |                  |              |  |
| 252 |     | 06.09.01    | No | No | Yes | LS              | LS on ongoing work in T2 SWG5 – Multi-mode terminals               | T2-99394        | RE MultiMode    |                  |              |  |
| 253 |     | 06.09.02    | No | No | Yes | Report          | Report of the current status on terminal capabilities              | T2-99446        | TE Capabilities |                  |              |  |
| 254 |     | 06.09.03.01 | No | No | Yes | LS              | SMS_Msgng.doc LS on Changes to working assumptions                 | T2-99423        | SMS             |                  |              |  |
| 255 |     | 06.09.03    | No | No | Yes | LS              | SMS MM_Messaging   | T2-99421        | SMS Messaging   |                  |              |  |
| 256 |     | 06.09.03    | No | No | Yes | LS              | 3G_SMS.doc   | T2-99420        | SMS 3G          |                  |              |  |
| 257 |     | 07.01.01    | No | No | Yes | LS              | VHE User Profiles  | T2-99432        | VHE User Profil |                  |              |  |
| 258 |     | 04.10.00    | No | No | Yes | LS(in)          | on the requirement for Active Location Retrieval in CAMEL Phase 3  | N2A99345        | Camel Ph 3 ACTI |                  |              |  |
| 259 |     | 06.09.05    | No | No | Yes | LS(in)          | on Need for special field on the 3GPP-UICC regarding human factors | T3-99122        | USIM HF         |                  |              |  |
| 260 |     | 04.10.00    | No | No | Yes | CR(P)           | CR 02.78-??? on the clarification of MidCall DP in T-BCSM.         | NTT-Docomo      | Camel Ph 3      | Takeshi Sugiyama |              |  |
| 261 |     | 04.12.00    | No | No | Yes | LS(P)           | MExE Stage 1 for Release 99  | T2-99433        | MExE            |                  |              |  |
| 262 |     | 06.01.01    | No | No | Yes | CR(P Postponed) | 2200A003r2__S1-99190 Status--- Postponed.rtf                       | S1-99190 SA#3   | Emergency 22.00 |                  |              |  |
| 263 |     | 06.02.01    | No | No | Yes | CR(P Postponed) | 2201A017__S1-99219 Status--- Postponed.rtf                         | S1-99219 SA#3   | Emergency 22.01 |                  |              |  |
| 264 |     | 06.09.06    | No | No | Yes | LS              | Location Services LCS  | 9p152890 T1P1.5 | LCS             | Don Zelmer       |              |  |
| 265 |     | 06.01.03    | No | No | Yes | Feasibility     | on the Pre-paging Feasibility Report                               | N2-99277        | Pre-Paging      |                  |              |  |
| 266 |     | 04.10.00    | No | No | Yes | LS              | on Called Party Number Modification Check in CAMEL                 | N2-99275        | CAMEL Ph 3 CP   |                  |              |  |
| 267 |     | 04.10.00    | No | No | Yes | LS(P)           | Proposed LS on CAMEL triggering criteria                           | N2-99224        | CAMEL Ph 3      |                  |              |  |
| 268 | 331 | 07.01.00    | No | No | Yes | Specification   | VHE Specification Outcome of S1_VHE, Dublin                        | S1_VHE-99024    | VHE             | Jumoke Ogunbekun | 22.121V1.2.0 |  |
| 269 |     | 06.01.02    | No | No | Yes | LS              | Support of non-transparent FAX                                     | NTT Dococmo     | FAX NT          | Norihiro         |              |  |

|     |     |             |    |    |     |                 |  |                   |                 |                  |              |      |
|-----|-----|-------------|----|----|-----|-----------------|--|-------------------|-----------------|------------------|--------------|------|
|     |     |             |    |    |     |                 | service  |                   |                 | Ishikawa         |              |      |
| 270 |     | 04.10.05    | No | No | Yes | LS              | GPRS PSTN / ISDN interconnect  | T2-99193          | GPRS PSTN/ISDN  |                  |              |      |
