Draft T2#19 Report V 0.3 (2002-11)

3rd Generation Partnership Project (3GPP);
Technical Specification Group Terminals (TSG-T);
Working Group 2 Mobile Terminal Services and Capabilities;
Draft Meeting Report
T2#19
Bundang, South Korea, 18-22 November 2002

Contents

Chairman: Ian HARRIS (Teleca Ltd.)

Secretary: Friedhelm RODERMUND (ETSI MCC)

1   Opening Plenary

1.1   Opening of the meeting

T2 chairman Ian HARRIS (Teleca Ltd.) opened the meeting and welcomed the delegates. Joon RYU (Samsung) welcomed the delegates to South Korea on behalf of the host Samsung and explained the logostic and organizatonial details.

1.2   Approval of the agenda and schedule

The agenda and schedule in **T2-020816** was presented and approved.

1.3   Notification of IPR Obligations

The chairman made the call for IPRs. **T2-020817** 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   Report of the last T2 meeting

The report of T2#18, Velen, Germany, 12-16 August 2002 (**T2-020815**) was approved.

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

ftp://www.3gpp.org/TSG_T/WG2_Capability/TSGT2_18/Report

1.5   Reports from other groups

1.5.1   Report from TSG T

A summary of issues of T2 interest from T#17 meeting held on Biarritz, France, 4 - 6 September 2002 was presented by Friedhelm RODERMUND in **T2-020820**:

All T2 CRs were approved unchanged except CR 011 to 23.041 which was revised (reference changed from 22.101 to 23.040) and approved.

MMS

The WID on MMS enhancements in TP-020206 was approved. Since MMS has a very large application oriented content which could potentially lead to an overlap with OMA, Ericsson proposed to review the

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work item and prioritze the included items, and do an analysis on what is bearer dependant and what is bearer independent.

In their LS in TP-020236 from on MMS Parameters on the USIM, T3 proposed a revised version of the CR84 to 23.140 (T2-020799) where the section on the Connectivity Parameters has been modified to reflect T3 specification, and the section 6.1.11 makes the use of the USIM information mandatory. A long discussion took place if T should approve the revised CR at T#17, or let T2 review it first. Finally, all T2 CRs were approved unchanged. T2 should study T3's LS at their next meeting and try to resolve this urgent issue in a timely manner. T3 experts are invited to T2's meeting.

Regarding the 3GPP-3GPP2 MMS harmonisation, T2 was advised to use the existing mechanisms for cooperation with 3GPP2. There is an existing liaison relation and it is possible to invite 3GPP2 experts to T2 meetings. In case a 3GPP2 company is not a 3GPP member, they can join meetings as guests. Any LSs from 3GPP to 3GPP2 should be copied to TSG-T.

Directory number support in MMS: T2 should use the stage 1 requirements from 22.101 to look at this at their next meeting.

CRs to TS 11.11 and TS 51.011. CR015 51.011 Rel-4 (TP-020218) on the introduction of MMS files and procedures in the SIM was approved subject to SA's decision.

DRM: A presentation on Mobile DRM for MMS was made by Beep Science. The concerns on DRM were mentioned in the TSG-T report to SA in order to ensure that the work is progressing in a timely manner.

SMS

Short message type 0: After discussion of the LSs from T1 and T2, the related T1 CR (CR 309 to 34.123-1 in TP-020193) was approved unchanged.

The LS from T2 to T on TP-PID vs. TP-DCS priority (TP-020199) concluding that there is no unique way to declare priority for either of the parameters TP-PID or TP-DCS was noted.

OMA

Peter Neumann reported from the OMA Rome meeting. It was agreed to reflect the discussion and concerns in the report from TSG-T to SA, and an LS was agreed to OMA asking about the status of the ongoing MMS MM1 stage 3 work (TP-020258).

GUP

TP-020239 is a discussion document on thoughts on the T2 compromise regarding GUP XML schema from Siemens. It proposes to prevent the standardization of two equivalent 3GPP XML schema mechanisms for the same purpose. The document was noted and T2 will resolve this issue at their next SWG2 meeting dedicated to GUP in October.

MExE

T endorsed the Short-Term Recommendations proposed by T2 in TP-020197:

1. With respect to TP-020017, "MExE Release 6 Improvements and Investigations," we recommend that after a way forward in the area of an execution environment has been developed and approved, 23.057 should be frozen and no new functionality, only F CRs be accepted to 23.057.

2. With respect to TP-020086, the RTIF Feasibility Study, the work will be completed and the technical report will be issued.

The consensus in T was that unbundling of 23.057 features is desirable, and T2 should study along the lines described in TP-020197.

The TR 22.857 Runtime Independent Framework Feasibility Study was presented for information.

AT commands

Two reply LSs were received from GERAN and RAN2 on the LS from GSMA TWG on unclear standardisation of AT command +WS46. TSG-T supported the GERAN proposal to have a high level switch for 3GPP keeping only "AT+WS46 = 12. A reply LS was approved by TSG-T in TP-020255 and

sent to T,T2,SWG2 to give AT experts a chance to alarm TSG-T in case there are any problems with the proposed way forward.

Other issues:

T1 has contacted OMA on common test specifications for applications and services (TP-020240).

The draft TSG-T#17 meeting report can be found in **T2-020821**.

The documents can be found on the FTP server at:

ftp://ftp.3gpp.org/TSG_T/TSG_T/TSGT_17

The specifications updated after T#17 can be found at:

ftp://www.3gpp.org/Specs/2002_09

The report was noted.

1.5.2   Report from TSG SA

A summary of issues of T2 interest from SA#17 meeting held on Biarritz, France, 9 - 12 September 2002 was presented by Friedhelm RODERMUND in **T2-020820**:

DRM

SP-020581 on DRM consolidation provided a description of the DRM work in OMA, and reported that OMA has developed and published a first DRM specification for "basic" DRM, and has just started work on a second phase for "comprehensive" DRM. During the TSG-SA meeting, it was generally agreed that using the work already performed by OMA was desirable, if it fulfilled the requirements developed by SA1. A LS to OMA was produced in SP-020626 to inform them of the desire of 3GPP to utilise their DRM work instead of producing own 3GPP stage 2 and stage 3 documents. Furthermore, the LS proposes that OMA reviews TS 22.242 DRM stage 1 and advises TSG-SA of anything which cannot be achieved.

GUP

SP-020539, the updated GUP WID was approved. Regarding the discussion about splitting the T2 tasks into a separate WID, the TSG-SA Chairman stated that each TSG should have a WID for its own tasks. It was noted that the given dates for T2 deliverables in the WID are out of date.

SP-020568 TS 22.240, Version 1.0.0 on Generic User Profile (GUP) was presented for Information. It is Intended to present it in at the TST meetings in December for approval.

SP-020514, a new work item on 3GPP Generic User Profile Security was approved.

MMS

SP-020454 Rel-4 CRs 32.235 contains CR 005 on Multimedia Message size which was approved. It was noted that cover sheet is misleading since it claims to be an alignment with the original proposed T2 definition.

SP-020455 Rel-5 CR 32.235 Support for Network Persistent Storage in MMS charging was approved.

SP-020553 Release 5 CR to 22.140 on Removal of SMS and USSD as possible bearers for MMS was approved.

SP-020598 Release 6 CRs to 22.127 on OSA contains CR 051 adding a new OSA network function to handle multi-media messaging using OSA interfaces. The CR was approved.

SP-020595 WID MMS enhancements was presented for information to TSG-SA as part of the TSG-T presentation. TSG-SA noted that CN WGs (in particular CN1) should be involved in the considerations of any interaction with the IMS. Comments were received that the WID was not well written since it doesn't clearly define the scope of the intended work but instead only refers to "considerations and investigations". The TSG SA Chairman suggested that companies think about which enhancements were of benefit for

Rel-6. Any appropriate clarification or modification to the WID should be taken into TSG-T. SA WG1 were asked to produce a WID to elaborate the appropriate requirements for MMS Enhancements, in order that TSG T can focus their WID to these identified service requirements.

SP-020586 LS from SA1 on Discussion on MMS configuration information. TSG-SA agreed to include MMS configuration parameter storage in the Rel-4 SIM. The support of the fields is optional for in the Rel-4 ME. It was agreed that SA1 should provide CRs for this. The related conditionally approved T3 CR 51.011 015 can be considered as finally agreed.

UEM

SP-020608 Rel-6 OAM-UEM Building Block-level WID (User Equipment Management) from SA WG5 was approved. T2 has second responsibility for this work item. Prem SOOD reported that a draft WID for the T2 work on UEM has been produced and that four supporting companies are needed

SP-020514 new Work Item on Release 6 User Equipment Management Security aspects was approved.

Other work items:

SP-020567 TR 22.940, Version 1.0.0 on IMS Messaging was presented for Information.

SP-020578 WID on Feature Interactions Requirements was approved. It was clarified that this WI was related to the interaction between 3GPP services. It was reported that some work had already been performed in T2 and SA1 were asked to take this into account.

SP-020557 TS 22.101 CR 104 Rel-6 Removal of implementation details for directory number in SMS and other services was approved.

SP-020571 TS 22.174, Version 2.0.0 on Push Service for Approval. This TS was approved as version 6.0.0 (Rel-6).

SP-020538 TS 23.141 v.1.0.0 on Presence was approved as version 6.0.0 (Rel-6).

During the discussion of the CN report in SP-020590, the matter SMS over GPRS was debated. TSG-SA agreed that support of SMS over GPRS shall be mandatory in the network. TSG-CN were invited to consider developing a "graceful" solution for Rel-6 including some fall-back/error-handling solution to 09.94 and/or 09.95, in case the functionality had not yet been provided in a network.

The draft TSG-T#17 meeting report can be found in **T2-020822**.

The documents can be found on the FTP server at:

ftp://ftp.3gpp.org/TSG_SA/TSG_SA/TSGS_17

The report was noted.

1.5.3   Report from TSG T2 SWG1

No SWG1 meeting took place since the last T2 meeting.

1.5.4   Report from TSG T2 SWG2

The SWG2 chairman Prem SOOD (Sharp) reported from the T2 SWG2 meeting on GUP/DDF and Common object 8-10 October in Atlanta, US hosted by North America Friends of 3GPP. The report can be found in **T2-020898**.

Proposed changes to GUP stage 1 22.240v1.0.0 for sending to SA1 were made and attendees were asked to review certain changes which were discussed and not resolved. A number of incoming docs related to the re-organization of 23.241, GUP XML Schema, DDF Data Descriptions specs were reviewed. Regarding 23.241 re-organization - while there is a consensus on the need for improvement, the improvement work must follow the decision on the technical direction. There was very informative and detailed discussion on the all the areas, GUP XML Schema and Data Description. It is proposed that a new TR be generated on the requirements for representations of data and a study of the alternatives (e.g.,

DDF, GUP XML Schema). A draft split-WID for T2-GUP work was shown for information and will be discussed at this T2 meeting.

1.5.5   Report from TSG T2 SWG3

No SWG3 meeting took place since the last T2 meeting.

1.5.6   Report from TSG T2 SWG2 / SA5, GUP/UEM/SuM – 20th August - Tampere

The SWG2 chairman Prem SOOD (Sharp) reported from the TSG T2 SWG2 / SA5, GUP/UEM/SuM – 20th August – Tampere, Finland, hosted by Sonera. The report can be found in **T2-020907**. Topics discussed at this meeting included, Subscription Management, Generic User Profiles/Data Description Framework, User Equipment Management.

