

Draft T2#21 Report v 0.2

**3rd Generation Partnership Project (3GPP);
Technical Specification Group Terminals (TSG-T);
Working Group 2 Mobile Terminal Services and Capabilities;
Draft Meeting Report
T2#21
San Diego, CA, USA, 12-16 May 2003**



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Chairman: Ian HARRIS (Teleca Ltd.)

Secretary: Friedhelm RODERMUND (MCC)

1 Opening Plenary

1.1 Opening of the meeting

T2 chairman Ian HARRIS (Teleca Ltd.) opened the meeting and welcomed the delegates. Ed EHRlich (Nokia) welcomed the delegates to San Diego on behalf of the North American Friends of 3GPP and explained the logistics and organizational details.

1.2 Approval of the agenda and schedule

The agenda and schedule was presented as in **T2-030201**. The SWG3 chairman announced that SWG3 will suspend their session at 10:30am on Wednesday to allow delegates to join the SA1 Messaging session which lasts from 11am until lunch. This was added to the agenda which was then approved.

Ed EHRlich reported from the PCG regarding the scheduling of meetings of interest to members of 3GPP and 3GPP2. Such meeting should be agreed to ahead of time by the groups involved. WG/SWGs should not interrupt their regular meeting schedule for meetings that are called by companies/Individual members without this prior agreement. No problem in this regard was identified for the informal joint discussion between T2 and 3GPP2-X.

1.3 Notification of IPR Obligations

The chairman made the call for IPRs. **T2-030202** gives some background information on IPR issues and should be studied by member companies holding IPRs related to 3GPP standards.

The chairman drew the attention of the delegates to the fact that 3GPP Individual Members have an obligation under the IPR Policies of their respective Organizational Partners to inform their respective Organizational Partners of Essential IPRs they become aware of. They were invited to investigate in their company whether their company does own IPRs which are, or are likely to become Essential in respect of the work of the TSG-Terminals and to notify the Director-General or chairman of their respective Organizational Partners, of all potential IPRs that their company may own, by means of the IPR Statement and the Licensing declaration forms.

1.4 Elections of T2 chairman and vice-chairman

Ian HARRIS (RIM) presented himself as a candidate for the chairmanship of T2 and explained the future objectives of his work in case he would become elected. His letter of support was available in **T2-030330**. There was no other candidate. Ian HARRIS was elected by acclamation.

Paul VOSKAR (Nokia) presented himself as a candidate of vice-chairman for T2. His letter of support was available in **T2-030331**. There was no other candidate. Paul VOSKAR was elected by acclamation.

1.5 Report of the last T2 meeting

The report of T2#20 San Francisco, CA, USA, 20-24 January 2003 (**T2-030200**) was approved.

The approved report is available on the 3GPP server at:

ftp://www.3gpp.org/TSG_T/WG2_Capability/TSWT2_20/Report

1.6 Reports from other groups

1.6.1 Report from TSG T

A summary of issues of T2 interest from the T#19 meeting held in Birmingham, UK, 12 - 14 March 2003 was presented by Friedhelm RODERMUND in **T2-030205**:

Comments/questions:

- Some CRs on AT commands were approved in T2 and objections were raised later at TSG-T level. For the future, the T2 chairman asked delegates to let him know about any concerns or objections to T2 documents in advance to a TSG-T meeting if possible.

The report was noted.

The draft TSG-T#19 meeting report can be found in **T2-030206**.

The documents can be found on the FTP server at:

ftp://ftp.3gpp.org/TSG_T/TSG_T/TSWT_19

The specifications updated after T#19 can be found at:

ftp://www.3gpp.org/Specs/2003_03

1.6.2 Report from TSG SA

A summary of issues of T2 interest from SA#18 meeting held in Birmingham, UK, 17 - 20 March 2003 was presented by Friedhelm RODERMUND in **T2-030205**:

T2 had been requested to revise the MMS Enhancements WID and to identify work overlap with OMA.

The report was noted.

The draft TSG-SA#19 meeting report can be found in **T2-030207**.

The documents can be found on the FTP server at:

ftp://ftp.3gpp.org/TSG_SA/TSG_SA/TSWS_19

1.6.3 Report from TSG T2 SWG1

No SWG1 meeting took place since the last T2 meeting.

1.6.4 Report from TSG T2 SWG2

The SWG2 chairman Prem SOOD (Sharp) reported from the T2 SWG2#04 meeting on GUP/DDM held 16-18 January in Berlin, Germany hosted by Siemens. The report can be found in **T2-0300242**. Topics discussed at this meeting were GUP/DDM topics related to TS 23.241 and TS 24.241. The agenda was limited to GUP/DDM and Common objects work for specifications 23.241 and 24.241. Three output documents have been produced for this meeting in **T2-030243**, **T2-030244**, **T2-030245**. A new version 0.3.5 of 23.241 was created after the SWG2 meeting as a result of the discussions.

The SWG2 chairman Prem SOOD (Sharp) reported from the joint meeting T2 SWG2/SA5-SWG-A on UEM. The report can be found in **T2-030247**. Topics discussed at this meeting included User Equipment

Management, Subscription Management, Generic User Profiles/Data Description Method. SA5 do not anticipate the new project plan will require 27.150 work or GAP Analysis work in T2-SWG2. SA5 agreed to provide draft versions of its GAP Analysis work docs to solicit input for T2 SWG2 members who have expressed a desire to provide inputs. Subscription Management is based on the GUP work which T2 SWG2 is doing in 23.241. The schedule dependencies were discussed. SA5 suggested to discuss the GUP questions in a conference call.

1.6.5 Report from TSG T2 SWG3

No SWG3 meeting took place since the last T2 meeting.

1.6.6 Open Mobile Alliance (OMA)

Opinions were expressed that a more formal way of interworking with OMA is required. TSG-T vice-chairman Ed EHRlich reported from a suggested framework agreement received from OMA at PCG level. It would require 3GPP to change their working procedures. The paper was focussing on IPR and copyright issues and not on the practical ways of cooperation and therefore it wouldn't improve much the cooperation on a technical level.

1.7 Registration and allocation of documents

The document list was presented and the documents were assigned to the subgroups. A complete document list as of the end of the meeting can be found in Annex A.

All registered meeting documents, which were made available in the inbox of the meeting server, can be found on the 3GPP server at:

ftp://www.3gpp.org/TSG_T/WG2_Capability/TSGT2_21_SanDiego/Docs

1.8 Incoming Liaison Statements:

All LSs were assigned to SWGs in advance to the meeting by the T2 secretary as can be seen in the doclist in Annex A.

1.9 3GPP Work Plan

The latest version of the 3GPP work plan was available in **T2-030208**. Besides listing all the work items including the expected completion date and a progress indication, a lot of other useful information can be found (link to the WID, name of work item rapporteur etc.). All WGs are requested by the TSGs to review and update the work plan at each meeting. The work plan was not presented in detail at this meeting and Friedhelm RODERMUND will consult with the SWG chairs and work item rapporteurs for creating the update.

T2-030203 contains the list of TSs and TRs for which T2 is responsible showing the latest versions of these specifications. The document was noted. The T2 chairman announced to update the rapporteurs list off-line.

1.10 AOB

T2-030309 is an update of the document showing the MMS Rel-6 WID supporting companies for each item. The additional companies which announced their support at TSG-T#19 had been added.

The document was noted and it was intended to use the document further while revising the MMS Rel-6 WID.

T2-030308 is a proposed revised WID on MMS Enhancements (Rel-6) from T-Mobile, Vodafone, AWS, Telefonica, TIM. T2 had been tasked by TSG-T and SA to update the existing MMS enhancements WID to plan for a more realistic scope for MMS Rel-6 and to create some visibility for what can be expected for Rel-6. This document shows the MMS functional enhancements required by the operators who submitted this document.

The document was presented in the opening plenary and deferred to further discussion to SWG3.

T2-030239 is a document from Ericsson, Motorola, Nokia, Siemens summarising T2 activities. TSG-T had requested T2 to create such a document.

Discussion:

- It was clarified that there is an additional request from TSG-SA to fill in a template with any OMA dependencies. The completed templates from the different WGs will be merged in one document for the next TSG-SA meeting at which SA will then analyse the dependencies and derive conclusions if additional measures are required to improve cooperation with OMA. Friedhelm RODERMUND volunteered to create this document in **T2-030209**.
- It was suggested to change Maintenance to Technical Enhancements and Improvements
- It was proposed to split out the differences between overlap and interaction, and to align the document partly with the OMA dependencies template.
- Regarding the future of T2, Prem SOOD commented that there is an ongoing need for T2 to look at terminal aspects in an overall broad sense.

The SWGs were asked to review the document and provide comments and amendments.

T2-03+447785360000 contains a very valuable contribution from the re-elected T2 chairman Ian HARRIS with the title "What I really meant wasthis". The document is considered being useful in particular for new delegates to enable them to follow the often very complex and sophisticated discussions carried out by the experts at T2.

The document was approved and placed under change control.

2 Subgroup Meetings

Between T2 opening and closing plenary, two sub group sessions (SWG2, SWG3) were held. The reports can be found in Annexes D-E. The results may have been changed and amended during the closing plenary. The final results of the T2#21 meeting are reported in the following clauses.

3 Closing Plenary

3.1 Results SWG1 Execution Environment

No SWG1 session took place during the T2#21 meeting.

3.2 Results SWG2 Terminal Interfaces and Capabilities

The SWG2 report in **T2-030241** was presented by SWG2 chairman Prem SOOD (Sharp). The report can be found in Annex D.

Topics discussed at this meeting included, Generic User Profiles, User Equipment Management, AT Commands, WLAN Functions.

Soren CHRISTENSEN (Ericsson) is the new rapporteur of TS 27.007. Kurt BISCHINGER (T-Mobile International) was appointed as rapporteur for TS 23.241: Henrik THUVESSON (TeliaSonera) offered help for the transition period.

23.241 Generic User Profile (GUP) requirements; Stage 2; Data description framework and 24.241 Generic User Profile (GUP) requirements; Stage 3; Access; Common objects are scheduled for presentation to TSG-T

for information in September, and for approval in December. 24.241 might be moved for 3 months. A new draft version of 23.241 has been created. 23.241 v0.4.0 can be found in **T2-030359**.

The T2 chairman suggested that the SWG chairmen make delegates who could not attend the T2 meeting due to travel restrictions aware of the results of the meeting and the documents approved, and ask them if they see any problems.

3.2.1 Change requests

T2-030259 contains a CR 27.007 Rel-6 correcting several references. The CR was agreed.

3.2.2 Outgoing Liaison Statements

T2-030263 contains an LS to S3 cc S2 on UE security aspects of the GUP architecture. T2 asks SA3 to review the Terminal GUP Use Cases and GUP security implications on the Terminal architecture and provide T2 with information (cc to SA2) on the results of that discussion. T2-020221 and T2-030035 are attached. The LS was agreed.

T2-030267 contains an LS to T3 about the +CGQREQ AT command use in TS 31.111. T2 recommends the use of the newer AT Command +CGEQREQ. The LS was agreed.

3.3 Results SWG3 Messaging

The report of SWG3 was presented in **T2-030281** by Josef LAUMEN (Siemens). Some minor modifications were made and the report was revised in **T2-030362**. The SWG3 report can be found in Annex E.

Regarding the requested review of MMS for PSTN/ISDN (form SA#19) it was decided that the 23.140 rapporteur, Josef LAUMEN (Siemens), will provide feedback to the rapporteur of the MMS for PSTN/ISDN specification offline.

The MMS Enhancements WID (REL-6) was revised and agreed in **T2-030312**. It is now restructured showing the priority of the targeted areas. Since only few of the targeted areas could be deleted from the WID it was agreed that the WID will be reviewed at T2#22 and that those items without input at T2#22 will be removed from it. A document showing the supporting companies for each item was available in **T2-030313**. During the closing plenary, "Investigate and identify" was deleted from the WID in three places and two more supporting companies (AWS and Openwave) were added. The WID was revised in **T2-030361** and agreed.

3GPP / 3GPP2 Harmonisation: On Tuesday, T2 SWG3 session closed before 5:00 pm so delegates could meet on an informal basis with 3GPP2 to discuss potential interoperability issues. Agreements were reached on information exchange, areas where interoperability issues might arise were identified and these areas were prioritised.

MMS requirements / SA1: T2 SWG3 sessions were suspended on Wednesday 11:00 to 12:30 to allow delegates to attend an SA1 messaging SWG session.

3.3.1 Change requests

T2-030284 contains a to CR 23.040 on reserved values in TP-Status. The present way of headlining groups of reserved values has lead to confusion of implementors. The CR was agreed.

T2-030320 contains a CR on 23.040 R99 about SMS operation over GPRS. In order to trigger a second try of the delivery in the SMSC via MSC when the mobile has no SM capability over SGSN, the error "SM Delivery Failure with indication: equipment Not SM Equipped" is added in the appropriate list under clause 8.1.1. The CR was agreed.

T2-030321 contains a CR on 23.040 Rel-4 on SMS operation over GPRS. The CR was agreed.

T2-030322 contains a CR on 23.040 Rel-5 on SMS operation over GPRS. The CR was agreed.

T2-030323 contains a CR on 23.040 Rel-6 on SMS operation over GPRS. The CR was agreed.

T2-030325 contains a CR to 23.140 Rel-4 updating several references, in particular references to WAP MMS specifications to reflect the migration to OMA. It was clarified that the referenced OMA documents are publicly available. The CR was agreed.

T2-030326 contains a CR to 23.140 Rel-5 updating several references. The CR was agreed.

T2-030327 contains a CR to 23.140 Rel-6 updating several references. The CR was agreed.

T2-030329 contains a CR to 23.140 REL-6 Support for DRM in MMS. This CR describes how DRM can be applied to MMS. During the closing plenary, a small rephrasing was done regarding the DRM-related media types in SOAP messages. It was clarified that the text only puts requirement on the UE and not on the MMS relay/server. The CR was revised to **T2-030357** and agreed.

T2-030337 contains a CR to 23.140 Rel-6 on the extension of the X-Mms-MM-Status-Code "reject", in the MM4_Delivery_report.REQ. When the usage of the MM4_Delivery_report is extended between MMS Relay/Servers, it would be beneficial to have a more granular Status Code than "rejected". The CR was agreed.

T2-030338 contains a CR to 23.140 Rel-6 on the addition of IEs that currently exist in MM1/MM4 but not in MM7. The missing IEs, Previously-Sent-By and Previously-Sent-Date were added to the Stage 2 level of MM7. The CR was agreed.

T2-030339 contains a CR to 23.140 Rel-6 on over the air provisioning in MMS. Over the air provisioning of terminals with MMS parameters is described, referencing OMA specifications. The CR was agreed.

T2-030340 contains a CR to 23.140 Rel-6 on the addition of information regarding encrypted or obfuscated address in MM7. Information elements are added to MM7_deliver.REQ and to MM7_submit.REQ to inform the VASP that an encrypted or obfuscated address is used. The CR was agreed.

T2-030341 contains a CR to 23.140 Rel-6 on the addition of SPI to MM7 reference point. Information regarding the sender's and recipient's Service Provider Identification is added to MM7_deliver.REQ. The CR was agreed.

T2-030344 contains a CR to 23.140 Rel-6 on Charged Party ID. This is to provide to the VASP the possibility to identify a party that shall incur the MMS charges. The CR was agreed.