| 271 |     | 06.01.02    | No | No | Yes | LS              | Real time fax services   | T2-99186          | FAX RealTime    |                  |              |      |
| 272 |     | 05.04.02    | No | No | Yes | WI              | IS-41  | S1-               | ANSI-41         |                  |              |      |
| 273 |     | 06.01.02    | No | No | Yes | Specification   | TR22_45_Study-on-provison-of-fax-gsm_UMTS.doc                          | T2-99241_T2-99194 | FAX             |                  | 22.945V      |      |
| 274 |     | 06.01.02    | No | No | Yes | LS              | on the Provision of Facsimile in UMTS and GSM                          | T2-99241          | FAX             |                  |              |      |
| 275 |     | 06.04.01    | No | No | Yes | LS              | to 3GPP TSG-SA WG1 on Charging Requirements for 3G Systems             | S5-99051          | Charging in 3G  |                  |              |      |
| 276 |     | 05.04.12    | No | No | Yes | WI              | MultiCall  | S1-               | Multicall       | Jumoke Ogunbekun |              |      |
| 277 |     | ??????      | No | No | Yes | WI              | Draft TSG-SA WG4 Work Item on Codec(s) for Wideband Telephony Services | S4-99037R3        | Codec           |                  |              |      |
| 278 |     | 06.01.04    | No | No | Yes | CR(P)           | 22100A012_S1-99148 Security.doc  | S1-Edinburgh      | Security        |                  | 22.100       | A012 |
| 279 |     | 06.01.04    | No | No | Yes | CR(P)           | 22100A013_S1-99185 Security .rtf                                       | S1-Edinburgh      | Security        |                  | 22.100       | A013 |
| 280 |     | 05.01.02    | No | No | Yes | Guideline       | e-MAIL PROCEDURE   | S1                | Methods         | Tommi Kokkola    |              |      |
| 281 | 309 | 06.09.03.04 | No | No | Yes | Crequest        | ChangeRequest_To_2200_on_SMS_Kevin_Holley.txt                          | T2-e-Mail         | SMS             | Kevin Holley     |              |      |
| 282 | 331 | 06.01.00    | No | No | Yes | Specification   | 22100-320 CRs APPLIED.doc  | MCC Support       | UMTS Phase 1    | David Verrier    | 22.100V3.2.0 |      |
| 283 | 331 | 06.02.00    | No | No | Yes | Specification   | 22101-350 CRs applied.doc  | MCC Support       | Services        | Paul Dwyer       | 22.101V3.5.0 |      |
| 284 | 331 | 06.03.00    | No | No | Yes | Specification   | 22105-340 CRs APPLIED.doc  | MCC Support       | Service Capabil | Wayne Ashwell    | 22.105V3.4.0 |      |
| 285 | 331 | 06.04.00    | No | No | Yes | Specification   | 22115-310 CRs APPLIED.doc  | MCC Support       | Charging        | E.Montegrosso    | 22.115V3.1.0 |      |
| 286 |     | 05.01.03    | No | No | Yes | Guideline       | Spec-Numbering   | SP-99183          | Methods         |                  |              |      |
| 287 |     | 03.01.00    | No | No | Yes | Report          | S1-Report from Edinburgh, Scotland                                     | S1-99228 Rep_D1_1 | Report          |                  |              |      |
| 288 | 331 | 06.05.00    | No | No | Yes | Specification   | 22129V202_on_Handover.doc  | SA#3 APPROVED     | HandOver        | David Cooper     | 22.129V2.0.2 |      |
| 289 | 331 | 07.04.00    | No | No | Yes | Specification   | 22135v100_Multicall.DOC  | SA#3 INFORMATION  | MultiCall       | Tommi Kokkola    | 22.135V1.0.0 |      |
| 290 | 331 | 05.01.01    | No | No | Yes | Specification s | ALL S1 3G (UMTS) 22 Series SPECS                                       | MCC Support       | All Specs       | Roger Tarazi     | 22.xyz.V     |      |

|     |     |             |     |    |     |                |   |                                |                 |               |           |  |
|-----|-----|-------------|-----|----|-----|----------------|---|--------------------------------|-----------------|---------------|-----------|--|
| 291 |     | 07.01.00    | No  | No | Yes | Specifications | SP-99153 23.27v010.doc  | SP-99153                       | VHE             |               | 23.27v010 |  |