1.5.7   Report from TSG T2 SWG2 / SA5, UEM - 8th October - Atlanta

The SWG2 chairman Prem SOOD (Sharp) reported from the SG T2 SWG2 / SA5, UEM - 8th October - Atlanta, US hosted by ATTWS . The report can be found in **T2-020897.**

Topics discussed at this meeting included User Equipment Management, Generic User Profiles/Data Description Framework.

It was noted that OMA seems to have a work item on Device Management. An LS was sent from SA5 to OMA on this.

1.5.8   Report from TSG T2 SWG3 / SA5 SWG-B/GSMA BARG CPWP, MMS charging - 19th August – Tampere

The SWG3 chairman Josef LAUMEN (Siemens) reported from the TSG T2 SWG3 / SA5 SWG-B/GSMA BARG CPWP, MMS charging - 19th August – Tampere. The report can be found in **T2-020937**.

The MMS discussion size is now obsolete since a decision has been made by SA. However, T2 still has to align 23.140.

Josef reported from Hendrik THUVESSON's email reporting some new comments from the SA5/T2/BARG JM-meeting chairman after meeting in Tampere, see below.

> SA5 is satisfied with the 23.140 CR on mandatory retrieval acknowledgement (T2-020602). Relating to the discussion on the pre-paid solution for MMS the SA5 group prefer a solution based on the Ro specification to CAP based solution. The Ro Interface is now specified in TS 32.225-500 and ready to used in IMS. This interface should be used as the preferred interface for online charging in Rel-6 for all new services. In the old CS and PS domain the CAP (CAMEL) interface is used for PrePaid Charging. So, the question to T2 is how can this introduce into the architecture, means the MM8 interface (Offline Charging) is defined for the CDR transfer to the Billing System and for PrePaid/Online Charging a new interface e.g. MM9 should be defined.

1.5.8   Open Mobile Alliance (OMA)

It was reported that four LSs from approved at the OMA Hawaii meeting the week before T2#19 are on their way to 3GPP.

1.6   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_19_Bundang/Docs

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1.7   Incoming Liaison Statements:

The LSs below were treated during the opening plenary. All other LSs were forwarded to the SWGs as shown in document list in Annex A.

T2-020831 is an LS from SA1 on Speech Enabled Services. The LS was noted.

T2-020836 is an LS from T3 on Subscriber Certificates. The LS was noted.

1.8   3GPP Work Plan

The latest version of the 3GPP work plan was available in **T2-020823**. 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 at this meeting and Friedhelm RODERMUND will consult with the SWG chairs for creating the update.

T2-020818 contains the list of TSs and TRs for which T2 is responsible. The document was noted.

T2-020824 contains an overview about all work items T2 is working on and for which T2 has a prime or secondary responsibility. It was updated incorporating some comments related to UEM and GUP in **T2-020826**.

2   Subgroup Meetings

Between T2 opening and closing plenary, three sub group sessions (SWG1, SWG2, SWG3) were held. The reports can be found in Annexes D-F. The results may have been changed and amended during the closing plenary. The final results of the T2#19 meeting are reported in the following clauses.

3   Closing Plenary

3.1   Results SWG1 Execution Environment

SWG1 chairman Lars BRENK (TTPCom) presented the SWG1 report in **T2-020876.** The report can be found in Annex D.

It was decided that SWG1 will from now on become dormant. SWG1 meetings will only be scheduled if there are input documents and they cannot be dealt with through the SWG1-email reflector.

If contributions are being planned for a face to face meeting, the topic has to be notified on the agenda and distributed on the email reflector at least 3 weeks before the actual meeting.

The work on the Runtime Independent Framework (RTIF) feasibility study was continued and concluded.

T2-020879 contains TR 22.857 V1.0.1 Runtime Independent Framework Feasibility Study which is proposed for submission for approval to TSG-T for Release 6. It was agreed to submit it for approval to TSG-T. The T2 chairman expressed his thanks to the SWG1 chairman and SWG1 for all the work done.

3.2   Results SWG2 Terminal Interfaces and Capabilities

The SWG2 report in **T2-020991** was presented by SWG2 chairman Prem SOOD (Sharp). The report can be found in Annex E.

Topics discussed at this meeting included, Generic User Profiles, User Equipment Management AT Commands, various Liaison Statements. A consensus Data Description Method (DDM) proposal was agreed unanimously (description in T2-020985).

For the proposed work item on User Equipment Management, four supporting companies were identified but only two could promise any commitment for work. Furthermore, no rapporteurs were found for TS 27.150 UEM Protocol Specification and the TR for the GAP Analysis. Therefore the SWG2 decision was that this draft WID could not be sent to T2 for approval. SWG2 requested T2 to communicate this T2 UEM WID status to the next TSG-T, for TSG-T to either find the commitment of support, or failing this, to inform TSG-SA of the lack thereof.

T2-020908 and **T2-020909** describe operator-desired use cases for GUP and DDM. These use cases serve the function of validating that the design which is developed will be usable for the use cases as a minimum, and that the use cases will be the first applications. The attention of operator members is drawn to these documents, and they are requested to review and contribute to the further definition of the use cases.

T2-020919 contains a CR to 27.007 R99 on clarification in the behaviour of AT+CGCLASS. The current modes of operation listed under the AT+CGCLASS command are incompleted, only the names of the UE modes of operation in A/Gb (GERAN) mode are included. Besides other changes, a clarification is added explaining that the modes of operation are applicable to GERAN and UTRAN modes. Friedhelm RODERMUND reminded that SA advised all WGs to accept only R99 CRs which have a big system impact. A technical error was noted in the reason for change and the CR was revised to **T2-020993** and agreed.

T2-020972 contains a CR to 27.007 Rel-4 on clarification in the behaviour of AT+CGCLASS. The CR was revised to **T2-020994** and agreed.

T2-020973 contains a CR to 27.007 Rel-5 on clarification in the behaviour of AT+CGCLASS. The CR was revised to **T2-020995** and agreed..

T2-020974 contains a CR to 27.007 Rel-6 on clarification in the behaviour of AT+CGCLASS. The CR was revised to **T2-020996** and agreed.

T2-020990 contains a CR to 27.007 R99 on clarification in the behaviour of AT+WS46. Clarification is given in the <n> parameter value 12 in AT+W46, instead of being applicable for "GSM digital celular" shall be applicable for all "3GPP systems". The values 22 WCDMA and 25 GPRS are not used. The CR was agreed.

T2-020976 contains a CR to 27.007 Rel-4 on clarification in the behaviour of AT+WS46. The CR was agreed.

T2-020977 contains a CR to 27.007 Rel-5 on clarification in the behaviour of AT+WS46. The CR was agreed.

T2-020978 contains a CR to 27.007 Rel-6 on clarification in the behaviour of AT+WS46. The CR was agreed.

T2-020980 contains a draft WID on the 3GPP Generic User Profile Data Description Method. The purpose of this particular WI description is to describe the responsibility of 3GPP TSG T2 related to data organization and structuring for the GUP data model required by TSG SA1. Paul VOSKAR (Nokia) thanked Bo JOHANSSON (Ericsson) for the work done and that it was possible to find a good agreement on this matter. The WID was revised to **T2-020992** and agreed.

T2-020971 contains a LS to SA1 with T2 change proposals to 22.240v1.1.0 GUP stage 1. It was reported that the stage 1 will not yet be send for approval to TSG-SA in December but probably in March next year. Delegates were reminded to remove the word "draft" from LS titles and filenames for the closing plenary. The LS was agreed.

T2-020981 contains a LS to SA1 and SA2 on GUP Requirements - UE Data access and backward compatibility. It is asking SA1 and SA2 to review the T2 proposed GUP requirements on local access to local GUP data in the UE and stepwise introduction of GUP and consider them for inclusion in TS22.240. The LS was agreed.

T2-020982 contains a LS to SA2 on the GUP information model. It asks SA2 to review the current T2 view of the GUP Information model and give feedback to T2. The LS was agreed.

3.3   Results SWG3 Messaging

The report of SWG3 was presented in **T2-020921** by Josef LAUMEN and can be found in Annex F.

After reviewing several LSs received on the topic MMS support for USIM: SWG3 concluded that there seems to be a contradiction between the statements / matrices in the LS from SA1 and the attached CR to 22.140. In addition, T2 discussed whether there is a contradiction with the decision taken at SA#17 and seeks clarification from SA1 and SA in LS T2-020958. Hence, a REL-4 CR could not be approved; waiting for clarification from SA1/SA. However, a REL-5 CR to 23.140 was approved in T2-020946 (MMS UA behaviour regarding the MMS parameters on the (U)SIM).

Still there was concern that this latter CR is binding an MMS User Agent (application) to the ME (hardware). So far, MMS User Agent was designed and defined just as an application independent of the device where it would be used. This CR prohibits the use of Rel-5 MMS User Agents on devices, which are not aware of (U)SIM or can not use (U)SIM. SWG3 requested to report this concern to TSG-T.

T2-020946 contains a CR 23.140 Rel-5 MMS UA behaviour regarding the MMS parameters on the (U)SIM. This CR reflects the use of the MMS related information by the MMS User Agent as mandatory if the parameters are present on the (U)SIM. The CR was agreed.

T2-020943 contains a CR 23.140 Message Size. The size of a message is defined as the total length, in octets, of the Subject information element and of all the Media Objects, including the Presentation media object (e.g. SMIL).The CR was agreed.

T2-020952 contains a CR 23.140 REL-5 Corrections to MM7 XML Schema and examples. The CR was agreed.

T2-020955 contains a CR 23.140 Version Handling on MM4. At the moment there is no clear definition of the version handling over the MM4 Interface. The CR was agreed.

T2-020957 contains a CR 23.140 REL-6 Addition of support for "Bcc" field in the MM4 reference point. he "Bcc:" header is added to the list of allowed recipient headers. Also, some normative guidance on its usage is included to prevent potential IOP problems. It is intended to present this CR also for earlier releases at the next meeting. The CR was agreed.

T2-020944 contains a LS to SA1 on Directory Number in MMS REL-6. T2 asks SA1 to clarify in which text component parts of an MM (e.g Subject field, text attachments) it was intended to identify a directory number and respectfully points out that the wording as currently stated in 22.101 may need further clarifying in this respect for the MMS use case. T2 asks that SA1 provides these additional details of the requirement in CRs to 22.140, MMS stage 1. The LS was agreed.

T2-020947 contains a LS to SA5, cc SA and BARG on MM size definition. After thorough analysis T2 identified a need to clarify ambiguities in SA5's definition which are due to the MMS message format – still in-line with the principles behind SA5's current definition. T2 kindly asks SA5 to change TS 32.235 REL-4 such that it copies the MMS Message Size definition specified in TS 23.140 REL-5. Furthermore, T2 kindly asks SA5 to make the 32.235 REL-5 and future releases to refer to the definition in 23.140 REL-5. The LS was agreed.

T2-020948 contains a LS to SA1, OMA-MWS, GSMA SERG, cc OMA-REQ, OMA-MMDC, OMA-LCS, SA5 on Enhancements to Provide Additional Functionality On The MM7 Interface. The LS was agreed.