T2-030347 contains a CR 23.140 REL-6 correction of RFC 2821 reference. Correct RFC 821 to RFC 2821 which aligns with the reference section and the rest of the document. The CR was agreed.

T2-030348 contains a CR 23.140 REL-4 correction of RFC 2821 reference. The CR was agreed.

T2-030349 contains a CR 23.140 REL-5 correction of RFC 2821 reference. The CR was agreed.

3.3.2 Outgoing Liaison Statements

T2-030314 contains an LS to ETSI AT-F on Proposal for Interconnection between a FSMSC and SMSCs/FSMSCs in other networks. T2 asks the ETSI AT-F Rapporteurs group to consider the benefit of joint meeting with some 3GPP TSG T2 SMS experts and to advise 3GPP TSG T2 accordingly. The LS was agreed. *Note after the meeting: The LS was written by the T2 chairman and 23.040 rapporteur Ian HARRIS who confirmed after the meeting that T2-030314 was copied to CN5 by mistake. Instead it should be copied to CN4 regarding MAP aspects. Therefore, the LS was revised in **T2-030364** replacing CN5 by CN4.*

T2-030315 contains an LS to RAN3 on Clarification on "Restriction of Service Area List". Ian Harris will liaise informally with the author of the RAN3 LS Philippe Godin in order for T2 to prepare a formal response to the actions requested by RAN3. The LS was agreed.

T2-030316 contains an LS to SA1, SA2, CN1, OMA-MAG-Push, cc OMA-MAG, CN4 on SMS/MMS Interworking from WLANs. The LS was agreed.

T2-030318 contains an LS to SA1, CN4, OMA MAG, OMA IMPS, OMA REQ, cc SA2, SA, T on terminal MMS capability discovery prior MM notification. It was suggested to delete the reference to proprietary implementations from the LS. This was agreed. The LS was revised in **T2-030360** with the related sentence deleted. The LS was agreed. The SWG2 chairman raised his concerns about approving LSs in advance to

the closing plenary in a rush during the week, and that in the past LSs got changed again after SWG2 approved them.

T2-030324 contains an LS to CN4 on SMS operation over GPRS. T2 asks CN4 to update TS 29.002 for R99 and REL-4 releases to reflect the changes to TS 23.040 defined above, and to update TS 29.002 for REL-5 and REL-6 releases to add a reference to TS 23.040. The LS was agreed.

T2-030335 contains an LS to SA2, cc SA1, CN1 on MMS and IMS Messaging. The LS was agreed during the week and sent out to SA2.

T2-030358 contains an LS to OMA MAG, OMA MAG MMSG cc OMA MAG Download on support for DRM in MMS. T2 kindly asks OMA MAG and OMA MAG MMSG to implement the required changes to UAProf. The LS was agreed.

4 Future meeting schedule

T2-030210 contains the lists of future T2 meetings. Some updates were done and the latest version of the future meeting table can be found below:

Meeting	Date	Location	Host
T#20	4–6 Jun 2003	Hämeenlinna, Finland	Nokia
SWG2#05 GUP	June 23–26, 2003	Portland, Oregon, USA	Sharp
T2#22	25–29 Aug 2003	Cambridge	TTPCOM
T#21	17–19 Sep 2003	Germany	Siemens
SWG2#06 GUP tbc	October 6-9, 2003	New Orleans, LA, USA tbc	
SWG2 JM with SA5 on GUP, SuM tbc	October 9th	New Orleans, LA, USA tbc	
T2#23	17–21 Nov 2003	US	North American Friends of 3GPP
T#22	10–12 Dec 2003	Hawaii, US	North American Friends of 3GPP

For the complete 3GPP on-line meeting calendar see <http://www.3gpp.org>. It was available at this meeting in **T2-030204**.

Companies were invited to consider hosting future T2 meetings.

5 Any Other Business

The T2 chairman announced the SWG chairmanship appointments which will take place at the next meeting. The post of SWG1 chairman will not be reassigned.

T2-030356 is the result of the SWG's reviews of the T2 activities. Several small additions were proposed to give a complete picture. The SWG2 chairman clarified that he is not aware the OMA is doing work on GUP. The document will be revised and completed by the T2 secretary to include the comments made in **T2-030363** and it was agreed to send it to TSG-T for information.

T2-030209 is the document on 3GPP and OMA work item dependencies. During the TSG SA #19 meeting in Birmingham it was proposed that a study was undertaken to identify work underway in 3GPP which is related

to work in OMA, in order that SA can decide on what additional co-ordination mechanisms (if any) are required with OMA work. It was agreed to forward the document to SA (via Kevin HOLLEY).

Future work: Discussion are ongoing on including some work on WLAN in T2. Additionally, the need was expressed to continue having a group in future focussing on terminal issues. Terminal aspects of IMS have also to be addressed.

The T2 chairman reported that this was Ville WARSTA's (Nokia) last meeting since he is going to do his military service. He has been participating in T2 and actively contributing to the MMS work during several years. He thanked Ville for all the excellent work done and in the name of T2 he wished him all the best for his future.

6 Close of the Meeting

T2 chairman Ian HARRIS thanked all delegates and the subgroup chairmen for their contributions and work at this meeting. He thanked the North America of 3GPP for hosting the meeting and for providing the excellent facilities. He expressed his special thanks to Shannon and Patti from the SK group, and to the T2 secretary.

Annex A List of all temporary documents

TDOC	Subject	Source	SWG
T2-030200	Draft Meeting Report T2#20, 20-24 January 2003, San Francisco	T2 secretary	OP
T2-030201	Draft Agenda T2#21, San Diego	T2 chairman	OP
T2-030202	IPR guidance	MCC	OP
T2-030203	T2 specs status list	MCC	OP
T2-030204	3GPP meeting calendar	MCC	CP
T2-030205	Summary of T#19 and SA#19 issues of T2 interest	T2 secretary	OP
T2-030206	Draft Report of TSG-T meeting #19, Birmingham	T secretary	OP
T2-030207	Draft Report of TSG SA meeting #19, Birmingham	SA secretary	OP
T2-030208	3GPP work plan	MCC	OP
T2-030209	3GPP and OMA work item dependencies	T2	OP
T2-030210	T2 future meetings (will be produced after the end of the SWG sessions)	T2 secretary	CP
T2-030211	LS from SA2 on GUP Information Model, Discussion paper	S2-030441	SWG2
T2-030212	LS from OMA-REQ on User Equipment Management	OMA-REQ-2003-0130-3GPP-S5-LS	SWG2
T2-030213	LS from RAN2 on Cell Broadcast Download data parameters	R2-030621	SWG3
T2-030214	LS from RAN3 on Clarification on "Restriction of Service Area List"	R3-030353	SWG3
T2-030215	LS from T3 on Having a Single USIM to Authenticate Multiple Devices Simultaneously Using Local Wireless Link	T3-030112	SWG2
T2-030216	LS from T3 on the BIP / Consistency of TS 31.111 with TS 27.007	T3-030141	SWG2
T2-030217	LS from T3 on Cell Broadcast Download data parameters	T3-030143	SWG3
T2-030218	LS from OMA IOP WG to T1 cc T, T2 on common test specifications for applications and services	OMA-TP-2002-0133-resp to 3GPP T1	SWG3
T2-030219	LS from SA5 to T2 cc GSMA BARG CPWP, SA, T on Alignment of MMS Message Size definition	S5-034160	SWG3
T2-030220	LS from SA5 to OMA Requirements Group cc SA, SA3, T, T2, T3 on OMA Device Management Requirements document	S5-032133	SWG2
T2-030221	LS from SA2 on T2 GUP Co-ordination Progress Report to SA2	S2-031000	SWG2
T2-030222	LS from SA3 on Study of UE Functionality Split Security Issues for Release 6	S3-030165	SWG2
T2-030223	LS from ETSI AT-F - Proposal for Interconnection between a FSMSC and SMSCs/FSMSCs in other networks	ETSI/AT(03)TD16R00	SWG3
T2-030224	LS from ETSI TC AT-Features on MMS for PSTN/ISDN	ETSI / AT-F TD18 (SP-030167)	SWG3
T2-030225	LS from SA2 on DRX parameter	S2-030958	OP
T2-030226	LS from SA2 on GUP Interworking with Device Management	S2-031006	SWG2
T2-030227	LS from SA3 on GUP requirements- UE Data access and Backwards	S3-030155	SWG2
T2-030228	LS from CN1 on DRX parameters update	N1-030567	OP
T2-030229	LS from GERAN on DRX parameter	GP-030913	OP
T2-030230	LS from RAN3 on DRX parameter	R3-030535	OP
T2-030231	LS from SA1 on SMS/MMS Interworking from WLANs	S1-030535	SWG3
T2-030232	LS from SA1 on GSMA CPWP proposed additional charging requirement to be added in TS 22.115	S1-030492	SWG3
T2-030233	LS from SA1 on Cell Broadcast Download data parameters	S1-030463	SWG3
T2-030234	LS from SA1 on MMS in SIM Card	S1-030544	SWG3
T2-030235	LS from SA1 on terminal MMS capability discovery prior MM notification	S1-030555	SWG3
T2-030236	LS from SA2 on impacts on the UE of UE-Initiated Tunnelling	S2-031569	SWG3
T2-030237	LS from SA5 on sending the SGSN's MNC and MCC to the GGSN and service nodes	S5-034249	SWG3
T2-030238	LS from SA5 on Roaming Awareness	S5-034256	SWG3
T2-030239	T2 activities	Ericsson, Motorola, Nokia,	OP

		Siemens	
T2-030240	SWG2 agenda at T2#21	SWG2 Chair	SWG2
T2-030241	SWG2 draft report at T2#21	NTT DoCoMo	SWG2
T2-030242	Meeting Report SWG2_04 BERLIN, T2C-030022	SWG2-04 Chair	SWG2
T2-030243	T2C-030035, 23.241 Updates - References, definitions, general description	SWG2_04 Output	SWG2
T2-030244	T2C-030036, 23.241 Draft of Section 5	SWG2_04 Output	SWG2
T2-030245	T2C-030037, 23.241 Updates - Data Description Method	SWG2_04 Output	SWG2
T2-030246	23.241 v0.3.5 with SWG2_04 outputs	Rapporteur	SWG2
T2-030247	Meeting Report UEM-JM BERLIN, S5-033202	SWG2 Chair	SWG2
T2-030248	22.240v600	SWG2 Chair	SWG2
T2-030249	23.240v100	SWG2 Chair	SWG2
T2-030250	Introduction of GUP Server in the network architecture (CR to 23.002, Rel6)	S2-031375Nokia	SWG2
T2-030251	GUP for IMS Subscription Management (CR to 23.228, Rel6)	S2-031376 Nokia	SWG2
T2-030252	Rp procedure description enhancements for GUP (23.240, Rel6)	S2-031377 Nokia	SWG2
T2-030253	Synchronisation in GUP (23.240, Rel6)	S2-031378 Nokia	SWG2
T2-030254	Enhancements of the GUP Information Model (23.240, Rel6)	S2-031379 Nokia	SWG2
T2-030255	Enhancements to the descriptions of GUP functional entities (23.240, Rel6)	S2-031447 Nokia	SWG2
T2-030256	Continuation of DDM specification work.	Nokia	SWG2
T2-030257	Further contents for chapter 7.4.	Nokia	SWG2
T2-030258	proposed changes to Section 5, 23.241v035	Sharp	SWG2
T2-030259	CR 27.007 Rel-6: Correction of references	Ericsson	SWG2
T2-030260	Structure of GUP DDM Specification (TS 23.241)	Nokia	SWG2
T2-030261	disc of 0221 and UE aspects of the GUP architecture	Siemens	SWG2
T2-030262	SA5 SuM-GUP Conference call Report	SWG2 Chair	SWG2
T2-030263	LS to S3 cc S2 on UE security aspects of the GUP architecture	H. Thuvesson	SWG2
T2-030264	Further contents for chapter 7.4.	Nokia	SWG2
T2-030265	SWG2 Table of 3GPP-OMA Overlap Items	SWG2 Chair	SWG2
T2-030266	Proposed change to 5.4.2.4 of 23.241	Ericsson Soren	SWG2
T2-030267	LS to T3 about the +CGQREQ AT command use in TS 31.111	Ericsson Soren	SWG2
T2-030268	not used		SWG2
T2-030269	not used		SWG2
T2-030270	not used		SWG2
T2-030271	not used		SWG2
T2-030272	not used		SWG2
T2-030273	not used		SWG2
T2-030274	not used		SWG2
T2-030275	not used		SWG2
T2-030276	not used		SWG2
T2-030277	not used		SWG2
T2-030278	not used		SWG2
T2-030279	not used		SWG2
T2-030280	agenda SWG3 Messaging at T2#21	SWG3 Chair	SWG3
T2-030281	draft report of SWG3 Messaging at T2#21		SWG3
T2-030282	CR on 23.040 rel-5 SMS operation over GPRS	Ericsson	SWG3
T2-030283	CR on 23.040 rel-6 SMS operation over GPRS	Ericsson	SWG3
T2-030284	CR 23.040: Reserved values in TP-Status	Siemens	SWG3
T2-030285	MMS and IMS Messaging	Openwave	SWG3
T2-030286	CR 23.140 REL-4 Updating WAP references to OMA references	Siemens	SWG3
T2-030287	CR 23.140 REL-5 Updating WAP references to OMA references	Siemens	SWG3
T2-030288	CR 23.140 REL-6 Updating WAP references to OMA references	Siemens	SWG3
T2-030289	CR 23.140 REL-6 Support for DRM in MMS	Siemens	SWG3
T2-030290	CR 23.140 REL-6 Other the air provisioning in MMS	Siemens	SWG3
T2-030291	CR 23.140 REL-6 Adding status value "unreachable" to delivery	Siemens	SWG3