| 292 |     | 06.03.00    | No  | No | Yes | CR             | QoS CR to 22.05 presented at SA#3   | SP-99161                       | QoS             | Olle Eriksson |           |  |
| 293 |     | 06.03.00    | No  | No | Yes | LS             | LS on Principles for Bearer services and Quality of service               | SP-99212                       | QoS             | Horst Rauch   |           |  |
| 294 |     | 06.03.00    | No  | No | Yes | Comments       | Comments to CR concerning QoS of TS22.05                                  | SP-99177 T-Mobil               | QoS             | Horst Rauch   |           |  |
| 295 |     | 04.01.00    | No  | No | Yes | Management     | PCG#1 Draft meeting report (pdf)  | SP-99166 PCG                   |                 |               |           |  |
| 296 |     | 04.01.00    | No  | No | Yes | Management     | Managing the TSG project coordination group (pdf)                         | SP-99167 PCG                   |                 |               |           |  |
| 297 |     | 06.09.02    | No  | No | Yes | LS(P)          | Proposed LS to SA and S1 (Services and service capabilities on terminals) | SP-99179 < T3-99101 NTT Docomo | TE Capabilities |               |           |  |
| 298 |     | 04.01.00    | No  | No | Yes | Report         | SA#3 Report into S1   | t-Modus                        | Report          | David Cooper  |           |  |
| 299 |     | 05.04.02    | No  | No | Yes | WI             | Revised Work Item Description for IS-41 (ANSI-41)                         | SP-99187                       | ANSI-41         |               |           |  |
| 300 |     | 09.00.00    | Yes | No | No  | Report         | Report from S1#3 Hampton Court (Converting the Agenda into a Report)      | MCC Support                    |                 | ROGER TARAZI  |           |  |
| 301 |     | 06.03.00    | No  | No | Yes | LS(SA#3 P)     | Proposed liaison to ITU-R on: REVISION OF RECOMMENDATION ITU-R M.1079     | SP-99206 to REPLACE            | QoS             |               |           |  |
| 302 |     | 06.02.02    | No  | No | Yes | LS             | SIM/USIM Compromise   | SP-99208 SA#3 Leadership       | GSM SIM Compati |               |           |  |
| 303 | 315 | 05.01.06    | No  | No | Yes | Status         | Draft 3GPP Specifications status list April 1999                          | SP-99210                       |                 | Ian Doig      |           |  |
| 304 |     | 06.01.02    | No  | No | Yes | e-Mail         | S1-99269_Regarding-LS-from-TSG-CN3.txt                                    | S1-99269 NTT Docomo            |                 |               |           |  |
| 305 |     | 06.05.01    | No  | No | Yes | LS             | Requirements for Inter-Operator HandOver                                  | R3-99366 < S1-99207)           | HandOver        |               |           |  |
| 306 |     | 06.03.09    | No  | No | Yes | LS             | QoS inputs to 22 Series   | BT                             | QoS             | Wayne Ashwell |           |  |
| 307 |     | 05.01.05    | No  | No | Yes | LS             | Relationship of T2 work items with S1 and S2 work                         | T2 Chairman                    | Work Sharing    | Kevin Holley  |           |  |
| 308 |     | 06.09.02.05 | No  | No | No  | LS             | Mandatory and Optional Terminal Capabilities                              | T2 Chairman                    | TE Capabilities | Kevin Holley  |           |  |
| 309 |     | 06.09.03.04 | No  | No | Yes | Change         | SMS Section in 22.00 – proposed revised text                              | T2 Chairman                    | SMS             | Kevin Holley  |           |  |
| 310 |     | 06.03.10    | No  | No | Yes |                | Requirements of IP based Multimedia-                                      | t-Mobil                        | QoS             | Thomas        |           |  |