T2-020949 contains a LS to SA1 on OSA support for MMS. For the future, the chairman suggested not to have the actions in the explanatory text but only in the action section. The LS was agreed.

T2-020950 contains a LS to SA2 cc T3 and RAN2 on the new Area Event location service. T2 asks SA2 to follow the recommendation reached at T2; that the LCS (terminal) based solution, described in the CR S2-022936, should be used for the new Area Event location service. The LS was agreed.

T2-020951 contains a LS to SA1 cc SA2, SA5, CPWP on Roaming Awareness. T2 requests SA1 to work on Stage 1 requirements on MMS Roaming Awareness to cope with CPWP indications. Furthermore, T2 asks SA5 to update their MMS Charging specification, 32,235, to reflect MCC/MNC in MMS CDRs – subject to SA1's requirements being available. The LS was agreed.

T2-020956 contains a LS to SA5 on answering questions from the MMS presentation at the JM. During the joint meeting on MMS Charging, a number of questions/comments from SA5 and GSMA BARG CPWP on the MMS presentation (S5-024336) were collected for T2 SWG3 reviewing, completion and possibly for corrections or updates. The LS was agreed.

T2-020958 contains a LS to SA1 and SA, cc T3 on agreed matrices of ME/SIM ME/USIM combinations for MMS service and Releases. SA and SA1 are asked to provide clarification on the issue since the recommendations made are not sufficient. The LS was agreed.

4   Future meeting schedule

T2-020825 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#18	4 - 6 Dec 2002	New Orleans, US	NA Friends of 3GPP
SWG2_03 GUP	16–18 Jan, 2003	San Francisco, US	AT&T WL
T2#20	20 - 24 Jan 2003	San Francisco, US	AT&T WL
JM with SA5 on GUP and UEM tbc	Feb 21, 2003	USA Phoenix?	
T#19	12 - 14 Mar 2003	Birmingham, UK	
T2#21	12-16 May 2003	San Diego (tbc), US	American Friends of 3GPP
T#20	4 - 6 Jun 2003	Hämeenlinna, Finland	Nokia
T2#22	25-29 Aug 2003	Cambridge	TTPCOM
T#21	17 - 19 Sep 2003	Germany	
T2#23	17-21 Nov 2003		host needed
T#22	10 - 12 Dec 2003	US	

For the complete 3GPP on-line meeting calendar see http://www.3gpp.org.

Companies were invited to consider hosting future T2 meetings.

5   Any Other Business

For reducing the time spent on incoming LSs at future meetings, a new procedure was agreed. The T2 secretary volunteered to pre-process all incoming LSs and propose which LSs should be noted and which LS should be treated at the meeting. The LS to be noted would not be presented in the meeting unless somebody expresses the wish to do so.

T2-020892 contains a late incoming LS from T1 to OMA IOP cc T, T2, OMA TP, GSMA TWG, GCF SG on common test specifications for applications and services. Nokia supported the idea of getting some guidance from OMA IOP as very useful since the presented concerns are valid. The LS was noted.

T2-020915 contains a document on GPRS and CS attributes. The first draft compiling the GPRS and CS attributes required for MMS-Datacom configuration in the UE are given and described together with the required datatypes. Ericsson invited delegates to have a look at this document to bring comments back to Olga TOME.

It was noted that this was the last meeting of Alan CHAU (Nokia) who has been an active member of T2 since a long time: The chairman thanked him for all his valuable work done in T2.

Delegates were advised about a fireman strike in Heathrow on the 2nd Dec. Delegates traveling to the TSG meetings in New Orleans were advised to avoid traveling via this airport.

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 Samsung for hosting the meeting (and the nice Karaoke night!) and TTA for the excellent facilities. He expressed special thanks to Joon RYU and the team from Samsung and TTA for their excellent support.

Annex A List of all temporary documents

TDOC	Subject	Source	SWG
T2-020815	Draft Meeting Report T2#18, Velen	T2 secretary	OP
T2-020816	Draft Agenda T2#19, Bundang	T2 chairman	OP
T2-020817	IPR guidance	MCC	OP
T2-020818	T2 specs status list	MCC	OP
T2-020819	3GPP meeting calendar	MCC	CP
T2-020820	Summary of T#17 and SA#17 issues of T2 interest	T2 secretary	OP
T2-020821	Draft Report of TSG-T meeting #17	T secretary	OP
T2-020822	Draft Report of TSG SA meeting #17	SA secretary	OP
T2-020823	3GPP work plan	MCC	OP
T2-020824	T2 work item overview (updated in T2-020826)	T2 secretary	OP
T2-020825	T2 future meetings (will be produced after the end of the SWG sessions)	T2 secretary	CP
T2-020826	T2 work item overview	T2 secretary	OP
T2-020827	not used		
T2-020828	not used		
T2-020829	not used		
T2-020830	LS from SA1 cc T2 on IMS messaging	S1-021841	SWG3
T2-020831	LS from SA1 on Speech Enabled Services	S1-021846	OP
T2-020832	LS from SA1 on Continuity of MMS Service	S1-021856	SWG3
T2-020833	LS from SA5 on User Equipment Management	S5-022249	SWG2
T2-020834	LS from RAN2 on unclear standardisation of an AT command in TS 27.007	R2-022221	SWG2
T2-020835	LS from SA5 on Joint Meeting SA5/T2 on MMS charging	S5-024339	SWG3
T2-020836	LS from T3 on Subscriber Certificates	T3-020628	OP
T2-020837	LS from T3 on User Equipment Management Feasibility Study (TR 32.802)	T3-020666	SWG2
T2-020838	LS from T3 on Rel-6 WID for User Equipment Management	T3-020667	SWG2
T2-020839	LS from T3 on Cell Broadcast Download data parameters	T3-020708	SWG3
T2-020840	LS from SA2 on GUP, Situation Dependent Profiles and Logical versus Physical View of a Profile Component	S2-022596	SWG2
T2-020841	LS from SA2 on MMS charges based upon the roamed to network	S2-022619	SWG3
T2-020842	LS from SA2 on IMS messaging (3GPP TR 22.940)	S2-022626	SWG3
T2-020843	LS from SA5: reply on MMS Volume Definition	S5-024337	SWG3
T2-020844	LS from T3 on MMS Parameters on the USIM	T3-020701	SWG3
T2-020845	LS from GERAN regarding AT command +WS46	GP-022743	SWG2
T2-020846	LS from GSMA BARG on the MMS message size definition	BARG Doc 225/02	SWG3
T2-020847	LS from GSMA SERG on Definition of SMIL and Ability to Forward MM Elements Independently	SERG Doc 194/02 Revision 2	SWG3
T2-020848	LS from GSMA SERG on MMS Billing and Charging	SERG Doc 199/02 Revision 2	SWG3
T2-020849	LS from GSMA SERG on MM4 Interface and DMZ Architectures for MMS	SERG Doc 201/02 rev 1	SWG3
T2-020850	LS from GSMA SERG requesting Enhancements to Provide Additional Functionality On The MM7 Interface	SerG Doc 202/02	SWG3
T2-020851	LS from GSMA SERG recommending MIME Types To Be Supported	SerG Doc 204/02	SWG3
T2-020852	LS from GSMA SERG regarding Support for non MMS Capable Handsets	SerG Doc 205/02	SWG3
T2-020853	LS from CN1 on IMS Messaging	N1-022055	SWG3
T2-020854	LS from CN2 on Packet switched SMS handling in UMTS network	N2-020898	SWG3

T2-020855	LS from CN4 on MMS charges based upon the roamed to network.	N4-021321	SWG3
T2-020856	LS from TSG-T to OMA on MMS REL-5 Stage 3	TP-020258	SWG3
T2-020857	LS from T1M1 on Alignment of Telecommunications Data Dictionary Standards	T1M1/2002-098	SWG2
T2-020858	LS from GSMA BARG on MMS charging based on SMTP codes	BARG Doc 236/02	SWG3
T2-020859	LS from SA4 to T2 on Synthetic video media type	S4-020587	SWG3
T2-020860	LS from SA4 to SA1 cc T2 on Synthetic video media type	S4-020620	SWG3
T2-020861	LS from SA4 informing about two CRs to TS 26.140	S4-020628	SWG3
T2-020862	LS from SA5 to T3 on User Equipment Management	S5-022318	SWG2
T2-020863	LS from SA5 to SA4 on Draft Work Item Description PSS Rel-6 from SA4	S5-024469	SWG3
T2-020864	LS from SA5 to GSMA BARG/CPWP on MMS Charging	S5-024470	SWG3
T2-020865	LS from SA5 to GSMA SerG on MMS Billing and Charging	S5-024471	SWG3
T2-020866	LS from SA2 on the new Area Event location service	S2-023036	SWG3
T2-020867	LS from SA2 on packet switched SMS handling in UMTS network	S2-023127	SWG3
T2-020868	LS from SA2 on MMS charges based upon the roamed to network	S2-023128	SWG3
T2-020869	LS from SA1 to SA2 cc T2 on Situation dependent profiles and logical versus physical view of a profile component	S1-021942	SWG2
T2-020870	LS from SA1 to SA2, T2 on Requirement for standardizing a Transcoding interface	S1- 022010	SWG3
T2-020871	LS from SA1 to T2 cc CN5 on OSA support for MMS	S1-022072	SWG3
T2-020872	LS from SA1 on subscriber certificates	S1-021685	SWG3
T2-020873	LS from T3 to SA5 cc T2 on Rel-6 WID for User Equipment Management from SA5 SWGA	T3-020890	SWG2
T2-020874	LS from T3 to SA2 cc T2 on Area Event location service	T3-020909	SWG3
T2-020875	agenda SWG1 MExE at T2#19	Chairman	SWG1
T2-020876	report of SWG1 MExE at T2#19	Chairman	SWG1
T2-020877	Runtime Independent Framework Feasibility Study	SWG1	SWG1
T2-020878	Runtime Independent Framework Feasibility Study	SWG1	SWG1
T2-020879	Runtime Independent Framework Feasibility Study	SWG1	SWG1
T2-020880	not used		SWG1
T2-020881	not used		SWG1
T2-020882	not used		SWG1
T2-020883	not used		SWG1
T2-020884	not used		SWG1
T2-020885	LS from SA1 to SA4 cc T2 on Synthetic Video media type	S1-022370	SWG3
T2-020886	LS from SA1 to T2, T3 on the melodies storage feature in the USIM in release 6	S1-022346	SWG3
T2-020887	LS from SA1 to SA cc T2 on agreed matrices of ME/SIM ME/USIM combinations for MMS service and Releases	S1-022374	SWG3
T2-020888	LS from SA1 to CN1, SA2 cc T2 on IMS Messaging	S1-022038	SWG3
T2-020889	LS from SA1 to T2 on Roaming Awareness	S1-022270	SWG3
T2-020890	LS from SA4 on Additional Tags for MMS SMIL	S4 (02)0721	SWG3
T2-020891	LS from SA4 to SA5 cc T2 on Draft Work Item Description PSS Rel-6 from SA4	S4 (02)0733	SWG3
T2-020892	LS from T1 to OMA IOP cc T, T2, OMA TP, GSMA TWG, GCF SG on common test specifications for applications and services	T1-020885	
T2-020893	not used		
T2-020894	not used		
T2-020895	Agenda SWG2#19	SWG2 Chair	SWG2
T2-020896	Meeting Report SWG2#19	SWG2 Chair	SWG2
T2-020897	Report of UEM-JM Oct 8 SWG2-SA5	SWG2 Chair	SWG2
T2-020898	Report of SWG2_02 Atlanta Oct. 8-10	SWG2 Chair	SWG2
T2-020899	TS22.240v100 draft SWG2_02 changes	SWG2 Chair	SWG2
T2-020900	Draft REL 6 UEM WID T2 Task-level	SWG2 Chair	SWG2