	reports		
T2-030292	MMS Harmonization Presentation	Openwave	SWG3
T2-030293	Extending MM7 Connectivity Beyond a Single MMS Environment	Ericsson	SWG3
T2-030294	Charged Party ID	Ericsson, CMCC	SWG3
T2-030295	CR 23.140 Rel-6: Charged Party ID	Ericsson, CMCC	SWG3
T2-030296	Extension of MM4 interface for delivery report	Ericsson, CMCC	SWG3
T2-030297	CR 23.140 Rel-6: Extension of MM4 interface for delivery report	Ericsson, CMCC	SWG3
T2-030298	CR 23.140 Rel-6: Inaccuracies in Annexex I & K	Ericsson	SWG3
T2-030299	CR 23.140 REL-6 Addition of IEs that currently exist in MM1/MM4 but not in MM7	Nokia	SWG3
T2-030300	CR 23.140 REL-6 Addition of information regarding encrypted or obfuscated address in MM7	Nokia	SWG3
T2-030301	CR 23.140 REL-6 Addition of IMSI information to MM7 reference point	Nokia	SWG3
T2-030302	CR 23.140 REL-6 Addition of Service Provider Identification to the MM7 reference point	Nokia	SWG3
T2-030303	CR 23.140 REL-6 Addition of Service Code for MM7_delivery.REQ	Nokia	SWG3
T2-030304	Expansion of the X-Mms-MM-Status-Code "reject", in the MM4_Delivery_report.REQ	Ericsson	SWG3
T2-030305	CR 23.140 Rel-6: Expansion of the X-Mms-MM-Status-Code "reject", in the MM4_Delivery_report.REQ	Ericsson, CMCC	SWG3
T2-030306	CR 23.140 REL-6 Addition of User Agent Profile information to MM7_deliver.REQ	Nokia	SWG3
T2-030307	CR 23.140 Rel-6: Clarification of the definition of message size	LogicaCMG	SWG3
T2-030308	proposed revised MMS Enhancements WID (Rel-6)	T-Mobile, Vodafone, AWS, Telefonica, TIM	SWG3
T2-030309	MMS Rel-6 WID supporting companies	T2 chairman	SWG3
T2-030310	revised draft agenda SWG3	SWG3 chairman	SWG3
T2-030311	MMS Rel-6 WID supporting companies	SWG3 Chair	SWG3
T2-030312	Revised MMS Rel-6 WID	SWG3	SWG3
T2-030313	MMS Rel-6 WID supporting companies	SWG3 Chair	SWG3
T2-030314	LS to ETSI AT-F cc CN5 on Proposal for Interconnection between a FSMSC and SMSCs/FSMSCs in other networks	rapporteur of 23040	SWG3
T2-030315	LS to RAN3 on Clarification on "Restriction of Service Area List"	rapporteur of 23041	SWG3
T2-030316	LS to SA1, SA2, CN1, OMA-MAG-Push, cc OMA-MAG, OMA MAG MMSG, CN4 on SMS/MMS Interworking from WLANs	Nokia	SWG3
T2-030317	withdrawn	withdrawn	SWG3
T2-030318	reply-LS to SA1, CN4, OMA MAG, OMA IMPS, OMA REQ, cc SA2, SA, T on terminal MMS capability discovery prior MM notification	Nokia	SWG3
T2-030319	MMS prepaid solution	Huawei	SWG3
T2-030320	CR on 23.040 R'99 SMS operation over GPRS	Ericsson	SWG3
T2-030321	CR on 23.040 rel-4 SMS operation over GPRS	Ericsson	SWG3
T2-030322	CR on 23.040 rel-5 SMS operation over GPRS	Ericsson	SWG3
T2-030323	CR on 23.040 rel-6 SMS operation over GPRS	Ericsson	SWG3
T2-030324	LS to CN4 on SMS operation over GPRS	Ericsson	SWG3
T2-030325	CR 23.140 REL-4 Updating WAP references to OMA references	Siemens	SWG3
T2-030326	CR 23.140 REL-5 Updating WAP references to OMA references	Siemens	SWG3
T2-030327	CR 23.140 REL-6 Updating WAP references to OMA references	Siemens	SWG3
T2-030328	withdrawn	withdrawn	SWG3
T2-030329	CR 23.140 REL-6 Support for DRM in MMS	Siemens	SWG3
T2-030330	Candidature of Ian Harris for T2 chairmanship	RIM	OP
T2-030331	Candidature of Paul Voskar for T2 vice-chairmanship	Nokia	OP
T2-030332	LS from GSMA BARG on roaming awareness	BARG Doc 087/03	SWG3
T2-030333	LS from SA3 on impacts on the UE of UE-Initiated Tunnelling	S3-030298	SWG2
T2-030334	3GPP TSG-T2 and 3GPP2 TSG-X MMS Ad hoc Joint Discussions – May 13, 2003		SWG3
T2-030335	LS to SA2, cc SA1, CN1 on MMS and IMS Messaging	Openwave	SWG3

T2-030336	CR 23.140 Rel-6: Extension of MM4 interface for delivery report	Ericsson	SWG3
T2-030337	CR 23.140 Rel-6: Extension of the X-Mms-MM-Status-Code "reject", in the MM4_Delivery_report.REQ	Ericsson	SWG3
T2-030338	CR 23.140 REL-6 Addition of IEs that currently exist in MM1/MM4 but not in MM7	Nokia	SWG3
T2-030339	CR 23.140 REL-6 Over the air provisioning in MMS	Siemens	SWG3
T2-030340	CR 23.140 REL-6 Addition of information regarding encrypted or obfuscated address in MM7	Nokia	SWG3
T2-030341	CR 23.140 REL-6 Addition of SPI to MM7 reference point	Nokia	SWG3
T2-030342	MMS Standards Reference	Openwave	SWG3
T2-030343	withdrawn	withdrawn	SWG3
T2-030344	CR 23.140 Rel-6: Charged Party ID	Ericsson	SWG3
T2-030345	SWG3 conclusions on interoperability issues with 3GPP2	SWG3 Chair	SWG3
T2-030346	T2 SWG3 activities	SWG3	SWG3
T2-030347	CR 23.140 REL-6 correction of RFC 2821 reference	MCC	SWG3
T2-030348	CR 23.140 REL-4 correction of RFC 2821 reference	MCC	SWG3
T2-030349	CR 23.140 REL-5 correction of RFC 2821 reference	MCC	SWG3
T2-030350	not used		SWG3
T2-030351	not used		SWG3
T2-030352	not used		SWG3
T2-030353	not used		SWG3
T2-030354	not used		SWG3
T2-030355	LS from SA5 on usage of GUP reference points	S5-032227r5	SWG2
T2-030356	T2 activities	T2	CP
T2-030357	CR 23.140 REL-6 Support for DRM in MMS	Siemens	CP
T2-030358	LS to OMA MAG, OMA MAG MMSG cc OMA MAG Download on support for DRM in MMS	SWG3	CP
T2-030359	TS 23.241 v0.4.0	rapporteur	CP
T2-030360	LS to SA1, CN4, OMA MAG, OMA IMPS, OMA REQ, cc SA2, SA, T on terminal MMS capability discovery prior MM notification	SWG3	CP
T2-030361	revised WID MMS Enhancements	SWG3	CP
T2-030362	revised SWG3 meetings report	SWG3	CP
T2-030363	T2 activities	T2	CP
T2-030364	LS to ETSI AT-F cc CN4 on Proposal for Interconnection between a FSMSC and SMSCs/FSMSCs in other networks	rapporteur of 23040	SWG3

Annex B Outgoing Documents

B.1 Change Requests submitted to TSG-T#20

The following CRs will be submitted to TSG-T#20 for approval:

"Terminal Interfaces and Capabilities" Change Requests

Spec	CR	Rev	Rel	Subject	Cat	Version -Current	Version -New	T2 Tdoc	Workitem
27.007	110	-	Rel-6	Correction of references	F	6.2.0	6.3.0	T2-030259	TEI6

"SMS" Change Requests

Spec	CR	Rev	Rel	Subject	Cat	Version -Current	Version -New	T2 Tdoc	Workitem
23.040	063	-	Rel-6	Reserved values in TP-Status	F	6.0.1	6.1.0	T2-030284	TEI6
23.040	064	-	R99	Missing SMSs over MSC even if the MS is capable of such sending	F	3.9.0	3.10.0	T2-030320	TEI
23.040	065	-	Rel-4	Missing SMSs over MSC even if the MS is capable of such sending	A	4.7.0	4.8.0	T2-030321	TEI4
23.040	066	-	Rel-4	Missing SMSs over MSC even if the MS is capable of such sending	A	5.5.1	5.6.0	T2-030322	TEI5
23.040	067	-	Rel-6	Missing SMSs over MSC even if the MS is capable of such sending	A	6.0.1	6.1.0	T2-030323	TEI6

"MMS" Change Requests

Spec	CR	Rev	Rel	Subject	Cat	Version -Current	Version -New	T2 Tdoc	Workitem
23.140	117	-	Rel-4	Updating references	F	4.9.0	4.10.0	T2-030325	MMS
23.140	118	-	Rel-5	Updating references	A	5.6.0	5.7.0	T2-030326	MESS5-MMS
23.140	119	-	Rel-6	Updating references	A	6.1.0	6.2.0	T2-030327	MMS6
23.140	120	-	Rel-6	Support for DRM in MMS	B	6.1.0	6.2.0	T2-030357	MMS6
23.140	121	-	Rel-6	Extension of the X-Mms-MM-Status-Code "reject", in the MM4_Delivery_report.REQ (CR)	B	6.1.0	6.2.0	T2-030337	MMS6
23.140	122	-	Rel-6	Addition of IEs that currently exist in MM1/MM4 but not in MM7	B	6.1.0	6.2.0	T2-030338	MMS6
23.140	123	-	Rel-6	Over the air provisioning in MMS	B	6.1.0	6.2.0	T2-030339	MMS6
23.140	124	-	Rel-6	Addition of information regarding encrypted or obfuscated address in MM7	B	6.1.0	6.2.0	T2-030340	MMS6
23.140	125	-	Rel-6	Addition of Service Provider Identification to the MM7 reference point	B	6.1.0	6.2.0	T2-030341	MMS6
23.140	126	-	Rel-6	Charged Party ID	B	6.1.0	6.2.0	T2-030344	MMS
23.140	127	-	Rel-6	Correction of RFC 2821 reference	A	6.1.0	6.2.0	T2-030347	MMS6
23.140	128	-	Rel-4	Correction of RFC 2821 reference	F	4.9.0	4.10.0	T2-030348	MMS
23.140	129	-	Rel-5	Correction of RFC 2821 reference	A	5.6.0	5.7.0	T2-030349	MESS5-MMS

B.2 Outgoing Liaison Statements

The following LSs were sent from T2#21:

TDOC	Subject	SWG	Comments
T2-030263	LS to S3 cc S2 on UE security aspects of the GUP architecture	SWG2	sent 16/05/2003
T2-030267	LS to T3 about the +CGQREQ AT command use in TS 31.111	SWG2	sent 16/05/2003

T2-030364	LS to ETSI AT-F cc CN4 on Proposal for Interconnection between a FSMSC and SMSCs/FSMSCs in other networks	SWG3	sent 26/05/2003
T2-030315	LS to RAN3 on Clarification on "Restriction of Service Area List"	SWG3	sent 16/05/2003
T2-030316	LS to SA1, SA2, CN1, OMA-MAG-Push, cc OMA-MAG, OMA MAG MMSG, CN4 on SMS/MMS Interworking from WLANs	SWG3	sent 16/05/2003
T2-030324	LS to CN4 on SMS operation over GPRS	SWG3	ent 16/05/2003
T2-030335	LS to SA2, cc SA1, CN1 on MMS and IMS Messaging	SWG3	sent 15/05/2003
T2-030358	LS to OMA MAG, OMA MAG MMSG cc OMA MAG Download on support for DRM in MMS	SWG3	sent 16/05/2003
T2-030360	LS to SA1, CN4, OMA MAG, OMA IMPS, OMA REQ, cc SA2, SA, T on terminal MMS capability discovery prior MM notification	SWG3	sent 16/05/2003

B.3 Reports/Specifications submitted to TSG-T#20

None.

B.4 Work Items submitted to TSG-T#20

The following revised WID will be submitted to TSG-T#20 for approval:

T2-030361	revised WID MMS Enhancements
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Annex C: List of Participants

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Total number of delegates: 34

Annex D: Report from SWG2 UE Interfaces and Capabilities

3GPP TSG-T2 SWG2#21
San Diego, California
12-15 May 2003

T2-030241

Agenda Item: T2 Closing Plenary

Source: SWG2 Chairman

Title: Report of SWG2#20 San Diego Meeting

Document for: Approval

ES Executive Summary

Topics discussed at this meeting included, Generic User Profiles, User Equipment Management AT Commands, WLAN Functions, various Liaison Statements and other logistics for future meetings, joint meetings, and meeting procedures.

General:

The meeting was opened by Mr. Prem Sood on 02.20 pm, 12th May 2003, and the delegates were welcomed to this meeting.

Robert Moton of Cingular Wireless, Soren Christensen of Ericsson, Henrik Thuvesson of TeliaSonera, and Kurt Bischinger of T-Mobil volunteered to share the secretary duties for the meeting.

The proposed Agenda of the meeting in Draft3 of T2-030240 was approved.

One SWG2_04 meeting dedicated to GUP work was held April 7th-9th, BERLIN, co-located with SA5. The Report is T2-030242.

One Joint Meeting with SA5 was held April 10th, BERLIN, co-located with SA5. The Report is T2-030247.

Future Meetings:

The following Future Meetings were approved by SWG2 –

Meeting	Date	Venue	Comment
SWG2_05 GUP	June 23–26, 2003	Portland, Oregon, USA	Confirmed
SWG2_06 GUP	October 6-9, 2003	New Orleans, LA, USA	TBC
JM with SA5 on GUP, SuM	October 9th	New Orleans, LA, USA	TBC – SA5

AT Commands –

1 CR proposal on the AT-Commands (27.007) was approved for presentation to T2 for Approval (T2-030259).

Generic User Profiles –

Presentations on the status of work for Generic User Profiles were discussed. A number of incoming LS's and docs were reviewed.

The outputs of SGW2_04 were all approved, and 23.241v0.3.5 was approved as the baseline.

A number of changes to the baseline were approved for adding to the next version of 23.241 which will be v0.4.0.

1 outgoing LS T2-030263 was approved and is presented to T2 for Approval.

Subscriber Management and UE Management–

The results and Report of the JM with SA5 was approved. A number of incoming LS's and docs were reviewed.

WLAN Interworking -

A number of incoming LS's and docs were reviewed.

Other Items Executive Summary from SWG2 meeting :

T2-030265 contains the Overlap table requested by T2.

Output Change Requests:

TDoc	Title	Source	Comment
T2-030259	CR 27.007 Rel-6: Correction of references		

Output Liaison Statements:

TDoc	Title	Source	Comment
T2-030263	LS to S3 cc S2 on Security item in T2-030221		
T2-030267	Response to 216 T3 LS on CGQREQ		

Other documents for T2 Approval

TDoc No.	Title	Source	Status
T2-030241	SWG2 draft report at T2#21		
T2-030265	SWG2 Table of 3GPP-OMA Overlap Items		

ES Detailed Report

1. Opening of the meeting

The Chair of SWG2, Mr. Prem Sood, Sharp, opened the meeting at 02.20 pm on Monday, May 12th, 2003.

The Chair welcomed everyone to San Diego, California, USA and thanked North American Friends of 3GPP for hosting the meeting.

Robert Moton of Cingular Wireless, Soren Christensen of Ericsson, Henrik Thuvesson of TeliaSonera, and Kurt Bischinger of T-Mobil volunteered to share the secretary duties for the meeting.

There were 9 delegates present at the opening of the meeting. More delegates joined on following days.

The Meeting closed at 16.05 pm on Thursday May 15.

1.1. Approval of the proposed Agenda

Document – T2-030240

TDoc No.	Title	Source	Status
T2-030240	Draft 3 SWG2 meeting agenda	SWG2 Chair	Approved

Presented by –

Chairman.

Resolution –

No comments were made concerning the agenda, items, or documents. The agenda was approved. Addition of 216, and 262 (minutes of conf. Call)

1.2. Co-Located Joint and Dedicated Meetings Schedule

No joint and/or dedicated meetings scheduled this week.