|     |             |     |    |     |                    |  | Applications over UMTS  |             |                 | Wierleman         |        |      |
|-----|-------------|-----|----|-----|--------------------|--|---|-------------|-----------------|-------------------|--------|------|
| 311 | 06.09.02    | No  | No | Yes | LS                 |  | Services and service capabilities on terminals  | TP-99104    | TE Capabilities | Kiyohito NAGATA   |        |      |
| 312 | 06.09.02    | No  | No | Yes | CR(P)              |  | CR to 22.101 Terminal Capabilities  | T-Modus     | TE Capabilities | David Cooper      | 22.101 | A018 |
| 313 | 06.05.02    | No  | No | Yes | Proposal           |  | Inter Operator Handover and Network Selection Mode  | Bosch       | Handover        | Gunnar Schmidt    |        |      |
| 314 |             | No  | No | No  |                    |  | free  |             |                 |                   |        |      |
| 315 | 05.01.06    | No  | No | Yes | Specification List |  | Replaces 303 Draft 3GPP Specifications status list April 1999   | MCC Support | Status Specs    | Ian Doig          |        |      |
| 316 | 06.01.02.06 | No  | No | Yes | Change             |  | SA1-CR2200_Fax  | Ericsson    | NT FAX          | Hans Lindgren     | 22.100 |      |
| 317 | 07.04.03    | No  | No | Yes | Change             |  | SA1-CR22135_Multicall   | Ericsson    | MultiCall       | Hans Lindgren     | 22.135 |      |
| 318 | 05.02.01    | No  | No | Yes | LS(IN)             |  | LS on document handling of supplementary service specifications for Release 99                          | N_SS-99041  | SS              | Steffen Habermann |        |      |
| 319 | 07.04.02    | No  | No | Yes | LS(IN)             |  | Liaison Statement on Comments on 3GPP specification 22.135, Version 1.0.0, Service Aspects of Multicall | N_SS-99040  | MultiCall       | Steffen Habermann |        |      |
| 320 | 04.12.01    | No  | No | Yes | LS(IN)             |  | USSD Enhancements in GSM 02.90 Version 8.0.0  | N_SS-99038  | UUSD ENH        | Steffen Habermann |        |      |
| 321 | 06.09.02.02 | Yes | No | No  | LS(P)              |  | Proposed investigations for LS answer on "Identification of service capabilities"                       | NTT Docomo  | Service Capabil | Katsuya-Kawamura  |        |      |
| 322 | 06.03.11    | No  | No | Yes | Change             |  | Re-negotiation feature  | NTT Docomo  | QoS             | Katsuya-Kawamura  | 22.100 |      |
| 323 | 06.01.06.01 | No  | No | Yes | Changes            |  | Clarification of numbering scheme   | NTT Docomo  | Numbering Schem | Katsuya-Kawamura  | 22.100 |      |
| 324 | 06.01.07.01 | No  | No | Yes | LS(P)              |  | Proposed Liaison Statement regarding non-transparent bearer services                                    | NTT Docomo  | Besrer Services | Katsuya-Kawamura  |        |      |
| 325 | 07.04.01    | No  | No | No  |                    |  | Multicall Stage1 document   | NTT Docomo  | MultiCall       | Katsuya-Kawamura  | 22.135 |      |
| 326 | 06.01.02.05 | No  | No | Yes | LS(P)              |  | Proposed LS to N3 and T2 (Non-Transparent FAX service)  | NTT Docomo  | NT FAX          | Katsuya-Kawamura  |        |      |
| 327 | 06.03.12    | No  | No | Yes | CR(P)              |  | QoS   | Ericsson    | QoS             | Olle Ericsson     | 22.105 | A009 |
| 328 | 06.03.13    | No  | No | Yes | CR(P)              |  | QoS refinement of requirements  | Ericsson    | QoS             | Olle Ericsson     | 22.105 | A010 |

|     |          |    |    |     |               |  |             |                 |               |                |      |
|-----|----------|----|----|-----|---------------|--|-------------|-----------------|---------------|----------------|------|
| 329 | 06.03.14 | No | No | Yes | CR(P)         | Quality of service requirements        | Ericsson    | QoS             | Olle Ericsson | 22.105         | A011 |
| 330 | 06.01.00 | No | No | Yes | Specification | 3G 22.100 V 3.3.0 draft                | MCC Support | 3G Phase 1 Spec |               | 22.22100V3.3.0 |      |