T2-020901	T1M1 Work Status docs	SWG2 Chair	SWG2
T2-020902	SWG2_02 Recommendation for a TR on GUP/DDF Analysis	SWG2 Chair	SWG2
T2-020903	T2 GUP WID	Nokia	SWG2
T2-020904	Skeleton of TS GUP Schema mechanism	Nokia	SWG2
T2-020905	Updated T2C-020054, Discussion on GUP Schema mechanism	Nokia	SWG2
T2-020906	Analysis of DDF and XML schema mechanism	Nokia	SWG2
T2-020907	Report of Aug 20 JM SWG2-SA5 on GUP/UEM/SuM	SWG2 Chair	SWG2
T2-020908	Presentation of Use cases for 3GPP GUP (DDF and Common Objects)	Telia	SWG2
T2-020909	Use cases for 3GPP GUP (DDF and Common Objects)	Telia	SWG2
T2-020910	GUP information model	Ericsson	SWG2
T2-020911	GUP reference architecture related to terminal	Ericsson	SWG2
T2-020912	Selection of Data Description Method	Ericsson	SWG2
T2-020913	Selection of Data Description Method ppt	Ericsson	SWG2
T2-020914	Stepwise introduction of GUP	Ericsson	SWG2
T2-020915	GPRS and CS attributes	Ericsson	SWG2
T2-020916	A unique Data description method	Ericsson	SWG2
T2-020917	TS 23.241 v0.3.2 GUP DDF	Motorola	SWG2
T2-020918	TS 24.241 v0.3.2 GUP ComObj	Motorola	SWG2
T2-020919	CR to 27.007 R99 Clarification in the behaviour of AT+CGCLASS	Ericsson	SWG2
T2-020920	Agenda SWG3#19	SWG3 chairman	SWG3
T2-020921	Meeting Report SWG3#19	Comverse, Nokia	SWG3
T2-020922	The VIM format for Synthetic Video	IAEI	SWG3
T2-020923	CR 23.140: Handling of different MMS notifications	TIM, Orange, T-Mobile	SWG3
T2-020924	CR 23.140 REL-5 Corrections to MM7 XML Schema and examples	Nokia	SWG3
T2-020925	Explanation of corrections to MM7 XML Schema and examples	Nokia	SWG3
T2-020926	CR 23.140 REL-6 Addition of support for "Bcc" field in the MM4 reference point	Nokia	SWG3
T2-020927	CR 23.140 Rel-4 MMS UA behaviour regarding the MMS parameters on the (U)SIM	Gemplus	SWG3
T2-020928	CR 23.140 Rel-5 MMS UA behaviour regarding the MMS parameters on the (U)SIM	Gemplus	SWG3
T2-020929	MMS Security services	Gemplus	SWG3
T2-020930	CR 23.140 Rel-6 MMS Security services	Gemplus	SWG3
T2-020931	CR 23.140 Recipient Handling on MM4	Ericsson	SWG3
T2-020932	CR 23.140 Version Handling on MM4	Ericsson	SWG3
T2-020933	Discussion paper on "MMS Email Connectivity MM3 Standardization"	Comverse	SWG3
T2-020934	Attached Powerpoint presentation on same topic	Comverse	SWG3
T2-020935	Discussion Paper on MM2 Interface to MMBox	Comverse	SWG3
T2-020936	Synthetic Video	EMC2, IAEI	SWG3
T2-020937	Report from joint T2 SWG3/SA5 SWG-B/GSMA BARG CPWP meeting on MMS Charging, 19 Aug. 2002 at Tampere	Telia	SWG3
T2-020938	CR 23.140 REL-4 Mandatory MM1_retrieve.RES (aka T2-020522, 602)	Siemens	SWG3
T2-020939	CR 23.040 Addition of EMS Extended Object for Text Formatting (replaced by 941)	Ericsson	SWG3
T2-020940	CR 23.140 Message Size	Vodafone, Orange, Telia, T-mobile	SWG3
T2-020941	CR 23.040 Addition of EMS Extended Object for Text Formatting	Ericsson	SWG3
T2-020942	LS to SA1 and SA, cc T3 on agreed matrices of ME/SIM ME/USIM combinations for MMS service and Releases	Motorola	SWG3
T2-020943	CR 23.140 REL-5 Message Size	Vodafone, Orange, Telia,	SWG3

		T-mobile	
T2-020944	LS to SA1 on Directory Number in MMS REL-6	Teleca	SWG3
T2-020945	CR 23.140 Rel-4 MMS UA behaviour regarding the MMS parameters on the (U)SIM	Gemplus, Vodafone, Orange, TIM, Cingular, Telef.	SWG3
T2-020946	CR 23.140 Rel-5 MMS UA behaviour regarding the MMS parameters on the (U)SIM	GEMPLUS, Orange, Vodafone	SWG3
T2-020947	LS to SA5, cc SA and BARG on MM size definition	Vodafone	SWG3
T2-020948	LS to SA1, OMA-MWS, GSMA SERG, cc OMA-REQ, OMA-MMDC, OMA-LCS, SA5 on Enhancements to Provide Additional Functionality On The MM7 Interface	Comverse	SWG3
T2-020949	LS to SA1 on OSA/MWS support for MMS	Nokia	SWG3
T2-020950	LS to SA2 cc T3 and RAN2 on the new Area Event location service	Nokia	SWG3
T2-020951	LS to SA1 cc SA2, SA5, CPWP on Roaming Awareness	Vodafone	SWG3
T2-020952	CR 23.140 REL-5 Corrections to MM7 XML Schema and examples	Nokia	SWG3
T2-020953	CR 23.140 REL-5 Clarification of how MMS connectivity information shall be stored on USIM	Ericsson	SWG3
T2-020954	CR 23.140 Recipient Handling on MM4	Ericsson	SWG3
T2-020955	CR 23.140 REL-6 Version Handling on MM4	Ericsson	SWG3
T2-020956	LS to SA5 on answering questions from the MMS presentation at the JM	Telia	SWG3
T2-020957	CR 23.140 REL-6 Addition of support for "Bcc" field in the MM4 reference point	Nokia	SWG3
T2-020958	LS to SA1 and SA, cc T3 on agreed matrices of ME/SIM ME/USIM combinations for MMS service and Releases	Motorola	SWG3
T2-020959	not used		SWG3
T2-020960	not used		SWG3
T2-020961	not used		SWG3
T2-020962	not used		SWG3
T2-020963	not used		SWG3
T2-020964	not used		SWG3
T2-020965	not used		SWG3
T2-020966	not used		SWG3
T2-020967	not used		SWG3
T2-020968	not used		SWG3
T2-020969	not used		SWG3
T2-020970	CR to 27.007 R99 Clarification in the behaviour of AT+WS46	Ericsson	SWG2
T2-020971	LS to SA1 with T2 change proposals to 22.240v1.1.0 GUP stage 1	SWG2 Chair	SWG2
T2-020972	CR to 27.007 R4 Clarification in the behaviour of AT+CGCLASS	Ericsson	SWG2
T2-020973	CR to 27.007 R5 Clarification in the behaviour of AT+CGCLASS	Ericsson	SWG2
T2-020974	CR to 27.007 R6 Clarification in the behaviour of AT+CGCLASS	Ericsson	SWG2
T2-020975	CR to 27.007 R99 Clarification in the behaviour of AT+WS46	Ericsson	SWG2
T2-020976	CR to 27.007 R4 Clarification in the behaviour of AT+WS46	Ericsson	SWG2
T2-020977	CR to 27.007 R5 Clarification in the behaviour of AT+WS46	Ericsson	SWG2
T2-020978	CR to 27.007 R6 Clarification in the behaviour of AT+WS46	Ericsson	SWG2
T2-020979	Selection Criteria for Comparison of Approaches	Telia, SWG2 Chair	SWG2
T2-020980	Draft1 GUP WID for T2 tasks	R. Grund	SWG2
T2-020981	LS to SA1, SA2 on GUP Requirements - UE Data access and backward compatibility	Bo. J.	SWG2
T2-020982	LS to SA2 - GUP information model	Ericsson	SWG2
T2-020983	LS on the support of GUP specific Terminal Architecture Aspects	Siemens	SWG2
T2-020984	Withdrawn	Nokia, Ericsson, Siemens	SWG2
T2-020985	Consensus Proposal for GUP	Nokia, Ericsson,	SWG2

		Siemens	
T2-020986	not used		SWG2
T2-020987	not used		SWG2
T2-020988	not used		SWG2
T2-020989	not used		SWG2
T2-020990	CR to 27.007 R99 Clarification in the behaviour of AT+WS46	Ericsson	SWG2
T2-020991	Meeting Report SWG2#19	SWG2 Chair	SWG2
T2-020992	WID 3GPP Generic User Profile Data Description Method		SWG2
T2-020993	CR to 27.007 R99 Clarification in the behaviour of AT+CGCLASS	Ericsson	OP
T2-020994	CR to 27.007 R4 Clarification in the behaviour of AT+CGCLASS	Ericsson	OP
T2-020995	CR to 27.007 R5 Clarification in the behaviour of AT+CGCLASS	Ericsson	OP
T2-020996	CR to 27.007 R6 Clarification in the behaviour of AT+CGCLASS	Ericsson	OP

Annex B Outgoing Documents

B.1   Change Requests submitted to TSG-T

The following CRs will be submitted to TSG-T#18 for approval:

"Terminal Interfaces and Capabilities" Change Requests

Spec	CR	Rev	Rel	Subject	Cat	Vers-Current	Vers-New	T2 doc	Workitem
27.007	086	-	R99	Clarification in the behaviour of AT+W46	F	3.11.0	3.12.0	T2-020990	TEI
27.007	087	-	Rel-4	Clarification in the behaviour of AT+W46	A	4.4.0	4.5.0	T2-020976	TI-ATC
27.007	088	-	Rel-5	Clarification in the behaviour of AT+W46	A	5.1.0	5.2.0	T2-020977	TEI5
27.007	089	-	Rel-6	Clarification in the behaviour of AT+W46	A	6.0.0	6.1.0	T2-020978	TEI6
27.007	090		R99	Clarification in the behaviour of AT+CGCLASS	F	3.11.0	3.12.0	T2-020993	TEI
27.007	091		Rel-4	Clarification in the behaviour of AT+CGCLASS	A	4.4.0	4.5.0	T2-020994	TI-ATC
27.007	092		Rel-5	Clarification in the behaviour of AT+CGCLASS	A	5.1.0	5.2.0	T2-020995	TEI5
27.007	093		Rel-6	Clarification in the behaviour of AT+CGCLASS	A	6.0.0	6.1.0	T2-020996	TEI6