1.3. Future Joint and Dedicated Meetings Schedule

Meeting	Date	Venue	Comment
SWG2_05 GUP	June 23–26, 2003	Portland, Oregon, USA	Confirmed
SWG2_06 GUP	October 6-9, 2003	New Orleans, LA, USA	TBC
JM with SA5 on GUP, SuM	October 9th	New Orleans, LA, USA	TBC – SA5

1.4. Review of previous Action Points

Tdoc Draft1 T2-030241

AP Description	Assigned to	Due	Status & Comments
15.2 - to review Specs 22.240, 23.240 related to Generic User Profiles.	All SWG2	Recurring	See below
16.4 – Draft a paper to address the architecture solution for MMS UICC portability and circulate on Reflector	I. Leuca	End of Feb.	Closed- Expired
18.2 A rapporteur is required for the TR on UEM GAP analysis	All	Due T2#19	CLOSED – See T2-030247, not required by SA5
18.5 Venson Shaw to check the AP 16.4	V. Shaw	ASAP	Closed-Expired
19.1 Members asked to review GUP use cases, as presented in T2-020908 & ‘909.	All SWG2	Opened	Closed - Expired
19.3 Look at T2-020915 GPRS/CS attributes, review for completeness and bring input to the next T2 meeting. How to capture and store the information, as well as keep up to date. How will this be used to validate the GUP design. Define the process in details	All SWG2	Opened	Pending to #21. All SWG2 requested. B Marchent will examine
19.4 Telia to continue maintaining document on Use cases for GUP T2-020908, 909	Telia, H. Thuveesson		Closed.
20.1 Organize and lead discussions on definitions	Randal Grund	Next meeting and reflector	Closed - Expired

20.2 Review T2-030035 and send feedback and/or comments to Siemens	All SWG2	Next meeting	Closed-Expired
20.3 : SWG2 members recommend that T2-030119 be presented at TSG-T	Siemens	March	Closed - Expired
20.4 SWG2 Chairman to coordinate with SA5 for the meeting in Berlin the week of April 7-10	SWG2 Chairman	April	CLOSED – Meetings Held.
<u>4B-01</u> - prepare inputs for discussion LS T2-030221 from SA2 on GUP Progress Report comments a-f.	Kay Kittel	May SWG2	Closed-completed
<u>4B-02</u> - review this LS T2-030221 for the May discussion, and come prepared to discuss to arrive at a consensus.	All Members	May SWG2	Closed-expires at this meeting
<u>4B-03</u> - Request comments on the Reflectors and be ready to finalize at the May SWG2 meeting – T2C-030023, clause 4, “global elements only”.	All Members	May SWG2	Closed – discussed at SWG2#21

Action 15.2 is a recurring action, i.e. there is no due date. The Action is for all members to review TS 22.240 and 23.240 on an ongoing basis.

1.5. Appointment of Rapporteurs

For 27.007 Ericsson has kindly volunteered Mr. Soren Christensen. The Chairman expressed his great appreciation to Ericsson and Mr. Christensen, and also on behalf of the SWG2 Members.

The chairman proposed that rapporteurs were needed in two additional areas: 1) 23.241, 2) 23.227

The chairman made the call for volunteers. The chair highlighted the critical need for a rapporteur for 23.241. Group will revisit this issue later in the week. No volunteers at this time. Chair also pointed out that 23.227 needs a Rapporteur.

Appointment for 23.241: Mr. Kurt Bischinger, T-Mobile International volunteered, Henrik Thuvesson, TeliaSonera offered help for the transition period. The Chairman expressed his appreciation.

2 Items for immediate discussion.

Tdocs 236, 221, 261, 248, 249

Document – T2-030236

TDoc No.	Title	Source	Status
T2-030236	LS on impacts on the UE of UE-Initiated Tunneling	SA2	Discussed

Presented by –

Paul Voskar (Nokia)

Discussion –

Paul (Nokia) Does the group understand the use of the word Tunneling? T2 has not been involved with WLAN enough to comment on impacts? T2 should not comment on such Security issues. (Prem) Similar comment. Mark () indicated that SA2 meant dual mode devices. (Nokia) indicated it would be beneficial to get into this area (WLAN) now. T2 should involve T3 in discussions in case of impacts.

Resolution –

The document was discussed. Chairman to take action item to discuss with SA2 to possibly give a presentation and clarity to T2. Group will come back to 236.

Document – T2-030221

TDoc No.	Title	Source	Status
T2-030221	LS on T2 GUP Co-ordination Progress Report to SA2	SA2	See below

Presented by –

Paul (Nokia)

Discussion –

SWG2 originally discussed this in Berlin. Doc 261 was read (Discussion of LS T2-030221 on UE GUP aspects) which Siemens created. (Prem) Does T2 need to respond back to SA2. (Prem) indicated that 261 could at a minimum form the basis for more internal discussions Doc. 035 was sent out in January of 2003, which was intended to educate SA2. (Prem) concerning Doc. 261 raised a number of issues concerning questions presented by SA2. Is SyncML just an implementation? (Ian Harris) raised issue on 261 as to the source (personal versus Siemens). Prem – all contributions are explicitly company contributions. Ian would like Prem to phone author of 261 to indicate that it is a company document.

Resolution –

The document was discussed. Attendees would like to check with their respective companies to determine whether this document should be sent in current state. (Prem) - Probably will not reach consensus at this meeting.

3.1 SWG2 Ongoing Work on GUP, DDM, CO

Tdocs 242, 246, 243, 244, 245, 211, 221, 261, 256, 260, 258, 257, 226, 227, 248, 249, 250, 251, 252, 253, 254, 255, 264, 266, 267, 263

Document – T2-030242

TDoc No.	Title	Source	Status
T2-030242	Report of SWG2_04 Meeting	SWG2_04 Chair	Approved

Presented by –

Prem Sood, presented at T2 also.

Discussion –

No questions or comments on the report.

Resolution –

The document was approved.

Document – T2-030246

TDoc No.	Title	Source	Status
T2-030246	23.241 v0.3.5 with SWG2_04 Outputs	Rapporteurs	Approved

Presented by –

Prem Sood

Discussion –

There was a question concerning the existence of intermediate profiles. Chair pointed out the profile structure for clarification.

Resolution –

The document was approved as a new development base line.

Document – T2-030243

TDoc No.	Title	Source	Status
T2-030243	TS.23.241 updates of references, definitions, general descriptions	Rapporteurs	Approved

Presented by –

Prem Sood

Discussion –

No discussion.

Resolution –

The document was approved.

Document – T2-030244

TDoc No.	Title	Source	Status
T2-030244	T2C-0300037, 23.241 Draft of Section 5	Rapporteurs	Approved

Presented by –

Prem Sood

Discussion –

No discussion.

Resolution –

The document was approved

Document – T2-030245

TDoc No.	Title	Source	Status
T2-030245	T2C-030037, 23.241 Updates-Data Description Method	Rapporteurs	Approved

Presented by –

Prem Sood

Discussion –

No discussion.

Resolution –

The document was approved.

Document – T2-030211

TDoc No.	Title	Source	Status
T2-030211	LS on GUP Information Model, Discussion paper	SA2	Noted

Presented by –

Prem Sood

Discussion –

No discussion.

Resolution –

The document was noted.

Document – T2-030221

TDoc No.	Title	Source	Status
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T2-030221	Ls on T2 GUP Co-ordination Progress Report to SA2	SA2	noted
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Presented by –

Paul (Nokia)

Discussion –

Document 221 is related to 261. Document 261 was read again for the benefit of those not present on Monday and because of its relationship to 221. There were 3 main areas of concern

1. What method for sync on Rp interface – SyncML or other. If SyncML, can DTD and Schema technology be mixed and does it make sense to use Schema technology if DTD's will be used for sync.
2. The extent of standardization - Should items below the RAF function be standardized, i.e treat UE as a black box, or is it required to make visible the UE internal blocks.
3. Security for the Rp interface. Need to send an LS to SA3.

Resolution –

The document was noted.

21.1 – All companies to develop company positions and discuss on the Reflector, and bring input docs to August T2. Henrik to draft LS to SA3 - 263.

Document – T2-030261

TDoc No.	Title	Source	Status
T2-030261	discussion of 0221 and UE aspects of the GUP architecture	Siemens	noted

Presented by –

Prem Sood

Discussion –

See T2-030221

Resolution –

The document was noted see 221 for AP's

Document – T2-030256

TDoc No.	Title	Source	Status
T2-030256	Continuation of DDM specification work.	Nokia	SWG2 noted

Presented by –

Paul (Nokia)

Discussion –

Intention is to bring GUP to manageable level for Rel 6.

Note this doc has been withdrawn and replaced by T2-030260

Resolution –

The document was noted, briefly presented and has been superseded by 260.

Document – T2-030260

TDoc No.	Title	Source	Status
T2-030260	Structure of GUP DDM Specification (TS 23.241)	Nokia	SWG2 Noted

Presented by –

Paul (Nokia)

Discussion –

This contribution proposes a new structure for the DDM document. The proposal is thus that the existing subclause 7 of the DtDM will be replaced by the guidelines, and the XML examples of datatype definitions are moved to the Annex etc.

Resolution –

SWG2 supports that restrictions could be defined as part of the guidelines.

It may be beneficial to move large example to the annex for example example 7.2.

SWG2 agreed that information model should not go in sec. 5 of 23.241. However. Sec 5 should contain a structure prose description. There is a new contribution in 258 for this.

Document – T2-030258

TDoc No.	Title	Source	Status
T2-030258	Proposed Changes to Section 5 of 23.241	Sharp	Agreed

Presented by –

Paul Voskar presented the cover page and Prem Sood presented the changes to Section 5 with/without change bars.

Discussion –

Any useful information from the information model has been captured to TS23.241 in a structured way. Now, need chapter 5 be re-checked but the main work is done.

The relationship between figures in 5.4 is not described and 5.3.2-1 needs to be updated.

Try to describe the information flow in a logical view. Since purpose shall explain relevant parts of the GUP information model which are relevant to Profiles and Profile Components. Section 5, describe Structure of Profiles.

Arte asked about what is the Primary Profile Id definition?

Paul Voskar asked in 5.4.2.4 if not USIM and ISIM should be added.

On Wed. May 14, Ericsson provided some additional inputs, which will be captured in Doc. 266.

Resolution –

The document was agreed.

Document – T2-030257

TDoc No.	Title	Source	Status
T2-0300257	Further contents for chapter 7.4	Nokia	Modified in 264

Presented by –

Paul Voskar. The document was presented before in Ad hoc meeting in Berlin.

Discussion –

The document TS23.241 contains the clause 7.4 for Datatype Definition Guidelines. In this contribution Nokia proposes contents for the clause 7.4.

The guidelines proposed include

- a) rules for representing GUP data elements in XML
- b) naming conventions
- c) use of global elements instead of local elements

The controversial part is if all elements shall be defined as global elements. When all elements are declared globally, it is not possible to take advantage of local names. Will it be a unique namespace for every application, like MMS? Will this limit the scope? How far do we have control of the name spaces? Strategy for namespace is closely linked. What about VASP and WLAN requirements from other network technologies? How hard is it to include local names in future releases? The document opens up several questions about the global elements.

Resolution –

The document was noted. Modified in T2-030264 with a note that global elements ONLY will be used. Need further investigation for impacts beyond Rel-6. The example was changed to follow the restrictions about global elements.

Document – T2-030260

TDoc No.	Title	Source	Status
T2-030260	Structure of GUP DDM Specification (TS 23.241)	Nokia	Noted

Presented by –

Paul

Discussion –

With this contribution Nokia wishes to clarify, limit, and change the scope of the DDM TS to a technical specification concentrating on the concrete XML issues of the GUP, and assuming TS 23.240 (and TS 22.240) as “parallel” specifications in complementing the stage 2 definition level of GUP. Without doing some refinements, e.g., as proposed in the contribution there is a risk that the target time schedules of GUP standardization cannot be met.

This document proposed a real re-structure and limitation of the 23.141. It was discussed lengthy. The point 1-4 from the file “Attachment_TS 23.241_v0.3.4_with_changed_structure” are repeated and commented below.

1/ However, the TS 23.241 should cover the most essential parts which are needed as basis for the component specific GUP specification work from the sections describing the DDM and DtDM. We see the specification of a XML Schema template for GUP, common elements presenting the metadata and XML Schema definition guidelines as the highest priority issues.

Introduction, Scope, Definitions is based on an old version, not 23.241 v0.3.5. General description was not really discussed, but the proposed version needs to be merged with 0.3.5 General Description.

2/ The information model is already described in TS 23.240 with appropriate level of detail, and thus there is no need to specify it in TS 23.241. If further development of the information model is needed the changes can be incorporated to the TS 23.240.

T2-0300251 is agreed as a baseline for chapter 5, Structure of Profiles. This chapter 5 is needed to explain the basic concepts.

3/ We see that the XML Schema template for GUP is enough to cover the purpose of the Profile Component Master Schema. Thus the concept of the Master Schema is proposed to be removed. Not agreed because something needs to replace the existing test.

It is no not a good idea to take a way a whole part if not a better part replace it. This chapter will be kept with a new note about that the area may be developed.

4/ The chapter 7.3 XML Schema Usage for Datatype Definitions defines restrictions to the XML Schema usage. A restricted XML Schema, i.e., a “lighter version” of the XML Schema, to the one specified by the W3C might be needed to be specified by 3GPP, but the scope of such a schema would be larger than the GUP. Hence we propose not to specify a specific light XML Schema in TS 23.241. Instead some restrictions could be defined as part of the guidelines. The proposal is thus that the existing subclause 7 of the DtDM will be replaced by the guidelines, and the XML examples of datatype definitions are moved to the Annex.

That some restrictions could be defined as part of the guidelines and replace parts of existing subclause 7 of the DtDM was agreed in principal. 7.2 are examples of Datatype Definitions and need to be moved to the annex. Why should 7.3 be deleted and replaced with nothing? It is responsible to change 7.3 when a list of restrictions is available. Not before that. A note is added.

Resolution –

The document was noted. Nokia will take back some parts for further development.

Document – T2-030264

TDoc No.	Title	Source	Status
T2-030264	Structure of GUP DDM Specification (TS 23.241)	Nokia	approved

Presented by –

Paul Voskar

Discussion –

Resolution –

The document was approved for inclusion in the next version of 23.241

Document – T2-030266

TDoc No.	Title	Source	Status
T2-030266	Proposed changes to 23.241 section 5.4.2.4	Ericsson	approved

Presented by –

Soren Christensen

Discussion –

Resolution –

The document was approved for inclusion in the next version of 23.241.

Document – T2-030263

3GPP

TDoc No.	Title	Source	Status
T2-030263	UE security aspects of the GUP architecture	T2	approved

Presented by –

Henrik Thuvesson

Discussion –

Paul: Is the Siemens document taken into account with its references to SyncML? We said that we need further time to agree on it. Concerns about referencing this document are expressed.

Prem: Reason for LS was question concerning security issues in T2-030221. We should remove the references to SyncML, T2-030221 and T2-030034 should be attached. A new overview giving the purpose of the LS was drafted.

Arto: The figure should be changed – all boxes above the Rp have been deleted.

Changes have been done.

Resolution –

The document was approved for output to T2

Document – T2-030226

TDoc No.	Title	Source	Status
T2-030226	Liaison Statement on GUP Interworking with Device Management	SA2	noted

Presented by –

Prem Sood

Discussion –

Prem: Use of GUP server instead of UEM Gateway is recommended for UEM. That's interesting as SA5 has not decided yet if UEM would be base on GUP.

Arto: There is no 100% match between UEM gateway and GUP server.