| 331 | 05.01.01 | No | No | Yes | Specs         | All Specs except 22.100 (See Tdoc 330) | MCC Support | S1 Specs        |               | 22 Series      |      |
| 332 |          | No | No | No  |               |  |             |                 |               |                |      |
| 333 |          | No | No | No  |               |  |             |                 |               |                |      |
| 334 |          | No | No | No  |               |  |             |                 |               |                |      |
| 335 |          | No | No | No  |               |  |             |                 |               |                |      |
| 336 |          | No | No | No  |               |  |             |                 |               |                |      |
| 337 |          | No | No | No  |               |  |             |                 |               |                |      |

**ANNEX D – LIST OF DOCUMENTS REFERENCED IN THIS AGENDA**

|                  |                  |   |                  |   |                  |   |
|------------------|------------------|---|------------------|---|------------------|---|
| <i>I</i>         | <b>229</b> ..... | 1 | <b>261</b> ..... | 2 | <b>292</b> ..... | 4 |
|                  | <b>231</b> ..... | 4 | <b>262</b> ..... | 3 | <b>293</b> ..... | 4 |
| 100 .....        | <b>232</b> ..... | 5 | <b>263</b> ..... | 4 | <b>294</b> ..... | 4 |
| 101 .....        | <b>233</b> ..... | 2 | <b>264</b> ..... | 6 | <b>295</b> ..... | 1 |
| 105 .....        | <b>236</b> ..... | 6 | <b>265</b> ..... | 3 | <b>296</b> ..... | 1 |
| <b>115</b> ..... | <b>237</b> ..... | 4 | <b>268</b> ..... | 6 | <b>297</b> ..... | 5 |
| 121 .....        | <b>239</b> ..... | 4 | <b>269</b> ..... | 3 | <b>298</b> ..... | 1 |
| <b>127</b> ..... | <b>240</b> ..... | 4 | <b>271</b> ..... | 3 | <b>299</b> ..... | 2 |
| 128 .....        | <b>241</b> ..... | 6 | <b>273</b> ..... | 3 |                  |   |
| <b>129</b> ..... | <b>243</b> ..... | 4 | <b>274</b> ..... | 3 | 3                |   |
| <b>130</b> ..... | <b>244</b> ..... | 4 | <b>275</b> ..... | 5 | <b>300</b> ..... | 7 |
| <b>131</b> ..... | <b>245</b> ..... | 2 | <b>276</b> ..... | 3 | <b>301</b> ..... | 4 |
| <b>132</b> ..... | <b>246</b> ..... | 3 | <b>278</b> ..... | 3 | <b>302</b> ..... | 4 |
| <b>133</b> ..... | <b>247</b> ..... | 3 | <b>279</b> ..... | 3 | <b>303</b> ..... | 2 |
| <b>134</b> ..... | <b>248</b> ..... | 6 | <b>280</b> ..... | 2 | <b>304</b> ..... | 3 |
| <b>135</b> ..... | <b>249</b> ..... | 2 | <b>281</b> ..... | 6 | <b>305</b> ..... | 5 |
| <b>136</b> ..... | <b>250</b> ..... | 6 | <b>282</b> ..... | 3 | <b>306</b> ..... | 4 |
| 139 .....        | <b>251</b> ..... | 5 | <b>283</b> ..... | 4 | <b>307</b> ..... | 2 |
| <b>166</b> ..... | <b>252</b> ..... | 5 | <b>284</b> ..... | 4 | <b>308</b> ..... | 6 |
| 489 .....        | <b>253</b> ..... | 6 | <b>285</b> ..... | 5 | <b>309</b> ..... | 6 |
|                  | <b>254</b> ..... | 6 | <b>286</b> ..... | 2 | <b>310</b> ..... | 4 |
| 2                | <b>255</b> ..... | 6 | <b>287</b> ..... | 1 | <b>311</b> ..... | 6 |
| 242 .....        | <b>256</b> ..... | 6 | <b>288</b> ..... | 5 | <b>312</b> ..... | 6 |
| 225 .....        | <b>257</b> ..... | 6 | <b>289</b> ..... | 7 | <b>313</b> ..... | 5 |
| <b>227</b> ..... | <b>259</b> ..... | 6 | <b>291</b> ..... | 6 | <b>315</b> ..... | 2 |

|                  |   |                  |   |                  |      |                  |   |
|------------------|---|------------------|---|------------------|------|------------------|---|
| <b>316</b> ..... | 3 | <b>321</b> ..... | 6 | <b>326</b> ..... | 3    | <b>331</b> ..... | 2 |
| <b>317</b> ..... | 7 | <b>322</b> ..... | 4 | <b>327</b> ..... | 4    | <b>8</b>         |   |
| <b>318</b> ..... | 2 | <b>323</b> ..... | 3 | <b>328</b> ..... | 4    |                  |   |
| <b>319</b> ..... | 7 | <b>324</b> ..... | 4 | <b>329</b> ..... | 5    |                  |   |
| <b>320</b> ..... | 2 | <b>325</b> ..... | 7 | <b>330</b> ..... | 2, 3 |                  |   |