"MMS" Change Requests

Spec	CR	Rev	Rel	Subject	Cat	Vers-Current	Vers-New	T2 doc	Workitem
23.140	094	-	Rel-5	MMS message size definition and its support on the MMS UA.	F	5.4.0	5.5.0	T2-020943	MESS5-MMS
23.140	095	-	Rel-5	MMS UA behaviour regarding the MMS parameters on the (U)SIM	F	5.4.0	5.5.0	T2-020946	MESS5-MMS
23.140	096	-	Rel-5	Further corrections towards the MM7 XML Schema and MM7 examples	F	5.4.0	5.5.0	T2-020952	MESS5-MMS
23.140	097	-	Rel-6	Version Handling on MM4	C	5.4.0	6.0.0	T2-020955	MMS6
23.140	098	-	Rel-6	Addition of support for "Bcc" field in the MM4 reference point	F	5.4.0	6.0.0	T2-020957	MMS6

B.2   Liaison Statements

The following LSs were sent from T2#19:

TDOC	Subject	Comments
T2-020944	LS to SA1 on Directory Number in MMS REL-6	sent 27/11/2002
T2-020947	LS to SA5, GSMA/BARG/CPWP cc SA,T on MM size definition	sent 27/11/2002
T2-020948	LS to SA1, GSMA SERG cc OMA-REQ, OMA-MMDC, OMA-LCS, OMA-MWSG, SA5 on Enhancements to Provide Additional Functionality On The MM7 Interface	sent 27/11/2002
T2-020949	LS to SA1 cc CN5 on OSA support for MMS	sent 27/11/2002
T2-020950	LS to SA2 cc T3 and RAN2 on the new Area Event location service	sent 27/11/2002
T2-020951	LS to SA1 cc SA2, SA5, GSMA CPWP on Roaming Awareness	sent 27/11/2002

T2-020956	LS to SA5, GSMA BARG CPWP on answering questions from the MMS presentation at the JM	sent 27/11/2002
T2-020958	LS to SA, SA1 cc T, T3 on agreed matrices of ME/SIM ME/USIM combinations for MMS service and Releases	sent 27/11/2002
T2-020971	LS to SA1 with T2 change proposals to 22.240v1.1.0 GUP stage 1	sent 27/11/2002
T2-020981	LS to SA1, SA2 on GUP Requirements - UE Data access and backward compatibility	sent 27/11/2002
T2-020982	LS to SA2 on the GUP information model	sent 27/11/2002

B.3   Reports/Specifications submitted to TSG-T

The following technical report was agreed to be subnitted to TSG-T#18:

TDOC	Subject
T2-020879	TR 22.857 Runtime Independent Framework Feasibility Study **for approval**

B.4   Work Items submitted to TSG-T

The following work item was agreed to be submitted to TSG-T#18:

TDOC	Subject
T2-020992	3GPP Generic User Profile Data Description Method **for approval**

3GPP

Annex C: List of Participants

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Total number of delegates: 50

Annex D: Report from SWG1 Execution Environment

Agenda Item: T2 Closing Plenary

Source: SWG1 Chair

Title: Report of SWG1

Document for: Approval

_____

Executive Summary:

General:

7 delegates, 4 tdocs, 1 output paper.

MEXE6-ENHANC Work Item:

No work done in this area.

MEXE5-ENHANC Work Item:

No work done in this area.

MEXE6-RTIF Work Item:

- The work on the Runtime Independent Framework (RTIF) feasibility study was continued and concluded.

- It was agreed by SWG1, that the feasibility study is ready to be presented for approval at TSG-T#18.

Any Other Business:

No other business

Future Meetings:

Meeting	Date	Venue	Comment

SWG1 will from now on become dormant. SWG1-meetings will only be scheduled if there are input documents and they cannot be dealt with through the SWG1-email reflector.

If contributions are being planned for a face to face meeting, the topic has to be notified on the agenda and distributed on the email reflector at least 3 weeks before the actual meeting.

Output documents:

Tdoc	Subject	SOURCE
T2-020878	Runtime Independent Framework Feasibility Study	SWG1

Output Liaison Statements:

Tdoc	Subject	SOURCE

No output liaison statements.

3GPP

Detailed Report

Opening of the meeting

Approval of the draft agenda

Tdoc	Subject	SOURCE
T2-020875	Agenda SWG1 MExE at T2#19	Chairman

Introductions

Delegates introduce themselves, and are listed in the participants annex.

Call for IPR

The attention of the members of this Technical Specification Group is drawn to the fact **that 3GPP Individual Members have the obligation** under the IPR Policies of their respective Organizational Partners to **inform their respective** Organizational Partners **of Essential IPRs they become aware of**.

The members take note that they are hereby 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 Technical Specification Group.

- To notify the Chairman, or the Director-General 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.

Results of previous meetings

Ad hoc meeting report

Tdoc	Subject	SOURCE

No ad hoc meetings held since last T2.

E-mail activity

Tdoc	Subject	SOURCE

No e-mail approvals since last T2.

Action Items and other issues

No action items identified at the last T2.

Incoming LS

Tdoc	Subject	SOURCE

No liaison statements received since last T2.

MExE 22.057 contributions and change requests

Tdoc	Subject	SOURCE

No input.

MExE 23.057 contributions and change requests

Security

Tdoc	Subject	SOURCE

No input.

Non security

Restructuring of the MExE specification

Tdoc	Subject	SOURCE

No input.

Others

Tdoc	Subject	SOURCE

No input.

Run-Time Independent Framework

Tdoc	Subject	SOURCE
T2-020877	Runtime Independent Framework Feasibility Study	SWG1

Presentations

Tdoc	Subject	SOURCE

No input.

3GPP

Any other business

Tdoc	Subject	SOURCE

No input.

Future meetings

Surf to the 3GPP on-line meeting calendar (http://www.3gpp.org) for latest meeting and registration details.

Annex A – Complete Document List

<mark style="background-color:lime">APPROVED - OUTPUT TO T2</mark>

<mark style="background-color:yellow">NOTED/APPROVED – NO OUTPUT TO T2</mark>

Please note that LSs and CRs should be entered like this:

LS to SA3, T3 cc CN5, SA9 MExE in relation to SExE (Smurf EXecution Environment)

CR 23.057 Rel-6 Introduction of new classmark 13

Meeting documents may be found at ftp://ftp.3gpp.org/TSG_T/WG2_Capability/TSGT2_19_Bundang/Docs/

Tdoc	Subject	
T2-020875	agenda SWG1 MExE at T2#19	Chairman
T2-020876	report of SWG1 MExE at T2#19	Chairman
T2-020877	Runtime Independent Framework Feasibility Study	SWG1
T2-020878	Runtime Independent Framework Feasibility Study	SWG1
T2-020879		
T2-020880		
T2-020881		
T2-020882		
T2-020883		
T2-020884		

Annex B - Participants List

•NAME	ORGANISATION	E-MAIL
Lars Brenk	TTPCom Danmark (Chairman)	LSB@TTPCOM.COM
Nicola McGregor	NTT DoCoMo Inc.	Nicola@cet.yrp.nttdocomo.co.jp

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Richard Garland	Samsung	rgarland@seri.co.uk
Ed Ehrlich	Nokia	ed.ehrlich@nokia.com

Annex E: Report from SWG2 UE Interfaces and Capabilties

3GPP TSG-T2 #19   *T2-0200991*
Bundang, Korea
18-22 November 2002

Agenda Item: T2 Closing Plenary

Source: SWG2 Chairman

Title: FINAL Report of SWG2 Bundang Meeting#19

Document for: Approval

ES   Executive Summary

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

General:

The meeting was opened by Mr. Prem Sood on 12:05pm, 18th November 2002, and the delegates were welcomed to this meeting.

Kevin Holoubek (Motorola) and Alan Chau (Nokia) volunteered to share the secretary duties for the meeting.

The proposed Agenda of the meeting in Draft3 of T2-020895 was approved.

One meeting related to GUP work was held on Oct 8th, PM to Oct 10th PM, Atlanta, co-located with SA5. The Report is T2-020898.

A Joint Meeting was held with SA5 on GUP and UEM – Aug. 20th, AM, Atlanta, co-located with SA5. The Report is T2-020907.

A Joint Meeting was held with SA5 on GUP and UEM - Oct 8th, AM, Atlanta, co-located with SA5. The Report is T2-020897.

The following Future Meetings were approved by SWG2 –

    JM with SA5 on GUP and UEM – Feb 21st, AM, Phoenix USA, collocated with SA5

    Dedicated T2-SWG2 Meeting on GUP/DDF - Dedicated T2 SWG2 Meeting on GUP/DDF – January 16-18, San Francisco. TBC – AT&T WL hosting for Jan 16th. Jan. 17, 18th confirmed.

    JM with SA5 on GUP and UEM – Dec 3 or 7 or 13, New Orleans, USA, co-located with TSG-T, SA.

Review of Progress on Action Items

Work Item 1828: AT Commands –

EIGHT CR proposals on the AT-Commands (27.007) were underlined approved for presentation to T2 for Approval. (TWO basic CRs for 4 Releases each)

Work Item xxxx: Generic User Profiles –

A major agenda item was the review of Direction of GUP and XML Schema and Data Description Format (DDF). Many presentations were given.

After a lot of discussion, a Consensus Data Description Method (DDM) proposal was agreed Unanimously. This paper suggests a solution strategy for the continuation of the work to define the GUP data description method. This strategy is a jointly worked out and agreed data description approach which is not a compromise merging two mechanisms but a stable and future-proof solution.

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

A WID for T2 work tasks for GUP DDM was agreed. IT IS PRESENTED TO T2 FOR APPROVAL.

THREE outgoing LS's, were approved and are presented to T2 for Approval.

Tdocs 908 and 909 describe Carrier-desired Use Cases for GUP and DDM. These Use Cases serve the function of validating that the design which is developed will be usable for the Use Cases as a minimum, and that the Use Cases will be the first applications. **The attention of Carrier Members is drawn to 908 and 909, and they are requested to review and contribute to the further definition of the Use Cases**.

Tdoc 915 contains a detailed analysis of Data Descriptions, compiling the GPRS and CS attributes required for Datacom configuration in the UE, and described together with the required datatypes**.** This work is intended to evaluate existing databases for interoperability and/or integration with GUP. **All T2 members are requested to review this tdoc and direct comments to the contributor.**

3GPP

<mark>Work Item xxxx:</mark> User Equipment Management –

TSG-SA approved an SA5 Building Block WID for UEM which shows 3 major tasks for T2. This WID and proposed T2-SWG2 work commitment were reviewed as actioned at the UEM-JM Oct 8 meeting, and preparation of a draft WID for the T2-only tasks was undertaken, with significant effort to discover support for doing this proposed T2 work on UEM.

After a lot of discussion and effort, it was concluded that that insufficient support exists in SWG2 for conducting this work in a satisfactory enough manner to deliver a quality on-time product as requested in the SA5 BB WID. Therefore the SWG2 decision was that this draft WID can not be sent to T2 for approval. (Four supporting companies were identified, but only two could promise any commitment for work. More importantly, the Rapporteur for TS 27.150 UEM Protocol Specification and TR for GAP Analysis was unable to be identified despite repeated requests.)

SWG2 HAS NOT BEEN SUCCESSFUL IN EXECUTING THE UEM T2 WID.