Resolution –

The document was noted.

3GPP

Document – T2-030227

TDoc No.	Title	Source	Status
T2-030227	Response on the proposals for GUP requirements- UE Data access and Backwards	SA3	noted

Presented by –

Prem Sood

Discussion –

Concerns about interpretation of the sentence "Changes of GUP component copies have no impact on the master GUP component where the copy was inherited." from 22.240, section 4.4 and the conclusion that therefore there are no security concerns. In this section in v6.0.0 it is also stated that "... changes made to a synchronized copy will be propagated to the master..."

Resolution –

The document was noted with a note added to 263:

"Please also refer to 22.240v600 for synchronization model requirements, especially regarding changes made to GUP data in UE disconnected mode which would need to be subsequently synchronized."

Documents – T2-030248 to T2-030255**Presented by –**

not presented

Discussion –**Resolution –**

TDocs where not reviewed during the meeting and they were left for the members to review subsequent to the meeting.

Note for 249 a version 1.1.0 exists.

3.2 Subscriber Management

Tdocs - 247, 212, 220, 262, 355

Document – T2-030247

TDoc No.	Title	Source	Status
T2-030247	Report of UEM-JM T2SWG2/SA5-SWG-A	T2 SWG2	noted

Presented by –

Prem Sood

Discussion –

SuM depends on GUP/DDM work.

Resolution –

The document was noted.

The SWG2 Chairman asked for permission forwarding the next version of TS23.241 v0.4.0 unapproved to SA5 for information. No objections.

AP 21.4: All members are requested to review and understand the latest version of SuM TS 32.141 v1.1.0

Document – T2-030212

TDoc No.	Title	Source	Status
T2-030212	Response to 3GPP TSG-SA5 LS on User Equipment Management	OMA	noted

Presented by –

3GPP

Paul Voskar

Discussion –

Paul: LS says nothing. It's amazing that they want to take leadership before any work has been done. Prem: We have no involvement in UEM, so it does not concern us. But we have the responsibility for terminals. We can get involved in this work, S5 GAP analysis is of interest (Comparison of UEM and OMA Device Management can be found on the ftp server under Joint Meetings). OMA does not say that Device Management covers all UEM.

Resolution –

The document was noted.

Document – T2-030220

TDoc No.	Title	Source	Status
T2-030220	Reply LS on OMA Device Management Requirements document	SA5	noted

Presented by –

Paul Voskar

Discussion –

Prem: SA5 is anticipating that UEM will move to OMA.

Resolution –

The document was noted.

Document – T2-030262

TDoc No.	Title	Source	Status
T2-030262	Subscription Management and Generic User Profile Teleconference Meeting held on 7th May 2003	SWG2 Chairman	noted

Presented by –

3GPP

Henrik Thuvesson

Discussion –

Resolution –

The document was noted.

Document – T2-030355

TDoc No.	Title	Source	Status
T2-030355	LS on usage of GUP reference points	SA5	noted

Presented by –

Paul Voskar

Discussion –

Resolution –

The document was noted.

3.3 AT Commands

TDocs 259, 216, 267

Document – T2-030259

TDoc No.	Title	Source	Status
T2-030259	CR 27.007 Rel-6: Correction of references	Ericsson	Approved for Output to T2

Presented by –

Soren Christensen

Discussion –**Resolution –**

The document was Approved for Output to T2

Document – T2-030216

TDoc No.	Title	Source	Status
T2-030216	LS from T3 on the BIP / Consistency of TS 31.111 with TS 27.007	T3-030141	Noted. Response in 267

Presented by –

Soren Christensen

Discussion –

T3 request if CGQREQ is appropriate for 3G packet.

Resolution –

The document was Note,

A response will be generated in 267 - Soren Christensen

Document – T2-030267

TDoc No.	Title	Source	Status
T2-030267	LS to TSG-T3 about the +CGQREQ AT command use in TS 31.111	Ericsson	approved

Presented by –

3GPP

Soren Christensen

Discussion –

Prem: The LS is sent to T3 for recommendation, not information. Action to T3 should be: T2 recommends the use of the newer +CQEQREQ.

Resolution –

The document was approved.

3.6 IMS

TDocs None

3.7 WLAN Functions

TDocs 215, 222, 236

Document – T2-030236

TDoc No.	Title	Source	Status
T2-0300236	3GPP-WLAN interworking	SA2	Noted with Action items

Presented by –

Nicalous Martinique (check spelling) (SA2)

Discussion –

Paul asked about UE-initiated tunneling. Which scenarios are included? Scenario 1-3 should be covered in Rel-6. Scenario 4-5(6) is out of Rel-6 scope.

3GPP

General feeling of the group is positive about the inter-working concept and no major impacts were identified. SA2 indicated that they would submit their specification to SA in September.

Resolution –

Document was discussed again on Wednesday between SA2 and T2.

AP 21.2: All members should review the draft of the specification S2-031885 and the TS-23.234 v.190 LS statement for feasibility and impacts of UE's for tunneling. SWG2 should have a response in August. Interim discussions should take place on the reflector.

AP 21.3: All members should review all specifications for impacts to WLAN.

Document – T2-030215

TDoc No.	Title	Source	Status
T2-030215	Response to LS S1-022388: "Having a Single USIM to Authenticate Multiple Devices Simultaneously Using Local Wireless Link"	T3	noted

Presented by –

Paul Voskar

Discussion –

Resolution –

The document was noted.

Document – T2-030222

TDoc No.	Title	Source	Status
T2-030222	Study of UE Functionality Split Security Issues for Release 6	SA3	noted

Presented by –

Paul Voskar

Discussion –**Resolution –**

The document was noted.

Document – T2-030333

TDoc No.	Title	Source	Status
T2-030333	LS on impacts on the UE of UE-Initiated Tunnelling	SA3	noted

Presented by –

Prem Sood

Discussion –**Resolution –**

The document was noted.

4.1 UE Functionality Split

TDocs none

4.2 Application and User Interaction

TDocs None

4.3 Other

Tdocs 239, 318, 335, 265

Document – T2-030318

TDoc No.	Title	Source	Status
T2-030318	Re: LS on terminal MMS capability discovery prior MM notification	T2 SWG3	approved

Presented by –

Friedhelm Rodermund

Discussion –

Resolution –

The document was approved

Document – T2-030335

TDoc No.	Title	Source	Status
T2-030335	LS on MMS for Deferred Mode IMS Messaging	T2 SWG3	approved

Presented by –

Friedhelm Rodermund

Discussion –

3GPP

Resolution –

The document was approved with a suggestion

Document – T2-030265

TDoc No.	Title	Source	Status
T2-030265	Overlap Table	T2	approved

Presented by –

Paul Voskar

Discussion –

The Table was filled in.

Discussion if DDM is bearer agnostic or not. Decision: We do not insert any remarks about bearer agnostic or not.

Table enhanced with “UE functional split” and “UE applications and user interaction”

Resolution –

The document was approved for output to T2

Document – T2-030239

TDoc No.	Title	Source	Status
T2-030239	T2 activities		noted

Presented by –

Prem Sood

Discussion –

SWG2 table see 265.

Resolution –

The document was noted.

5. Review of WI's progress, SWG2 and T2 relevant items in 3GPP work plan.**TDocs 208**

SWG2 chairman will have a discussion with Friedhelm Rodermund of MCC offline to review the work plan.

6. Approval of Output Documents for T2 Approval.

See Executive Summary

TDoc No.	Title	Source	Status

6.2 Meeting Report of this SWG2 Meeting

T2-030241	Report of T2 SWG2 #20		

7. Deferred Items

None

8. Any Other Business

None

9. Future Meetings, Time Requirements

See Executive summary.

10 Close of the Meeting

The Meeting was closed at 16.05 pm on Thursday.

10.1. List of New Action Points added at this meeting

AP Description	Assigned to	Due	Comments
21.1 – Develop company positions and discuss on the Reflector T2-030221	All SWG2	SWG2 - August Meeting	
21.2 - Review the draft of the specification S2-031885 and the TS-23.234 v.190 LS statement for feasibility and impacts of UE's for tunneling. Discuss on the reflector.	All SWG2	SWG2 - August Meeting	
21.3 - Review all specifications for impacts to WLAN.	All SWG2	SWG2 - August Meeting	
21.4 - Review and understand the latest version of SuM TS 32.141 v1.1.0	All SWG2	SWG2 - August Meeting	

Annex A List of all temporary documents

3GPP TSG-T2 #21
San Diego, CA, USA
12 -16 May 2003

Doc List SWG2 FINAL

COLOR CODE

APPROVED - OUTPUT TO T2

NOTED/APPROVED – NO OUTPUT TO T2

PENDING / ACTION

NOT REVIEWED AT THIS MEETING

NOT DISCUSSED YET

Doc List SWG2 FINAL

TDOC	Subject	Source	Comments
T2-030208	3GPP work plan	MCC	
T2-030211	LS from SA2 on GUP Information Model, Discussion paper	S2-030441	Noted – see 261, AP 20.1 and 263
T2-030212	LS from OMA-REQ on User Equipment Management	OMA-REQ-2003-0130-3GPP-S5-LS	Noted
T2-030215	LS from T3 on Having a Single USIM to Authenticate Multiple Devices Simultaneously Using Local Wireless Link	T3-030112	Noted
T2-030216	LS from T3 on the BIP / Consistency of TS 31.111 with TS 27.007	T3-030141	Noted. Response in 267
T2-030220	LS from SA5 to OMA Requirements Group cc SA, SA3, T, T2, T3 on OMA Device Management Requirements document	S5-032133	Noted

T2-030221	LS from SA2 on T2 GUP Co-ordination Progress Report to SA2	S2-031000	Noted. See 221, 261. AP 20.1 and 263
T2-030222	LS from SA3 on Study of UE Functionality Split Security Issues for Release 6	S3-030165	Noted
T2-030226	LS from SA2 on GUP Interworking with Device Management	S2-031006	Noted
T2-030227	LS from SA3 on GUP requirements- UE Data access and Backwards	S3-030155	Noted, with a note added to 263
T2-030236	LS from SA2 on impacts on the UE of UE-Initiated Tunnelling	S2-031569	Noted, with AP20.2, 3 review for response LS at Aug Meeting
T2-030239	T2 activities	Ericsson, Motorola, Nokia, Siemens	Noted
T2-030240	SWG2 agenda at T2#21	SWG2 Chair	Approved
T2-030241	SWG2 draft report at T2#21	NTT DoCoMo	Approved
T2-030242	Meeting Report SWG2_04 BERLIN, T2C-030022	SWG2-04 Chair	Report Approved by SWG2
T2-030243	T2C-030035, 23.241 Updates - References, definitions, general description	SWG2_04 Output	Approved by SWG2
T2-030244	T2C-030036, 23.241 Draft of Section 5	SWG2_04 Output	Approved by SWG2
T2-030245	T2C-030037, 23.241 Updates - Data Description Method	SWG2_04 Output	Approved by SWG2
T2-030246	23.241 v0.3.5 with SWG2_04 outputs	Rapporteur	Approved as the new development baseline
T2-030247	Meeting Report UEM-JM BERLIN, S5-033202	SWG2 Chair	Noted, with approved v040, 041 to S5
T2-030248	22.240v600	SWG2 Chair	Not presented. Members to review off-line
T2-030249	23.240v100	SWG2 Chair	Not presented. Members to review off-line
T2-030250	Introduction of GUP Server in the network architecture (CR to 23.002, Rel6)	S2-031375 Nokia	Not presented. Members to review off-line
T2-030251	GUP for IMS Subscription Management (CR to 23.228, Rel6)	S2-031376 Nokia	Not presented. Members to review off-line
T2-030252	Rp procedure description enhancements for GUP (23.240, Rel6)	S2-031377 Nokia	Not presented. Members to review off-line
T2-030253	Synchronisation in GUP (23.240, Rel6)	S2-031378 Nokia	Not presented. Members to review off-line
T2-030254	Enhancements of the GUP Information Model (23.240, Rel6)	S2-031379 Nokia	Not presented. Members to review off-line
T2-030255	Enhancements to the descriptions of GUP functional entities (23.240, Rel6)	S2-031447 Nokia	Not presented. Members to review off-line

T2-030256	Continuation of DDM specification work.	Nokia	Noted. Superseded by 260
T2-030257	Further contents for chapter 7.4.	Nokia	Approved in principle, Modified in 264. Add note, mod example
T2-030258	proposed changes to Section 5, 23.241v035	Sharp	Approved for next version of 23.241
T2-030259	CR 27.007 Rel-6: Correction of references	Ericsson	Approved for Output to T2
T2-030260	Structure of GUP DDM Specification (TS 23.241)	Nokia	Noted. Nokia will re-submit
T2-030261	Discussion of 0221 and UE aspects of the GUP architecture	Siemens	Noted – See 221, AP 20.1 and 263
T2-030262	SA5 SuM-GUP Conference call Report	SWG2 Chair	Noted
T2-030263	LS to S3 cc S2 on Security item in 221	H. Thuvesson	Approved for Output to T2
T2-030264	Further contents for chapter 7.4.	Nokia	Approved for inclusion in the next version of 23.241
T2-030265	SWG2 Table of 3GPP-OMA Overlap Items	SWG2 Chair	Approved for Output to T2
T2-030266	Proposed change to 5.4.2.4 of 23.241	Ericsson Soren	Approved for inclusion in the next version of 23.241
T2-030267	Response to 216 T3 LS on CGQREQ	Ericsson Soren	Approved for Output to T2
T2-030333	LS on UE-Initiated Tunnelling	SA3	Noted
T2-030355	LS on uasge of GUP Reference point	SA5	Noted

Annex BFINAL AGENDA

3GPP TSG-T2 SWG2#21
San Diego, California
12-15 May 2003

T2-030240

Agenda Item: 1.1

Source: SWG2 Chairman

Title: DRAFT 4 Agenda SWG2#21 Meeting

Document for: Approval

1. Opening of the meeting

1.1 Approval of this Meeting's Agenda, Chairman's comments 240

Recording of Incoming Docs & assignment to Agenda 240, doclist

1.2 Co-located Joint and Dedicated Meetings, time schedule this week

1.3 Future Meetings Confirmation – proposed list is in Agendum 9

1.4 Review of Progress on Action Items Draft1 241

1.5 Appointment of Rapporteurs – 27.007, 23.241, 23.227

2. Items for immediate discussion –

2.1 LSs from SA2, Specs – 236, 221, 261, 248, 249

3. SWG2 Ongoing Work

3.1 SWG2 Ongoing Work on GUP, DDM, 242, 246, 243, 244, 245, 211, 221, 261, 256, 260, 258, 257, 226, 227, 248, 249, 250, 251, 252, 253, 254, 255, 263, 264, 266

3.2 Subscriber Management, UE Management 247, 212, 220, 262, 355

3.3 AT Commands 259, 216, 267

3.4 IMS

3.5 WLAN functionality 215, 222, 236, 333

4. Other SWG2 Items

4.1 UE Functionality Split

4.2 Application and User Interaction (Terminal Local Model)

4.3 Other (incl. CRs to SWG2 docs) 239, 209, 265

5. Review of WI's progress, SWG2 and T2 relevant items in 3GPP work plan 208

6. Approval of Output Drafts and Documents for T2 Approval

6.1 Liaison Statements, etc.

6.2 Meeting Report of this SWG2 meeting 241

7. Deferred Items

8. Any Other Business

9. Future meetings, Time requirements

SWG2_05 on GUP – June 23-26, Portland, Oregon, USA (Confirmed)

SWG2_06 on GUP – October 6-9, 2003 New Orleans (TBD)

JM with SA5 on GUP, SuM – October 7th, 2003 New Orleans (TBD)

10. Close of the meeting

APPROVED - OUTPUT TO T2

NOTED/APPROVED – NO OUTPUT TO T2

PENDING / ACTION

DECIDED TO POSTPONE, NOT REVIEW

NOT DISCUSSED YET

CURRENTLY BEING DISCUSSED

Annex C List of Participants

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Annex E: Report from SWG3 Messaging

Agenda Item: T2 Closing Plenary

Source: SWG3 Chair

Title: Report of SWG3

Document for: Approval

Executive Summary:

General:

The SWG3 sessions at T2#21 were attended by 24 delegates. Randall Grund, Motorola, volunteered as meeting secretary.

All in all 79 tdocs were processed, among these 16 incoming LSs. Due to lack of time 4 tdocs (on MMS REL-6) had to be postponed to the next meeting. Number of documents per topic: CBS: 5; SMS: 12; MMS: 57 thereof 44 on REL-6 issues

Action items from T#19, SA#19, T2#20 opening plenary:

AI#1: Identify SWG3 delegates' interest in SWG2 GUP WID discussions (from T2#21 OP)

No interest identified.

AI#2: T2 to review MMS for PSTN/ISDN (form SA#19)

It was decided that the 23.140 rapporteur, Josef Laumen (Siemens), will provide feedback to the rapporteur of the MMS for PSTN/ISDN specification offline.

AI#3: 3GPP / OMA: technical revision of interaction/overlap areas (form T#19 and T2#21 OP (include 3GPP2))

T2-030346 reflects current T2-SWG3 Activities, identifies areas of interworking and of overlap with other groups or standards bodies. In addition it points out the interdependencies between T2 and OMA work and shows which parts of T2-SWG3's work is bearer agnostic and which is not.

AI#4: T2 to define/reduce its Rel-6 work in MMS (from T#19, SA#19 and T2#21 OP)

The MMS Enhancements WID (REL-6) was revised and agreed in T2-030312. It is now restructured showing the priority of the targeted areas. Since only few of the targeted areas could be deleted from the WID it was agreed that the WID will be reviewed at T2#22 and that those items without input at T2#22 will be removed from it.

CBS matters

There were 4 incoming LSs to one of which a reply-LS was created, T2-030315.

SMS matters

Corrections were made on the SMS operation over GPRS and on reserved values in TP-Status. In addition an ETSI AT-F proposal for Interconnection between a FSMSC and SMSCs/FSMSCs in other networks was reviewed and commented.

EMS matters

None.

MMS REL-4 and MMS REL-5 issues

Only minor maintenance work: corrective CRs on references were approved.

MMS REL-6 issues

Charging and addressing related enhancements to MM7 as well as an extension of delivery reporting over MM4 were agreed. An analysis of MMS applicability for IMS Messaging deferred mode was performed, informing SA2 about the outcome. In addition, work on defining support for DRM in MMS and on Over the air provisioning in MMS was completed.

Additional Work Item(s):

3GPP / 3GPP2 Harmonisation: On Tuesday, T2 SWG3 session closed before 5:00pm so delegates could meet on an informal basis with 3GPP2 to discuss potential interoperability issues. Agreements were reached on information exchange, areas where interoperability issues might arise were identified and these areas were prioritised.

MMS requirements / SA1: T2 SWG3 sessions were suspended on Wednesday 11:00 to 12:30 to allow delegates to attend an SA1 messaging SWG session.

Future Meetings:

Meeting	Date	Venue	Comment
T2#21	12-16 May 2003	US	
T2#22	25-29 Aug 2003	Cambridge, UK	

Output Change Requests from SWG3:

CBS:

NONE

SMS:

Tdoc	Title	Source	Comment
T2-030284	CR 23.040: Reserved values in TP-Status	Siemens	
T2-030320	CR on 23.040 R'99 SMS operation over GPRS	Ericsson	revised T2-030282, revised T2-030283
T2-030321	CR on 23.040 rel-4 SMS operation over GPRS	Ericsson	revised T2-030282, revised T2-030283

T2-030322	CR on 23.040 rel-5 SMS operation over GPRS	Ericsson	revised T2-030282
T2-030323	CR on 23.040 rel-6 SMS operation over GPRS	Ericsson	revised T2-030283

EMS:

NONE

MMS:

Tdoc	Title	Source	Comment
T2-030325	CR 23.140 REL-4 Updating WAP references to OMA references	Siemens	revised T2-030286
T2-030326	CR 23.140 REL-5 Updating WAP references to OMA references	Siemens	revised T2-030287
T2-030327	CR 23.140 REL-6 Updating WAP references to OMA references	Siemens	revised T2-030288
T2-030329	CR 23.140 REL-6 Support for DRM in MMS	Siemens	revised T2-030289
T2-030337	CR 23.140 Rel-6: Extension of the X-Mms-MM-Status-Code "reject", in the MM4_Delivery_report.REQ	Ericsson	revised T2-030305
T2-030338	CR 23.140 REL-6 Addition of IEs that currently exist in MM1/MM4 but not in MM7	Nokia	revised T2-030299
T2-030339	CR 23.140 REL-6 Over the air provisioning in MMS	Siemens	revised T2-030290
T2-030340	CR 23.140 REL-6 Addition of information regarding encrypted or obfuscated address in MM7	Nokia	revised T2-030300
T2-030341	CR 23.140 REL-6 Addition of SPI to MM7 reference point	Nokia	revised T2-030301 and T2-030302
T2-030344	CR 23.140 Rel-6: Charged Party ID	Ericsson	revised T2-030295
T2-030347	CR 23.140 REL-6 correction of RFC 2821 reference	MCC	
T2-030348	CR 23.140 REL-4 correction of RFC 2821 reference	MCC	
T2-030349	CR 23.140 REL-5 correction of RFC 2821 reference	MCC	

Output Liaison Statements from SWG3:

CBS:

TDoc	Title	Source	Comment
T2-030315	reply-LS to RAN3 on Clarification on "Restriction of Service Area List"	rapporteur of 23041	reply to T2-030214

SMS:

Tdoc	Title	Source	Comment
T2-030314	reply-LS to ETSI AT-F on Proposal for Interconnection between a FSMSC and SMSCs/FSMSCs in other networks	rapporteur of 23040	reply to T2-030223
T2-030324	LS to CN4 on SMS operation over GPRS	Ericsson	
T2-030316	reply-LS to SA1, SA2, CN1, OMA-MAG-Push, cc OMA-MAG, CN4 on SMS/MMS Interworking from WLANs	Nokia	reply-LS to T2-030231

EMS:

NONE

MMS:

Tdoc	Title	Source	Comment
T2-030318	reply-LS to SA1, CN4, OMA MAG, OMA IMPS, OMA REQ, cc SA2, SA, T on terminal MMS capability discovery prior MM notification	Nokia	reply-LS to 235
T2-030335	LS to SA2, cc SA1, CN1 on MMS and IMS Messaging	Openwave	Already T2 approved during the SWG sessions

List of other output documents from SWG3:

Tdoc	Title	Source	Comment
T2-030312	Revised MMS Rel-6 WID	SWG3	revised T2-30311
T2-030346	T2 SWG3 activities	SWG3	

List of postponed documents – IF ANY:

Tdoc	Title	Source	Comment
T2-030298	CR 23.140 Rel-6: Inaccuracies in Annexex I & K	Ericsson	
T2-030306	CR 23.140 REL-6 Addition of User Agent Profile information to MM7_deliver.REQ	Nokia	
T2-030307	CR 23.140 Rel-6: Clarification of the definition of message size	LogicaCMG	
T2-030319	MMS prepaid solution	Huawei	

List of Action Items:

AI#	Related tdoc #	Subject	Action Item	Responsible Person
T2#19-009	T2-020954	CR 23.140 Recipient Handling on MM4	Sam to take this CR on email discussion	Sam (Ericsson)
T2#20-001	T2-020929	MMS Security Services	Openwave, Gemplus to conduct an email discussion?	Openwave, Gemplus
T2#21-008	T2-030026	LS rom SA1 on MM7 functionality enhancements requested by GSMA SERG	Identify if there's need for changes to 23.140 (Paolo)	Paolo (Vodafone)

T2#21-009	T2-030214	LS from RAN3 on Clarification on "Restriction of Service Area List"	Josef to check with Ian	Josef (Siemens)
T2#21-010	T2-030224	LS from ETSI TC AT-Features on MMS for PSTN/ISDN	Josef to provide comments offline	Josef (Siemens)
T2#21-011	various	MM7	Create MM7 stage 3 CRs to all T2#21 agreed MM7 stage 2 CRs (for email)	Ville (Nokia)
T2#21-012	T2-030315	reply-LS to RAN3 on Clarification on "Restriction of Service Area List"	Further clarification / response to RAN3's actions needed	Ian (rapporteur of 23041)
T2#21-013	T2-030336	CR 23.140 Rel-6: Extension of MM4 interface for delivery report	Michel to pursue email debate !	Michel (Ericsson)
T2#21-014	T2-030303	CR 23.140 REL-6 Addition of Service Code for MM7_delivery.REQ	email debate	Ville (Nokia)

Detailed Report:

Review of action items from T2#20:

- Item of handling of different MMS notifications by Orange. This issue was closed at T2#19.
- MMS Security services, had not progress and is pending. Email discussions are pending.
- Recipient handling on MM4 was to be put on email discussion. No email discussion occurred.
- Transferring distribution indicator as part of messaging retrieval. Closed
- MM7 operation across MM4. Input is to this meeting T2-030293
- Extension of delivery report over MM4 for rel6. See documents T2-030296 and T2-030285.
- MM7 version definition. Email discussion occurred and conclusions reached.
- Handling of different MMS notifications. (X-mms auto fetch) Item closed.
- Discussion at JM between SA1 and T2. An LS was by T2 asked SA1 for clarification regarding the directory number. No agreement was reached at the JM and therefore the action item is cancelled.
- A rolling CR on third party pays issue with responsibility by China Mobile. New CRs are input to this meeting, and therefore this item is closed.
- MM7 message related fields on MM4. Item closed.
- Extension of delivery report over MM4. T2-030296 and T2-030297 input to this meeting and therefore the item is closed.

Incoming Liaison Statements:

TDoc	Title	Source	Comment
T2-030026	LS from SA1 on MM7 functionality.	S1-030268	Enhancements from GSMA SERG.

Discussion: The LS indicates that requirements are in 22.140 and therefore need to be completed in 23.140. No volunteers were identified to bring in a CR. It was recognized that an existing CR in T2-030299 may fill some of the requirements.

Conclusion: Vodafone will review T2-030299 to make a determination if it is appropriate to fill the 22.140 requirement. This LS is noted.

TDoc	Title	Source	Comment
T2-030213	Reply LS on CBS download data parameters.	RAN2	

Discussion: No comments to the LS were made.

Conclusion: This concludes the discussion on CBS. Document is noted.

TDoc	Title	Source	Comment
T2-030218	OMA IOP	OMA	

Discussion: No discussion.

Conclusion: Noted.

TDoc	Title	Source	Comment
T2-030219	MMS Volume Definition	SA5	

Discussion: None

Conclusion: Noted

TDoc	Title	Source	Comment
T2-030232	GSMA CPWP charging requirement added in 22.115	SA1	

Discussion: None

Conclusion: Noted

TDoc	Title	Source	Comment
T2-030233	CBS download parameters	SA1	

Discussion: None

Conclusion: Noted

TDoc	Title	Source	Comment
T2-030237	SGSN's MNC and MCC to the GGSN	SA5	

Discussion: None

Conclusion: Noted

TDoc	Title	Source	Comment
T2-030238	Roaming Awareness	SA5	

Discussion: None

Conclusion: Noted

TDoc	Title	Source	Comment
T2-030214	Clarification on Restriction of Service Area List	RAN 3	

Discussion: None.

Conclusion: Noted. A reply LS is in T2-030315.

TDoc	Title	Source	Comment
T2-030217			

Discussion: None.

Conclusion: Noted

TDoc	Title	Source	Comment
T2-030223	Proposal for interconnection between a FSMSC and SMSCs/FSMSCs in other networks.	ETSI	

Discussion: The fixed network can adhere to the SMSC as know in 3GPP. The interface used in 3GPP SMS is SS7, and is the only interface. More detail was added, and it was then seen this issue is more political then technical. A reply will be in T2-030314.

Conclusion: Noted.

Tdoc	Title	Source	Comment
T2-030224	Work on MMS for PSTN/ISDN in AT-F	ETSI	

Discussion: It was asked if this is a new requirement, and whether MM4 or MM3 can fulfil it. An answer wasn't available, but in general it was seen that this LS warranted much effort, but the Chair will perform some offline discussions with the author of this LS.

Conclusion: Noted

Tdoc	Title	Source	Comment
T2-030231	SMS/MMS interworking from WLANs	SA1	

Discussion: It was asked if WAP Push has been defined over WLAN. If so, then there should be no issue. Also, it was asked about IMS push and if it is completed or pending. If this can be relied upon for rel6 it would simplify the MMS solution on WLAN. Nokia will draft a reply LS in T2-030316.

Conclusion: Noted.

Tdoc	Title	Source	Comment
T2-030234	MMS in SIM Card	SA1	

Discussion: It was expressed that SA1 may have approved these CRs without giving T2 a chance to input technically. It was thought that since SA1 is co-located with this meeting, to take the opportunity to discuss this with them. Specific comment was that one of the CRs indicate storing elements of an MM, yet that refined control of an element may not be possible. Others expressed the use case for this is unclear.

Conclusion: Pending until the session with SA1 later in the week.

Tdoc	Title	Source	Comment
T2-030235	MMS Capability discovery prior MM notification		

Discussion: It was asked why this would be needed in rel5, but not in rel6. Delegate from SA1 mentioned that if in a few years time when all devices are supporting MMS, this isn't needed. Discussions went on and it became more unclear what the real requirement is. Clarification was asked if the sending is to know if the recipient is MMS capable or not, or if the MMSC needs to know. It was clarified that the MMSC should have this knowledge.

It was stated that this problem is addressing existing devices and MMSC, not for future devices. It was mentioned this issue maybe best addressed by the OMA MMS IOP work. Some expressed this isn't a standards issue, and operators should be asking vendors for solutions. For Rel5, any solution is seen not to be within T2 realms.

For Rel6, the solution lies within UAProf, and therefore, may be best addressed by OMA. T-Mobile expressed they would rather have a solution in 3GPP, but it may not be possible.

Conclusion: For Rel5 no solution is possible. Document is noted and a reply LS is in T2-030318.

TDoc	Title	Source	Comment
T2-030332	Re: LS to 3GPP SA5 on roaming awareness (response to S5-034256)	GSMA BARG	

Discussion: None.

Conclusion: Noted.

Action items from T#19, SA#19, T2#21 opening plenary

AI#1: Identify SWG3 delegates' interest in SWG2 GUP WID discussions (from T2#21 OP)

No interest among SWG3 delegates identified.