ACTION REQUEST FOR T2

T2 is hereby informed of this decision, and T2 assistance is hereby requested to secure the requisite Commitments for Support for the T2 UEM WID. In the event T2 can not secure such Commitments of Support, T2 is hereby requested to communicate this T2 UEM WID status to TSG-T at the December 2002 Plenary, for TSG-T to either secure the Commitment of Support for the work, or failing this, to inform TSG-SA promptly of the lack thereof.

Other Items Executive Summary from SWG2 meeting :

None

Future Meetings:

Meeting	Date	Venue	Comment
SWG2 #20	Jan 20-25, 2003	San Francisco, USA	T2 plenary
SWG2_03 GUP	Jan 16–18, 2003	San Francisco, USA	TBC – AT&T WL hosting for Jan 16. Jan 17-18 Confirmed
JM with SA5 on GUP and UEM	Dec 3, 7 or 13	New Orleans	TBC.
JM with SA5 on GUP and UEM	Feb 21, 2003	USA Phoenix?	TBC.

Output Change Requests:

TDoc	Title	Source	Comment
T2-020919	CR to 27.007 R99 Clarification in the behaviour of AT+CGCLASS	Ericsson	Approved. Output to T2
T2-020972	CR to 27.007 R4 Clarification in the behaviour of AT+CGCLASS	Ericsson	Approved. Output to T2
T2-020973	CR to 27.007 R5 Clarification in the behaviour of AT+CGCLASS	Ericsson	Approved. Output to T2
T2-020974	CR to 27.007 R6 Clarification in the behaviour of AT+CGCLASS	Ericsson	Approved. Output to T2
T2-020975	CR to 27.007 R99 Clarification in the behaviour of AT+WS46	Ericsson	Approved. Output to T2
T2-020976	CR to 27.007 R4 Clarification in the behaviour of AT+WS46	Ericsson	Approved. Output to T2
T2-020977	CR to 27.007 R5 Clarification in the behaviour of AT+WS46	Ericsson	Approved. Output to T2
T2-020978	CR to 27.007 R6 Clarification in the behaviour of AT+WS46	Ericsson	Approved. Output to T2

Output Liaison Statements:

TDoc	Title	Source	Comment
T2-020971	LS to SA1 with T2 changes to 22.240v1.1.0	SWG2 Chair	Approved for output to T2
T2-020981	LS to SA1 and SA2 on GUP Requirements - UE Data access and backward compatibility	Ericsson, Siemens	Approved for output to T2
T2-020982	LS to SA2 - GUP information model	Ericsson	Approved for output to T2

Other documents for T2 Approval

TDoc No.	Title	Source	Status
T2-020980	T2 GUP WID	R. Grund	Approved

ES   Detailed Report

1. Opening of the meeting

The Chair of SWG2, Mr. Prem Sood, Sharp, opened the meeting at 12:05 pm on Monday, November 18, 2002.

The Chair welcomed everyone to Bundang, Korea and thanked Samsung for hosting the meeting.

Kevin Holoubek of Motorola and Alan Chau of Nokia volunteered to act as the meeting secretaries.

There were 10 delegates present at the opening of the meeting. More delegates joined on following days.

The Meeting closed at 4.15 pm on Thursday Nov 21.

1.1. Approval of the proposed Agenda

Document – T2-020895

TDoc No.	Title	Source	Status
T2-020895	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.

1.2. Joint and Dedicated Meetings Schedule

No joint and/or dedicated meetings scheduled this week.

Future Meetings … Confirmed by SWG2

1. JM with SA5 on UEM: Dec 3 or 7 or 13, 2003, New Orleans

    SWG2 sees no need for the December proposed meeting.
2. SWG2_03 Dedicated T2-SWG2 Meeting on GUP/DDF - January 17-18, San Francisco.

    The chairman proposed this meeting should be three days, rather than two. The members agreed.
    New Dates – Jan 16-18. TBC with Host for 16th.

3. JM with SA5 on UEM: Feb 21, 2002, USA (Pheonix?)

    It was decided this meeting would be discussed/confirmed during the January meeting.

1.3. Review of previous Action Points

Tdoc Draft2 T2-020896

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.	Pending
17.2 SWG2 GUP to consider implementing the CN4 recommendation on "Choice Construct" and generate a response when the action is planned.	SWG2 GUP	Due T2#18	Closed in SWG2_02. T2C-020061
1M.04. Initiate an email discussion to create an activity list for progressing the Common Objects work; based upon T2C-020007.	H. Thuvesson	Closed	Based on discussions in other documents.
1M.05. Develop goals, activity list, and prioritization for Release 6 concerning DDF and Common Objects.	T2SWG2

N. McGregor to co-ordinate | Closed | E-mail sent 9/27 |
18.1 GUP SWG to review T2-020691 (Proposed Re-Organization of TS 23.241)	All	Closed	
18.2 A rapporteur is required for the TR on UEM GAP analysis	All	Due T2#19	Pending
18.3 Draft a T2 UEM WID	V. Shaw	Closed	Alternate Plan, see 900
18.4 Venson Shaw to produce a T2 UEM work plan and distribute it over the email reflector	V. Shaw	Closed	E-mail earlier.

18.5 Venson Shaw to check the AP 16.4	V. Shaw	ASAP	Pending
18.6A Prepare CR for AT Command +WS46 re. T2-020834,845 and TSG-T#17 decision	O. Tome	SWG2#19	Assigned after TSG-T#17. Closed (970)
2A-01 Input UE Requirements for 22.240 into SA1 directly via Company participants, and to SWG2#19	Nokia, Ericsson	Next SA1

10/14, 11/14 | Closed…Ericsson inputs to SA1 |
2A-02 Review 22.240 SWG2_02 changes left pending/undecided in 4.4, 6.5 by SWG2#19	All, SWG2_02 participants	SWG2#19	Closed
2A-03 Submit 22.240 SWG2_02 changes to SWG2#19	P. Sood	SWG2#19	Closed T2-020899
2A-04 GUP Ref architecture for terminals, T2C-020064, Liaise with SA2 to clarify the architecture	P. Neumann	Next SA2	Closed. T2-020983
2A-05 Choice construct for DDF, T2C-020061 should get informally reflected to CN4.	P. Sood	Before SWG2#19	Possible LS SWG2#19

Closed 10/22 email |
2A-06 Reflect the T2C-020054 questions into Requirements in T2C-020062	H. Thuvesson	Before SWG2#19	Closed. 11/08 e-mail
2A-07 Proposals for requirements to SWG2#19 T2C-020062 format preferable but not mandatory.	All Members	SWG2#19	Closed…e-mails 11/08,13. Need to finalize req'ts.
2A-08 Proposals on what T2 should do, T2C-020062 Data Description Life Cycle and 23.241 structure	All Members	SWG2#19	Pending…need to finalize.
2A-09 Review and comment on the missing logical structure and flow of 23.241, T2-020691	All Members	SWG2#19	Pending…need to finalize.
2A-10 Generate Drafts of GUP T2 split WID for T2 tasks only	Any/All Members	SWG2#19	Closed. see 903
2A-11 Check definitions of terminology re T2-020693 in 21.905, 32.802, 32.140, 28.102, 22.140	R. Grund	Before SWG2#19	In progress.
2A-12 Ask MCC/SA1 where are definitions of terminology re T2-020693	P. Sood	Before SWG2#19	Closed. 11/04,5 e-mails

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.

1.4. Appointment of Rapporteurs

The chairman proposed that rapporteurs were needed in three areas with respect to UEM: 1) UEM Protocol Specs, 2) UEM TR GAP Analysis, and 3) UEM changes to 23.227.

Olga Tome suggested that a Rapporteur was not needed for changes to 23.227, since the Rapporteur for the document should assume that responsibility. It was agreed … the Rapporteur for 23.227 is Olga Tome.

The chairman made the call for volunteers on the other two topics, and there were none. The chairman expressed his concerns that if there are companies willing to support the work, those companies should be willing to volunteer a Rapporteur. The chairman also reminded members that a WID would not be approved unless there were four supporting companies and rapporteurs.

2 Items for immediate discussion.

Tdocs 899, 971

Document – T2-020899

TDoc No.	Title	Source	Status
T2-020899	TS22.240v100 draft SWG2_02 changes from SWG2_02	SWG2 Chair	Approved

Presented by –

Prem Sood

Discussion –

The chairman clarified that these changes had been reviewed and agreed in the Atlanta meeting. The chairman asked if there was any opposition to the proposed changes.

Olga Tome suggested that the definition for Data Description Framework be un-deleted, as the term was used in three places elsewhere in the document. After some discussion, it was agreed that striking the term was motivated by not wanting to imply the technical decision concerning how the data description would be implemented. It was agreed that leaving the definition would not be restrictive, and therefore it was un-deleted.

Concern was raised over the fact that TS 22.240 was now at v1.1.0 and would be approved by SA before the changes could be submitted. A review of v1.1.0 in the meeting indicated that the proposed changes were still applicable and would therefore be sent on to SA1. Even after TS 22.240 is approved, there will continue to be modifications/updates.

Resolution –

3GPP

The document was approved with modifications, as noted above. Prem Sood volunteered to draft a liaison statement.

Document – T2-020971

TDoc No.	Title	Source	Status
T2-020971	LS to SA1 with T2 changes to 22.240v1.1.0	SWG2 Chair	Approved

Presented by –

Prem Sood

Discussion –

Bo Johansson observed that the term "user related" has been deleted from the Generic User Profile definition, but it is used throughout the document as a synonym for GUP data. A statement concerning the replacement of this term, where appropriate, was added to the document.

Resolution –

The document was approved for output to T2.

3.1 Direction of GUP/DDF/XML work & 23.241, Requirements for Data Description

Tdocs 898, 902, 908, 909, 906, 912, 913, 979, 914, 916, 903, 437, 980, 981, 982, 984, 985

Document – T2-020898

TDoc No.	Title	Source	Status
T2-020898	Report of SWG2_02 Atlanta Oct. 8-10	SWG2 Chair	Noted

Presented by –

SWG2 Chairman

3GPP

Discussion –

Discussion surrounded the notion of establishing a common set of definitions. Two actions were assigned at the SWG2_02 meeting, one of which has been closed (Prem Sood) and another which is still in progress (Randy Grund). Randy Grund, Bo Johansson and Prem Sood all emphasized the need for establishing a common set of definitions.

Bo Johansson emphasized that it is important that the requirements for the DDF are understood and defined before the group decides on the technical direction. Jukka Aakula suggested the requirements should be established in the Stage 1. The group agreed that this should be the case, however some members contend the Stage 1 is not sufficient. There was additional discussion concerning the existence of requirements and text which had been included in the specifications at one time and subsequently removed.

The Chairman proposed that we call the "requirements" for the DDF "criteria" for evaluation, as this may eliminate some of the confusion as to where the information should be located and what is appropriate for inclusion.

Resolution –

The document was noted.

Document – T2-020902

TDoc No.	Title	Source	Status
T2-020902	SWG2_02 Recommendation for a TR on GUP/DDF Analysis	SWG2 Chairman	Noted

Presented by –

SWG2 Chairman

Discussion –

The chairman asked for discussion concerning the consensus of the Atlanta meeting to produce a TR comparing the alternatives of data description techniques. Bo Johansson suggested that a TR was necessary. Jukka Aakula suggested that the TR did not need to study the conformance to the Stage 1 requirements, but there may be some value to studying other aspects, and that a TR may not be necessary. Concern was raised on the impact of a TR on the Rel-6 deliverables.