AI#2: T2 to review MMS for PSTN/ISDN (form SA#19)

See notes on incoming LS T2-030224 above

AI#3: 3GPP / OMA: technical revision of interaction/overlap areas (form T#19 and T2#21 OP (include 3GPP2))

Tdoc	Title	Source	Comment
T2-030346	T2-SWG3 Activities	T2 SWG3 Chair	

Discussion: The document was presented, and the initial comment was given by the T2 Chair saying that this is taking a strong approach at suggesting most of the T2 work move to OMA. In doing such, SWG3 is dictating the future of T2 because SWG3 (MMS) is the bulk of the work in T2. It was stated by the T2 chair that we should not be attempting to protect our positions here in T2 and instead do what's best for the industry.

It was expressed that the comments column shows only one way forward, and that is all the work at a single transfer. The other approach would be in pieces over a period of time.

Clarification was asked for what is meant in the comments column by shifting the work over. The question was attempting to reach at how the work would flow.

It was expressed the issue of public available document or not in OMA. It was also suggested not to discuss this at this point in time, but others disagree.

It was unclear if T2 should be giving any recommendations to TP or not. It was decided that an agreement would not be reached for detailed recommendations, and hence only general statements were made.

Conclusion: Approved to go from T2 SWG3 to T2 Plenary.

AI#4: T2 to define/reduce its Rel-6 work in MMS (from T#19, SA#19 and T2#21 OP)

Tdoc	Title	Source	Comment
T2-030308	Proposed revision of MMS Enhancements WID (Rel6)	T-Mobile, Vodafone, AWS, Telefonica, TIM	

Discussion:

Conclusion: Noted

Tdoc	Title	Source	Comment
T2-030309	Support for MMS WID items	T2 Chairman	
T2-030311	Support for MMS WID items	T2 Chairman	
T2-030313	Support for MMS WID items	T2 Chairman	

Discussion: The issue is that the MMS Rel6 time frame is being set at December 2003 and maybe March 2004. Therefore, its being asked which of the items in the existing MMS WID have significant support.

It was decided to refine T2-030309 with details of which companies are supportive of the work areas by submitting contributions to accomplish the tasks. Each item was discussed briefly with a table created and is in T2-030311. After this, the original MMS WID was reviewed keeping in mind the different items in T2-030311, and assigned to T2-030313.

The discussion was lengthy on how to identify those work items that have commitment from companies to submit contributions. Different opinions were expressed on how to set the criteria for this. Some individuals think that a single company is sufficient, others expressing that more companies have greater chance of being completed in rel6 time frame.

From all the discussions came a potentially new MMS WID in T2-030312.

Conclusion: Noted

Tdoc	Title	Source	Comment
T2-030312	Revised MMS Enhancements WID (Rel6)		

Discussion: Companies were asked for firm commitment on brining contributions in different work areas. This exercise didn't result in any items removed from the list. It was then agreed that if no input is received on a particular work area on or before the next 3GPP TSG T2 meeting, those items will be removed from the MMS WID for Rel6.

Conclusion: Approved.

CBS matters:

Tdoc	Title	Source	Comment
T2-030314	LS – Proposal for Interconnect FSMSC and SMSCs/FSMSCs in other networks	T2	

Discussion: Minimal editorial changes were made.

Conclusion: Approved.

Tdoc	Title	Source	Comment
T2-030315	LS – Clarification on “Restriction of Service Area List”	T2	

Discussion: None

Conclusion: Approved.

SMS matters:

Tdoc	Title	Source	Comment
T2-030282	CR 23.040 Missing SMSs over MSC	Ericsson	Rel5 CR

Discussion: A few minimal concerns were expressed. Also, this needs to be communicated to CN4 and an LS in T2-030324 will be authored. This same CR would be applied to Rel4 and Rel99. Nokia expressed reservations on this CR and would like to check back with the office.

Conclusion: Noted and a revised version will be in T2-030320.

TDoc	Title	Source	Comment
T2-030283			

Discussion:

Conclusion:

Tdoc	Title	Source	Comment
T2-030284	Reserved values in TP-Status	Siemens	Rel6

Discussion: Editorial change.

Conclusion: Approved

Tdoc	Title	Source	Comment

T2-030324	LS on missing SMS transmission via MSC	T2	
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Discussion: Minimal editorials were made. Nokia made reservations upon asking for approval. It was asked if it could be conditionally approved. Yes, it could.

Conclusion: Conditionally approved. After further investigation, this document was approved.

EMS matters:

NONE

MMS REL-4 issues:

TDoc	Title	Source	Comment
T2-030286	Updating WAP references to OMA references	Siemens	Rel4

Discussion: Mirror CRs are available for Rel5 and Rel6. It was mentioned that maybe we could fix another reference to IETF. A revised CR in T2-030325 will be authored to fix other references.

Conclusion: Noted

Tdoc	Title	Source	Comment
T2-030325	Updating references in 23.140	Siemens	

Discussion: None.

Conclusion: Approved.

Tdoc	Title	Source	Comment
T2-030348	CR 23.140 Correction to RFC2821 reference	MCC	Rel4

Discussion: It was asked if this CR is needed for Rel4 and Rel5.

Conclusion: Approved

Tdoc	Title	Source	Comment
T2-030321	CR 23.040 Missing SMSs over MSC	Ericsson	Rel4

Discussion: Nokia made reservations upon asking for approval. It was asked if it could be conditionally approved. Yes, it could.

Conclusion: Conditionally approved. But after further investigation, this document was approved.

MMS REL-5 issues:

Tdoc	Title	Source	Comment
T2-030349	CR 23.140 Correction to RFC2821 reference	MCC	Rel5

Discussion: It was asked if this CR is needed for Rel4 and Rel5.

Conclusion: Approved

Tdoc	Title	Source	Comment
T2-030307	CR 23.140 Clarification of the definition of message size	LogicaCMG	Rel5

Discussion:

Conclusion: Postponed till T2#22.

Tdoc	Title	Source	Comment
T2-030287	CR 23.140 Updating WAP references to OMA references	Siemens	Rel5

Discussion: For Rel5, the appropriate specs in OMA are not available at this time, but the effort here is to point to OMA. It maybe possible to point to the draft documents in OMA. But problems exist here, and the names in OMA may change. This will be revised in T2-030326. The revised CR will state that when the appropriate documents become publicly available, the references will be updated.

Conclusion: Noted.

TDoc	Title	Source	Comment
T2-030326	Updating references in 23.140	Siemens	

Discussion: None.

Conclusion: Approved.

Tdoc	Title	Source	Comment
T2-030288	CR 23.140 Updating WAP references to OMA references	Siemens	Rel5

Discussion: For Rel5, the appropriate specs in OMA are not available at this time, but the effort here is to point to OMA. It maybe possible to point to the draft documents in OMA. But problems exist here, and the names in OMA may change. This will be revised in T2-030327. The revised CR will state that when the appropriate documents become publicly available, the references will be updated.

Conclusion: Noted.

MMS REL-6 issues:

Tdoc	Title	Source	Comment
T2-030298	CR 23.140 Inaccuracies in Annexes I and K	Ericsson	Rel6

Discussion: None.

Conclusion: Postponed till T2#22.

Tdoc	Title	Source	Comment
T2-030306	CR 23.140 Addition of User Agent capabilities information in MM7_deliver.REQ	Nokia	Rel6

Discussion: None

Conclusion: Postponed till T2#22.

Tdoc	Title	Source	Comment
T2-030319	MMS Prepaid Solution	Huawei	Discussion document

Discussion: None.

Conclusion: Postponed till T2#22.

TDoc	Title	Source	Comment
T2-030296	Delivery report between different MMSCs	CMCC, Ericsson	

Discussion: Questions were asked. One was how this would work with legacy MMSCs. It was answered that backwards compatibility is maintained.

Conclusion: Noted.

Tdoc	Title	Source	Comment
T2-030293	Extending MM7 connectivity beyond a single MMS environment.	Ericsson	

Discussion: It was agreed that there is No need to systematically extend MMS connectivity, but consider case by case needs.

Conclusion: Noted, It was agreed that **there is** No need to systematically extend MMS connectivity, but consider case by case needs.

Tdoc	Title	Source	Comment
T2-030294	Charged Party ID on MM7	CMCC, Ericsson	

Discussion: Questions arose on the use case, and the business relationship between all parties involved. It was a concern that the operator of the MMSC is then tasked to collect from a 3rd party, to which there may not be any relationship or billing ability. There exists a service code to accomplish billing of the 3rd party by the VASP, and to not put the responsibility onto the MMSC. So it was thought there already exists a means to accomplish the use case being proposed.

Conclusion: Noted.

Tdoc	Title	Source	Comment
T2-030295	CR 23.140 Charged Party ID on MM7	CMCC, Ericsson	Rel6

Discussion: Discussions went around for quite some time with no resolution. It was decided that a revised CR is necessary and would be in T2-030344

Conclusion: Noted.

Tdoc	Title	Source	Comment
T2-030344	CR 23.140 Charged Party ID on MM7	Ericsson	Rel6

Discussion: A note was included that said that 3rd party charging is option. This note was challenged but not fully resolved. Other issues were mentioned, one being the potential of fraud and protection of the user. The fraud issue was a concern and that some protection should be devised to protect the user.

It was stated that section 7 needs to be updated with a description of this feature, and this was agreed.

The issue of fraud resulted in an understanding that text is necessary to explain there are concerns.

The use cases supporting this CR were submitted at T2 #20.

Conclusion: Approved.

Tdoc	Title	Source	Comment
T2-030300	CR 23.140 Addition of information regarding encrypted or obfuscated address in MM7	Nokia	Rel6

Discussion: Openwave is in support of the material, but would like to see a clear wording of the proposed text. It was unclear what the use case really is. Also, Ericsson expressed concern that this requires the MMS R/S to keep state knowledge regarding that a submit message contains an encrypted address or not. Backwards compatibility was also a concern. It was said there isn't any backwards compatibility issues, and the VASP would ignore the associated information elements.

Conclusion: Noted, but a revised CR may be submitted in T2-030340.

Tdoc	Title	Source	Comment
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T2-030340	CR 23.140 Addition of information regarding encrypted or obfuscated address in MM7	Nokia	Rel6
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Discussion: Some discussions occurred regarding the xml scheme and backwards compatibility. It was also asked about the stage 3 accompanying this CR. The answer was that it would be done by a separate CR.

Conclusion: Approved.

Tdoc	Title	Source	Comment
T2-030301	CR 23.140 Addition of IMSI information on MM7	Nokia	Rel6

Discussion: Concern was expressed on the IMSI being transferred to the VASP. That the IMSI is viewed as protected or private information. An idea was to maybe send only the first 6 digits or so. A few words were changed for improvements.

Conclusion: Noted

Tdoc	Title	Source	Comment
T2-030302	CR 23.140 Addition of Service Provider Identification to MM7	Nokia	Rel6

Discussion: It was mentioned that this CR solves the same issue as T2-030301, and that maybe the two CRs could be combined. The definition of a Service Provider is needed.

Conclusion: Noted, but will be revised to include T2-030301 and resubmitted as T2-030341.

Tdoc	Title	Source	Comment
T2-030341	CR 23.140 Addition of Service Provider Identification to MM7	Nokia	Rel6

Discussion: Text was added in the feature description section of the Service Provider identification. It was also asked what a 'service provider' is because the term is used. Debate went on regarding the definition, with the conclusion that a definition for 'service provider identification' would be included, and the contents of that definition was debated.

Conclusion: Approved.

TDoc	Title	Source	Comment
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T2-030285	MMS and IMS Messaging	Openwave	Document for discussion.
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Discussion: Comments included a clarification regarding filtering mechanisms for deferred messaging. Response was that a consistent service could be developed for all types of messaging. References were made to 22.340 and asked if it defines these filtering solutions. Regarding PUSH, it was asked how it could be replaced by some SIP means. The response is that separate push mechanism shouldn't be created for MMS, but should be left to the appropriate group in 3GPP or OMA.

It was asked if the recommendations could be taken, with the removal of the second bullet regarding filtering. Nokia supports the document in principal, but have additional concerns.

The bullets in chapter 4 suggesting the modifications to evolve MMS for use as IMS deferred messaging were discussed in details and changes made on line. A commented version was created.

Conclusion: Noted and a reply LS (T2-030335) to SA2 will use the comments made online.

TDoc	Title	Source	Comment
T2-030297	CR 23.140 Delivery report between different MMSCs	CMCC, Ericsson	Rel6

Discussion: Questions were asked. One was how this would work with legacy MMSCs. It was answered that backwards compatibility is achieved. Changes were made online. It was clarified that this CR doesn't impact MM1 and the MMS client.

Long discussion took place to define the message elements in tables. Disagreements were had on how to implement this feature.

Conclusion: Noted. The modifications created on line are agreed in principal and a revised version will be created in T2-030336.

Tdoc	Title	Source	Comment
T2-030336	CR 23.140 Extension of MM4 interface for delivery report.	Ericsson	Rel6

Discussion: Some modifications were made in the tables. Also, it was suggested to remove any reference to business agreements. The reasoning is that a R/S doesn't know of agreements. Discussion got lengthy, with LogicaCMG indicating that the changes are treating the VASP and UA as the same. The document was closed for offline discussions.

Further discussions were about the optionality of this feature by the MMS R/S - whether it should be mandatory or not and how a mandatory feature would work with legacy servers. In was agreed to be an optional feature.

Conclusion: Document revisions and debate will be done via email, and the result is expected to be revised and revisited for the next T2 in August.

Tdoc	Title	Source	Comment
T2-030289	CR 23.140 Support for DRM in MMS	Siemens	Rel6

Discussion: There can't be agreement on this CR as it's written. One issue is whether SMIL is to be protected or not, and how to protect content on MM7. Nokia likes the general concept of the CR, but have concerns in some of the details. Vodafone comments that, at the current stage of investigations on DRM, it is still not possible to completely exclude that the MMSC has nothing to do with DRM. Some changes were made online to address the concerns.

Conclusion: Noted, but will be revised in T2-030329.

Tdoc	Title	Source	Comment
T2-030329	LS on terminal MMS capability discovery prior MM notification	Siemens	Rel6

Discussion: Some comments were made on grammar and content. These were addressed.

Conclusion: Approved.

Tdoc	Title	Source	Comment
T2-030318	LS on terminal MMS capability discovery prior MM notification	T2	

Discussion: Significant changes were made to the draft LS. Specifically, requests were made of OMA MAG to elaborate on UAProf for a push application. Also added, was the idea of using Presence as a solution. Another action was added to CN4 asking them to find a solution using the MAP protocol. In the end the LS was completely and totally rewritten.

Conclusion: Approved.

Tdoc	Title	Source	Comment
T2-030335	LS on MMS for Deferred Mode IMS Messaging	T2	

Discussion: No comments.

Conclusion: Approved.

Tdoc	Title	Source	Comment
T2-030316	Re: LS on SMS/MMS Interworking from WLANs	T2	

Discussion: Editorial corrections made and some substantial content added.

Conclusion: Approved.

TDoc	Title	Source	Comment
T2-030327	CR 23.140 Updating references in 23.140	Siemens	Rel6

Discussion: None.

Conclusion: Approved.

Tdoc	Title	Source	Comment
T2-030305	CR 23.140 Expansion of X-MMS-MM-Status-Code reject	CMCC, Ericsson	Rel 6

Discussion: Concerns were expressed with the name of 'rejection'. Instead use 'status code reason'. A few other suggestions were made, and easily accepted.