Randy Grund suggested we should not change direction unless there has been an appropriate study to establish the reason and justification for changing. Jukka Aakula suggested that the use of the GUP DDF would be isolating 3GPP from the Web and internet community.

The chairman suggested that SWG2 has not yet "put to bed" the questions/challenges that surround the selection of the data description. Jukka Aakula responded that a decision needs to be made at this meeting in order to progress the TR in a meaningful fashion. Kay Kittel suggested there was sufficient material presented to this meeting to be discussed, that we should study this material before making any decision.

3GPP

[the following were discussion items captured outside the presentation of this document]

Carrier views were expressed by Timo Oikarinen (Sonera) and Ramin Afchar (Vodafone) that a decision needs to be made by this week. Nicola McGregor (NTT DoCoMo) suggested that it is important to reach a decision, but not at the expense of rushing into a poor technical decision. Thomas Rodestraud (Telia) indicated he would prefer to have a decision this week. In summary, there is urgency to make a decision as well as care to not make a decision hastily.

Bo Johansson commented that we need to focus on the requirements to be sure we are making the correct decisions. The chairman commented that Henrik Thuvesson circulated requirements on the e-mail list and that no members responded.

Nicola McGregor suggested that the deadline for this week should be confined to "what" rather than "how", thus suggesting the need for requirements.

The chairman requested Ericsson, Nokia and Seimens, i.e. the respective delegates, to meet off-line to work-out a consensus proposal for SWG2 before the end of the week. Various methods of documenting this consensus were also discussed.

Resolution –

This document is pending resolution … decision to return to this document after reviewing other documents which have been contributed. State – Noted, on Thursday.

A consensus proposal in T2-020985 produced by Nokia, Ericsson and Siemens was presented as the T2 GUP working assumption.

Document – T2-020908

TDoc No.	Title	Source	Status
T2-020908	Presentation of Use Cases for 3GPP GUP (DDF and Common Objects)	Telia	Noted

Presented by –

Henrik Thuvesson

Discussion –

This document presented together with T2-020909.

Resolution –

3GPP

The document was noted.

Document – T2-020909

TDoc No.	Title	Source	Status
T2-020909	Use cases for 3GPP GUP (DDF and Common Objects)	Telia	Noted

Presented by –

Henrik Thuvesson

Discussion –

Kay Kittel and Henrik Thuvesson discussed a better term for "one Master GUP", since use of this term was somewhat misleading.

Discussion was held concerning the treatment of the document. A proposal was made to keep the document as a living document with Telia having primary responsibility, but the group would support by making contributions and sponsoring liaison statements as appropriate.

Bo Johansson asked for all operators to consider these use cases and provide input into the topic.

Resolution –

The contribution was noted and Telia was encouraged to continue maintaining the document for SWG2's benefit. (AP).

Telia were also encouraged to submit the use cases to SA1 and SA5 for comment. (AP)

Document – T2-020906

TDoc No.	Title	Source	Status
T2-020906	Analysis of DDF and XML schema mechanism	Nokia	Noted

Presented by –

Jukka Aakula

Discussion –

3GPP

There was much energetic discussion on the proposal. A number of points came from this discussion. One such point was that using the GUP DDF would isolate 3GPP with respect to data descriptions. Another point was that the XML schema was too "heavy", i.e. too complex, for implementation in the terminal.

Resolution –

The document was noted and there was agreement to return to it, if appropriate, after review other documents.

Document – T2-020912

TDoc No.	Title	Source	Status
T2-020912	Selection of Data Description Method	Ericsson	Noted

Presented by –

Bo Johansson

Discussion –

The document was presented and discussed.

Resolution –

The document was noted.

Document – T2-020913

TDoc No.	Title	Source	Status
T2-020913	Selection of Data Description Method ppt	Ericsson	Noted

Presented by –

Bo Johansson

Discussion –

This document was presented along with T2-020912.

Resolution –

The document was noted.

Document – T2-020979

TDoc No.	Title	Source	Status
T2-020979	Criteria for comparison of GUP DDF/ GUP XML	Telia/SWG2 Chair	Noted

Presented by –

SWG2 Chairman

Discussion –

Jukka Aakula commented that the scope of re-use is much greater than the document indicates, as identified in item #15 (for example). Jukka Aakula also suggested it is important to quantify the prioritization on the requirements. The group agreed. SWG2 Chairman reminded/emphasized this is a list of "criteria" and not "requirements".

Resolution –

The document has been noted and agreement reached that the material needs to be progressed. Nicola McGregor (NTT DoCoMo) volunteered to take this document and progress the work and collect inputs from other carriers. (AP)

Document – T2-020903

TDoc No.	Title	Source	Status
T2-020903	T2 GUP WID	Nokia	Noted

Presented by –

Jukka Aakula

Discussion –

Concerns were raised by several members regarding the consistency of this work item and the one drafted in Vancouver (437). Concerns were also raised that a work item needs to exist for a concrete schema mechanism, based upon the SA2 requirements. Due to similarity, document 437 was presented, as well.

Resolution –

Refer to the resolution under 437.

3GPP

Document – T2-020437

TDoc No.	Title	Source	Status
T2-020437	[Draft] T2 GUP Work Item Description	Motorola	Noted

Presented by –

Kevin Holoubek

Discussion –

The document was presented and discussed as indicated in the report on 903. Jukka Aakula supported the merge of these two contributions to create one WID. Jukka Aakula also suggested the concept of a concrete schema mechanism should be seen as a separate specification.

Resolution –

The two documents, 903 and 437, were noted and an agreement reached to capture the aspects of both documents in one WID, which will be document 980. Randy Grund (Motorola) and Bo Johansson (Ericsson) volunteered to create T-doc 980.

Document – T2-020914

TDoc No.	Title	Source	Status
T2-020914	Stepwise introduction of GUP	Ericsson	Noted

Presented by –

Bo Johansson

Discussion –

The document was presented and discussed.

Resolution –

The document was noted as well as a decision to draft a liaison statement to SA1 and S2. Bo Johansson volunteered to draft the LS (981).

Document – T2-020916

TDoc No.	Title	Source	Status
T2-020916	A unique Data description method	Ericsson	Noted

Presented by –

Olga Tome

Discussion –

The document was presented and discussed.

Resolution –

The document was noted.

Document – T2-020983

TDoc No.	Title	Source	Status
T2-020983	LS on the support of GUP specific Terminal Architecture Aspects	Siemens	Noted. SeeT2 020981

Presented by – .

Kay Kittel

Discussion –

The document was presented and discussed.

Resolution –

The document was noted and updated in T2-020981.

Document – T2-020981

TDoc No.	Title	Source	Status
T2-020981	LS to S1 and S2 on T2 proposal for GUP requirements- UE Data access and backwards compatibility	Ericsson, Siemens	Approved

Presented by –

Olga Tome

Discussion –

The document was presented and discussed.

Resolution –

The document was Approved.

Document – T2-020980

TDoc No.	Title	Source	Status
T2-020980	T2 GUP WID	Motorola	Approved

Presented by –

Randy Grund

Discussion –

The document was presented and discussed.

Resolution –

The document was approved.

Document – T2-020985

TDoc No.	Title	Source	Status
T2-020985	Consensus Proposal for GUP	Nokia, Siemens, Ericsson	Noted

Presented by –

Jukka Aakula

Discussion –

The proposal was presented and discussed.

3GPP

Resolution –

The document was agreed as the strategic working assumption for the T2 GUP work. Although, some details in the proposal need to be clarified, it was agreed this proposal to be the basis of future T2 GUP work. Improvements to the proposal are invited at the next T2 meeting in January 2003.

3.2 SWG2 Ongoing Work on GUP, DDF, CO

Tdocs 917, 918, 840, 869, 910, 911, 915, 983, 857, 901.

Document – T2-020917

TDoc No.	Title	Source	Status
T2-020917	TS 23.241 v0.3.2 GUP DDF	Motorola	Noted

Presented by –

Kevin Holoubek

Discussion –

The document was presented for discussion.

Resolution –

The document was noted and members invited to continue reviewing and making contributions to the content. (AP)

Document – T2-020918

TDoc No.	Title	Source	Status
T2-020918	TS 24.241 v0.3.2 GUP ComObj	Motorola	Noted

Presented by –

Kevin Holoubek

3GPP

Discussion –

The document was presented for discussion.

Resolution –

The document was noted and members invited to continue reviewing and making contributions to the content. (AP)

Document – T2-020840

TDoc No.	Title	Source	Status
T2-020840	LS from SA2 on GUP, Situation Dependent Profiles and Logical versus Physical View of a Profile Component	S2-022596	Noted

Presented by –

Bo Johansson

Discussion –

The document was presented for discussion.

Resolution –

The document was noted.

Document – T2-020869

TDoc No.	Title	Source	Status
T2-020869	LS from SA1 to SA2 cc T2 on Situation dependent profiles and logical versus physical view of a profile component	S1-021942	Noted

Presented by –

Bo Johansson

Discussion –

The document was presented for discussion.

Resolution –

3GPP

The document was noted.

Document – T2-020910

TDoc No.	Title	Source	Status
T2-020910	GUP information model	Ericsson	Noted

Presented by –

Bo Johansson

Discussion –

The document was presented and discussed. Members favored sending this document to SA2

Resolution –

The document was noted and Bo Johansson volunteered to update the information model, as appropriate, and author a liaison statement to SA2 (982).

Document – T2-020911

TDoc No.	Title	Source	Status
T2-020911	GUP reference architecture related to terminal	Ericsson	Noted

Presented by –

Bo Johansson

Discussion –

The document was presented and discussed. Members acknowledged this is an important document and desired to have it developed further.

Resolution –

The document was noted and an action item (19.2) created to develop the document into typical use cases. Kay Kittel volunteered to champion the action item. (AP).

Document – T2-020915

TDoc No.	Title	Source	Status
T2-020915	GPRS and CS attributes	Ericsson	Noted

Presented by –

Olga Tome

Discussion –

The document was presented and discussed.

Resolution –

Ericsson suggested to consider creating a TR based on this document at the next T2 meeting. It was also suggested to transfer the content of this document into TS 24.241 GUP common objects.

All members are asked to review this document for completeness and bring input to the next T2 meeting. (AP). How to capture and store the information (e.g. in TS 24.241) as well as keep up to date.

How will this be used to validate the GUP design. The process needs to defined in details.

Document – T2-020857

TDoc No.			
T2-020857	LS from T1M1 on Alignment of Telecommunications Data Dictionary Standards	T1M1	Noted.

Presented by –

Prem Sood

Discussion –

The document was presented and discussed.

Resolution –

The document was noted

Document – T2-020901

TDoc No.			
T2-020901	T1M1 Work Status docs	Prem Sood	Noted

Presented by –

Prem Sood

Discussion –

The document was presented and discussed.

Resolution –

The document was noted.

Document – T2-020982

TDoc No.	Title	Source	Status
T2-020982	LS to SA2 - GUP information model	Ericsson	Approved for output to T2

Presented by –

Bo Johansson

Discussion –

The document was presented and discussed.

Resolution –

This LS was approved for output to T2.