Conclusion: Noted. A revised version will be created in T2-030337.

Tdoc	Title	Source	Comment
T2-030337	CR 23.140 Extension of the X-Mms-MM-Status-Code reject	Ericsson	Rel6

Discussion: A suggestion was made to change the name of expansion to extension. This was accepted. Also, to remove the text 'black listed'. This was agreed.

Conclusion: Approved.

Tdoc	Title	Source	Comment
T2-030299	CR 23.140 IEs on MM1/MM4, but not MM7.	Nokia	Rel6

Discussion: Comverse agrees with the changes in general, but that there is no stage 3 accompanying text. Nokia's response was that only after the agreed stage 2 is had, then the stage 3 would be written.

There is agreement on this CR in principal. Ericsson mentioned that 8.7.9.3 needs to be changes, but this is the stage 3 text. Also, annex K and annex L.

It was decided to first get agreement on this CR, and the associated stage 2 text (annex K and 8.7, except 8.7.9). At a later date complete the work by submitting another CR showing the scheme changes for stage 3 which will include 8.7.9 plus annex L.

Conclusion: Noted, but a revised CR will be submitted in T2-030338.

Tdoc	Title	Source	Comment
T2-030338	CR 23.140 Addition of IEs that currently exist in MM1/MM4 but not in MM7	Nokia	Rel6

Discussion: It was mentioned that the associated scheme wasn't in this CR and that a note should be included. A note was added to the CR template header.

Conclusion: Approved.

Tdoc	Title	Source	Comment
T2-030292		Openwave	

Discussion: This document was reviewed

Conclusion: Noted.

Tdoc	Title	Source	Comment
T2-030342		Openwave	

Discussion: This document was reviewed

Conclusion: Noted.

Tdoc	Title	Source	Comment
T2-030303	CR 23.140 Addition of Service Code for MM7_delivery.REQ	Nokia	Rel6

Discussion: It was expressed that according to the original understanding of the service code, it would not be understood and recognized by the MMS R/S, and it would be passed to the billing system. This CR changes that thought. Nokia expressed the reason it need to be in the forward direction to the VASP, is the same reason as it is needed from the VASP to the MMS R/S. This response didn't satisfy those asking the question. It was mentioned that this type of service code could drive the MM7 interface to be proprietary. Nokia expressed that its just the opposite case, that it eliminates proprietary solutions. Vodafone was asking for use cases, and without them, they would have to object to the idea in principal. Nokia mentioned there are different use cases, but none detailed at

this time, and is anticipating future needs. It was generally agreed that such an IE is needed in both directions, but not the 'service code', a new IE.

This new IE would be vendor specific and extensible. This is necessary because SOAP doesn't allow extensions unless the scheme clearly defines such a point. It was expressed that such a mechanism only allows proprietary extensions, and this may have undesirable consequences. In response, it was said that proprietary solutions can currently be done with MM7, but it was made clear that it wouldn't be conformant with MM7.

Conclusion: Noted, but the CR is to be rewritten, and to include a note that proprietary solutions are not desirable. The new CR is in T2-030343.

Tdoc	Title	Source	Comment
T2-030343	CR 23.140 Addition of Service Code for MM7_delivery.REQ	Nokia	Rel6

Discussion: None.

Conclusion: Withdrawn, but the original T2-030303 will be resubmitted with a new document number for the next T2 meeting.

Tdoc	Title	Source	Comment
T2-030320	CR 23.040 Missing SMSs over MSC	Ericsson	Rel99

Discussion: Nokia made reservations upon asking for approval. It was asked if it could be conditionally approved. Yes, it could.

Conclusion: Conditionally approved. But after further investigation, this document was approved.

Tdoc	Title	Source	Comment
T2-030322	CR 23.040 Missing SMSs over MSC	Ericsson	Rel5

Discussion: Nokia made reservations upon asking for approval. It was asked if it could be conditionally approved. Yes, it could.

Conclusion: Conditionally approved. But after further investigation, this document was approved.

Tdoc	Title	Source	Comment
T2-030323	CR 23.040 Missing SMSs over MSC	Ericsson	Rel6

Discussion: Nokia made reservations upon asking for approval. It was asked if it could be conditionally approved. Yes, it could.

Conclusion: Conditionally approved. But after further investigation, this document was approved.

Tdoc	Title	Source	Comment
T2-030347	CR 23.140 Correction to RFC2821 reference	MCC	Rel6

Discussion: It was asked if this CR is needed for Rel4 and Rel5. Yes, this was agreed. T2-030348 will be for Rel4 and T2-030349 for rel5.

Conclusion: Approved

Additional Work Item(s):

Tdoc	Title	Source	Comment
T2-030334	3GPP TSG-T2 and 3GPP2 TSG-X MMS Ad hoc Joint Discussions – May 13, 2003	T2 Secretary	

Discussion:

Conclusion: Noted.

Tdoc	Title	Source	Comment
T2-030345	SWG3 conclusions on interoperability issues with 3GPP2.	SWG3	

Discussion: The document was presented by the SWG3 chair, and one of the first questions posed was whether 23.140 should be split into more functional parts. The T2 chair stated his thought that this shouldn't be done for Rel6 because there is enough work to be done for Rel6. A few agreements were made and documented.

Conclusion: Noted

Annex A – Complete Document List

Colour coding:

PROCESSED COMPLETELY (e.g. approved) - OUTPUT TO T2

PROCESSED COMPLETELY (e.g. noted/approved) – NO OUTPUT TO T2

PENDING / ACTION

ACTIVELY POSTPONED AFTER DISCUSSION

NOT DISCUSSED YET

TDoc	Title	Source	Status in SWG3	Comment
T2-030026	LS from SA1 on MM7 functionality enhancements requested by GSMA SERG	S1-030268	noted	Postponed from T2#20
T2-030213	LS from RAN2 on Cell Broadcast Download data parameters	R2-030621	noted	for presentation
T2-030214	LS from RAN3 on Clarification on "Restriction of Service Area List"	R3-030353	noted	
T2-030217	LS from T3 on Cell Broadcast Download data parameters	T3-030143	noted	for action
T2-030218	LS from OMA IOP WG to T1 cc T, T2 on common test specifications for applications and services	OMA-TP-2002-0133-resp to 3GPP T1	noted	for presentation
T2-030219	LS from SA5 to T2 cc GSMA BARG CPWP, SA, T on Alignment of MMS Message Size definition	S5-034160	noted	for presentation
T2-030223	LS from ETSI AT-F - Proposal for Interconnection between a FSMSC and SMSCs/FSMSCs in other networks	ETSI/AT(03)TD16 R00	noted	for action
T2-030224	LS from ETSI TC AT-Features on MMS for PSTN/ISDN	ETSI / AT-F TD18 (SP-030167)	noted	for action
T2-030231	LS from SA1 on SMS/MMS Interworking from WLANs	S1-030535	noted	for action

T2-030232	LS from SA1 on GSMA CPWP proposed additional charging requirement to be added in TS 22.115	S1-030492	noted	for presentation
T2-030233	LS from SA1 on Cell Broadcast Download data parameters	S1-030463	noted	for presentation
T2-030234	LS from SA1 on MMS in SIM Card	S1-030544	noted	for action
T2-030235	LS from SA1 on terminal MMS capability discovery prior MM notification	S1-030555	noted	for action
T2-030237	LS from SA5 on sending the SGSN's MNC and MCC to the GGSN and service nodes	S5-034249	noted	for presentation
T2-030238	LS from SA5 on Roaming Awareness	S5-034256	noted	for presentation
T2-030280	agenda SWG3 Messaging at T2#21	SWG3 Chair	noted	revised in T2-030310
T2-030281	report of SWG3 Messaging at T2#21	SWG3 Chair	open	
T2-030282	CR on 23.040 rel-5 SMS operation over GPRS	Ericsson	noted	
T2-030283	CR on 23.040 rel-6 SMS operation over GPRS	Ericsson	noted	
T2-030284	CR 23.040: Reserved values in TP-Status	Siemens	approved	
T2-030285	MMS and IMS Messaging	Openwave	noted	
T2-030286	CR 23.140 REL-4 Updating WAP references to OMA references	Siemens	noted	
T2-030287	CR 23.140 REL-5 Updating WAP references to OMA references	Siemens	noted	
T2-030288	CR 23.140 REL-6 Updating WAP references to OMA references	Siemens	noted	
T2-030289	CR 23.140 REL-6 Support for DRM in MMS	Siemens	noted	
T2-030290	CR 23.140 REL-6 Other the air provisioning in MMS	Siemens	noted	
T2-030291	CR 23.140 REL-6 Adding status value "unreachable" to delivery reports	Siemens	noted	
T2-030292	MMS Harmonization Presentation	Openwave	noted	
T2-030293	Extending MM7 Connectivity Beyond a Single MMS Environment	Ericsson	noted	conclusion = SWG3 working assumption
T2-030294	Charged Party ID	Ericsson, CMCC	noted	
T2-030295	CR 23.140 Rel-6: Charged Party ID	Ericsson, CMCC	noted	
T2-030296	Extension of MM4 interface for delivery report	Ericsson, CMCC	noted	
T2-030297	CR 23.140 Rel-6: Extension of MM4 interface for delivery report	Ericsson, CMCC	noted	
T2-030298	CR 23.140 Rel-6: Inaccuracies in Annexex I & K	Ericsson	postponed	
T2-030299	CR 23.140 REL-6 Addition of IEs that currently exist in MM1/MM4 but not in MM7	Nokia	noted	

T2-030300	CR 23.140 REL-6 Addition of information regarding encrypted or obfuscated address in MM7	Nokia	noted	
T2-030301	CR 23.140 REL-6 Addition of IMSI information to MM7 reference point	Nokia	noted	
T2-030302	CR 23.140 REL-6 Addition of Service Provider Identification to the MM7 reference point	Nokia	noted	
T2-030303	CR 23.140 REL-6 Addition of Service Code for MM7_delivery.REQ	Nokia	noted	
T2-030304	withdrawn	withdrawn	withdrawn	withdrawn
T2-030305	CR 23.140 Rel-6: Expansion of the X-Mms-MM-Status-Code "reject", in the MM4_Delivery_report.REQ	Ericsson, CMCC	noted	
T2-030306	CR 23.140 REL-6 Addition of User Agent Profile information to MM7_deliver.REQ	Nokia	postponed	
T2-030307	CR 23.140 Rel-6: Clarification of the definition of message size	LogicaCMG	postponed	
T2-030308	proposed revised MMS Enhancements WID (Rel-6)	T-Mobile, Vodafone, AWS, Telefonica, TIM	noted	
T2-030309	MMS Rel-6 WID supporting companies	T2 chairman	noted	
T2-030310	agenda SWG3 Messaging at T2#21	SWG3 Chair	approved	revised T2-030280
T2-030311	MMS Rel-6 WID supporting companies	SWG3 Chair	noted	revised T2-030309
T2-030312	Revised MMS Rel-6 WID	SWG3	approved	revised T2-30311
T2-030313	MMS Rel-6 WID supporting companies	SWG3 Chair	noted	
T2-030314	reply-LS to ETSI AT-F on Proposal for Interconnection between a FSMSC and SMSCs/FSMSCs in other networks	rapporteur of 23040	approved	reply to T2-030223
T2-030315	reply-LS to RAN3 on Clarification on "Restriction of Service Area List"	rapporteur of 23041	approved	reply to T2-030214
T2-030316	reply-LS to SA1, SA2, CN1, OMA-MAG-Push, cc OMA-MAG, CN4 on SMS/MMS Interworking from WLANs	Nokia	approved	reply-LS to T2-030231
T2-030317	withdrawn	withdrawn	withdrawn	withdrawn
T2-030318	reply-LS to SA1, CN4, OMA MAG, OMA IMPS, OMA REQ, cc SA2, SA, T on terminal MMS capability discovery prior MM notification	Nokia	approved	reply-LS to 235
T2-030319	MMS prepaid solution	Huawei	postponed	
T2-030320	CR on 23.040 R'99 SMS operation over GPRS	Ericsson	approved	revised T2-030282, revised T2-030283
T2-030321	CR on 23.040 rel-4 SMS operation over GPRS	Ericsson	approved	revised T2-030282, revised T2-030283

T2-030322	CR on 23.040 rel-5 SMS operation over GPRS	Ericsson	approved	revised T2-030282
T2-030323	CR on 23.040 rel-6 SMS operation over GPRS	Ericsson	approved	revised T2-030283
T2-030324	LS to CN4 on SMS operation over GPRS	Ericsson	approved	
T2-030325	CR 23.140 REL-4 Updating WAP references to OMA references	Siemens	approved	revised T2-030286
T2-030326	CR 23.140 REL-5 Updating WAP references to OMA references	Siemens	approved	revised T2-030287
T2-030327	CR 23.140 REL-6 Updating WAP references to OMA references	Siemens	approved	revised T2-030288
T2-030328	withdrawn	withdrawn	withdrawn	withdrawn
T2-030329	CR 23.140 REL-6 Support for DRM in MMS	Siemens	approved	revised T2-030289
T2-030332	LS from BARG on roaming awareness	BARG	noted	
T2-030334	Report from informal 3GPP TSG-T2 and 3GPP2 TSG-X discussions on potential MMS interoperability issues	T2 Secretary	noted	
T2-030335	LS to SA2, cc SA1, CN1 on MMS and IMS Messaging	Openwave	approved	T2 approved during meeting
T2-030336	CR 23.140 Rel-6: Extension of MM4 interface for delivery report	Ericsson	noted	revised T2-030297
T2-030337	CR 23.140 Rel-6: Extension of the X-Mms-MM-Status-Code "reject", in the MM4_Delivery_report.REQ	Ericsson	approved	revised T2-030305
T2-030338	CR 23.140 REL-6 Addition of IEs that currently exist in MM1/MM4 but not in MM7	Nokia	approved	revised T2-030299
T2-030339	CR 23.140 REL-6 Over the air provisioning in MMS	Siemens	approved	revised T2-030290
T2-030340	CR 23.140 REL-6 Addition of information regarding encrypted or obfuscated address in MM7	Nokia	approved	revised T2-030300
T2-030341	CR 23.140 REL-6 Addition of SPI to MM7 reference point	Nokia	approved	revised T2-030301 and T2-030302
T2-030342	MMS Standards Reference	Openwave	noted	
T2-030343	withdrawn	withdrawn	withdrawn	withdrawn
T2-030344	CR 23.140 Rel-6: Charged Party ID	Ericsson	approved	revised T2-030295
T2-030345	SWG3 conclusions on interoperability issues with 3GPP2	SWG3 Chair	noted	
T2-030346	T2 SWG3 activities	SWG3	approved	
T2-030347	CR 23.140 REL-6 correction of RFC 2821 reference	MCC	approved	
T2-030348	CR 23.140 REL-4 correction of RFC 2821 reference	MCC	approved	
T2-030349	CR 23.140 REL-5 correction of RFC 2821 reference	MCC	approved	

	reference			
T2-030350	not used	n.a.	not used	
T2-030351	not used	n.a.	not used	
T2-030352	not used	n.a.	not used	
T2-030353	not used	n.a.	not used	
T2-030354	not used	n.a.	not used	

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