3.3 GUP XML SCHEMA

Tdocs 905, 904

TDoc No.			
T2-020905	Updated T2C-020054, Discussion on GUP Schema mechanism	Nokia	Noted.
T2-020904	Skeleton of TS GUP Schema mechanism	Nokia	Noted

Presented by – .

Jukka Aakula

Discussion –

Resolution –

3.4 UE Management

Tdocs 907, 897, 833, 862, 837, 838, 873, 900

Document – T2-020907

TDoc No.	Title	Source	Status
T2-020907	Report of Aug 20 JM SWG2-SA5 on GUP/UEM/SuM	SWG2 Chairman	Noted

Presented by –

SWG2 Chairman

Discussion –

The document was presented and discussed.

Resolution –

The document was noted for information only.

Document – T2-020897

TDoc No.	Title	Source	Status
T2-020897	Report of UEM-JM Oct 8 SWG2-SA5	SWG2 Chairman	Noted

Presented by –

SWG2 Chairman

Discussion –

The document was presented and discussed.

Resolution –

The document was noted with a task to come back to address the action items.

Document – T2-020833

TDoc No.	Title	Source	Status
T2-020833	LS from SA5 on User Equipment Management	S5-022249	Noted

Presented by –

SWG2 Chairman

Discussion –

The document was presented and discussed.

Resolution –

The document was noted with no further action.

Document – T2-020862

TDoc No.	Title	Source	Status
T2-020862	LS from SA5 to T3 on User Equipment Management	S5-022318	Noted

Presented by –

SWG2 Chairman

Discussion –

The document was presented and discussed.

Resolution –

The document was noted with no further action

Document – T2-020837

TDoc No.	Title	Source	Status
T2-020837	LS from T3 on User Equipment Management Feasibility Study (TR 32.802)	T3-020666	Noted

Presented by –

SWG2 Chairman

Discussion –

The document was presented and discussed.

Resolution –

The document was noted with no further action.

Document – T2-020838

TDoc No.	Title	Source	Status
T2-020838	LS from T3 on Rel-6 WID for User Equipment Management	T3-020667	Noted

Presented by –

SWG2 Chairman

Discussion –

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The document was presented and discussed.

Document – T2-020873

TDoc No.	Title	Source	Status
T2-020873	LS from T3 to SA5 cc T2 on Rel-6 WID for User Equipment Management from SA5 SWGA	T3-020890	Noted

Presented by –

SWG2 Chairman

Discussion –

The document was presented and discussed.

Resolution –

The document was noted with no further action.

Document – T2-020900

TDoc No.	Title	Source	Status
T2-020900	Draft REL 6 UEM WID T2 Task-level	SWG2 Chair	Noted

Presented by –

SWG2 Chairman

Discussion –

The document was presented and discussed. The SWG2 Chairman asked for supporting companies for the T2-specific WID. Motorola and Siemens volunteered their support of the work item. Two additional companies were necessary to approve the WID, but none volunteered.

Although the tasks of liaison with SA5 on 32.150 and performing the analysis of compliance to TS 23.227 are not work items in the formal sense, it was decided to assign champions for these tasks. Kevin Holoubek

(Motorola) volunteered for liaison on 32.150 and Olga Tome (Ericsson) would perform the analysis of compliance to TS 23.227 as a rappoteur task.

Resolution –

There were four supporting companies (Motorola, Siemens, Vodafone and Telia). However, Vodafone and Telia could not commit to significvant support. The Rapporteur for the 27.150 UEM protocol specification and TR GAP Analysis was not identified, SWG2 would therefore not send this WID to T2 plenary for approval. It was suggested to raise the issue of insufficient support of the work at the TSG-T level and seek assitance to secure the required support.

3.5 AT Commands

TDocs 919, 834, 845, TP-020255, 970, 972, 973, 974, 975, 976, 977, 978

Document – T2-020919

TDoc No.	Title	Source	Status
T2-020919	CR to 27.007 R99 Clarification in the behavour of AT+CGCLASS	Ericsson	Approved

Presented by –

Olga Tome

Discussion –

The document was presented and discussed.

Resolution –

Approved as an output to T2. Document numbers assigned for similar change request in Rel-4 (972), Rel-5 (973), and Rel-6 (974).

Document – T2-020834

TDoc No.	Title	Source	Status
T2-020834	LS from RAN2 on unclear standardization of an AT command in TS 27.007	R2-022221	Noted

Presented by –

SWG2 Chairman

Discussion –

The document was presented and discussed.

Resolution –

The document was noted.

Document – T2-020845

TDoc No.	Title	Source	Status
T2-020845	LS from GERAN regarding AT command +WS46	GP-022743	Noted

Presented by –

SWG2 Chairman

Discussion –

The document was presented and discussed.

Resolution –

The document was noted.

Document – TP-020255

TDoc No.	Title	Source	Status
TP-020255	Use of SET under AT+WS46 command for GSM/GPRS/WCDMA	3GPP TSG T	Noted

Presented by –

SWG2 Chairman

Discussion –

The document was presented and discussed.

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<u>Resolution –</u>

The document was noted.

Document – T2-020970

TDoc No.	Title	Source	Status
T2-020970	CR to 27.007 R99 Clarification in the behaviour of AT+WS46	Ericsson	Updated in 97

<u>Presented by –</u>

Olga Tome

<u>Discussion –</u>

Alan Chau pointed out the value 22 is WCDMA and the value 25 is GPRS. There was discussion surrounding the re-naming of the values to "3GPP Systems – circuit switched" and "3GPP Systems – packet switched", respectively. However, these changes are only proposals at this time, and not approved. The group agreed to proceed with the CR.

Ericsson commented that some e-mails were exchange between Kevin Holley (SA1 chairman) and PCCA representatives about the implementation of the changes in PCCA-STD 101, and it was seen that proposed changes are aligned with the PCCA resolution.

<u>Resolution –</u>

Approved as an output to T2, with the modifications noted above (updated in 975). Document numbers assigned for similar change request in Rel-4 (976), Rel-5 (977), and Rel-6 (978).

Document – T2-020972

TDoc No.			
T2-020972	CR to 27.007 R4 Clarification in the behaviour of AT+CGCLASS	Ericsson	Approved

<u>Presented by –</u>

Olga Tome

<u>Discussion –</u>

The document was presented and discussed.

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Resolution –

The document is approved as an output to T2.

Document – T2-020973

TDoc No.			
T2-020973	CR to 27.007 R5 Clarification in the behaviour of AT+CGCLASS	Ericsson	Approved

Presented by –

Olga Tome

Discussion –

The document was presented and discussed.

Resolution –

The document is approved for output to T2.

Document – T2-020974

TDoc No.			
T2-020974	CR to 27.007 R6 Clarification in the behaviour of AT+CGCLASS	Ericsson	Approved

Presented by –

Olga Tome

Discussion –

The document was presented and discussed.

Resolution –

The document was approved for output to T2

Document – T2-020975

TDoc No.			
T2-020975	CR to 27.007 R99 Clarification in the behaviour of AT+WS46	Ericsson	Approved

Presented by –

Olga Tome

Discussion –

The document was presented for discussion.

Resolution –

The document was approved for output to T2.

Document – T2-020976

TDoc No.			
T2-020976	CR to 27.007 R4 Clarification in the behaviour of AT+WS46	Ericsson	Approved

Presented by –

Olga Tome

Discussion –

The document was presented for discussion.

Resolution –

The document was approved for output to T2.

Document – T2-020977

TDoc No.			
T2-020977	CR to 27.007 R5 Clarification in the behaviour of AT+WS46	Ericsson	Approved

Presented by –

Olga Tome

Discussion –

The document was presented for discussion.

Resolution –

The document was approved for output to T2.

Document – T2-020978

TDoc No.			
T2-020978	CR to 27.007 R6 Clarification in the behaviour of AT+WS46	Ericsson	Approved

Presented by –

Olga Tome

Discussion –

The document was presented for discussion.

Resolution –

The document was approved for output to T2.

3.6 IMS

TDocs None

4.1 UE Functionality Split

TDocs None

4.2 Application and User Interaction

TDocs None

4.3 Other

Tdocs

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

TDocs 823, 826

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.

TDoc No.	Title	Source	Status
T2-020980	T2 GUP WID	R. Grund	Approved for Output to T2
T2-020971	LS to SA1 with T2 changes to 22.240v1.1.0	SWG2 Chair	Approved for output to T2
T2-020981	LS to SA1 and SA2 on GUP Requirements - UE Data access and backward compatibility	Ericsson, Siemens	Approved for output to T2
T2-020982	LS to SA2 - GUP information model	Ericsson	Approved for output to T2
T2-020919	CR to 27.007 R99 Clarification in the behaviour of AT+CGCLASS	Ericsson	Approved. Output to T2
T2-020972	CR to 27.007 R4 Clarification in the behaviour of AT+CGCLASS	Ericsson	Approved. Output to T2
T2-020973	CR to 27.007 R5 Clarification in the behaviour of AT+CGCLASS	Ericsson	Approved. Output to T2

T2-020974	CR to 27.007 R6 Clarification in the behaviour of AT+CGCLASS	Ericsson	Approved. Output to T2
T2-020975	CR to 27.007 R99 Clarification in the behaviour of AT+WS46	Ericsson	Approved. Output to T2
T2-020976	CR to 27.007 R4 Clarification in the behaviour of AT+WS46	Ericsson	Approved. Output to T2
T2-020977	CR to 27.007 R5 Clarification in the behaviour of AT+WS46	Ericsson	Approved. Output to T2
T2-020978	CR to 27.007 R6 Clarification in the behaviour of AT+WS46	Ericsson	Approved. Output to T2

6.2 Meeting Report of this SWG2 Meeting

T2-020896	Report of T2 SWG2 #19		

7. Deferred Items

None

8. Any Other Business

No

9. Future Meetings, Time Requirements

See Executive summary.

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10   Close of the Meeting

The Meeting was closed at 4.15 pm on Thursday.

10.1. List of New Action Points added at this meeting

AP Description	Assigned to	Status	Comments
19.1) Members asked to review GUP use cases, as presented in T2-020908 & '909.	All SWG2	Opened	
19.2) Kay Kittel to take 911 and develop further into typical use cases for input to SA2.	K. Kittel	Opened	
19.3 Look at 915 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	

Annex A List of all temporary documents

SWG2 FINAL Document List

T2#19 Bundang Nov 18-22

COLOR CODE

APPROVED - OUTPUT TO T2

NOTED/APPROVED – NO OUTPUT TO T2

PENDING / ACTION

NOT REVIEWED AT THIS MEETING

NOT DISCUSSED YET

TDOC	Subject	Source	Resolution
T2-020833	LS from SA5 on User Equipment Management	S5-022249	Noted
T2-020834	LS from RAN2 on unclear standardisation of an AT command in TS 27.007	R2-022221	Noted
T2-020837	LS from T3 on User Equipment Management Feasibility Study (TR 32.802)	T3-020666	Noted
T2-020838	LS from T3 on Rel-6 WID for User Equipment Management	T3-020667	Noted
T2-020840	LS from SA2 on GUP, Situation Dependent Profiles and Logical versus Physical View of a Profile Component	S2-022596	Noted
T2-020845	LS from GERAN regarding AT command +WS46	GP-022743	Noted
T2-020857	LS from T1M1 on Alignment of Telecommunications Data Dictionary Standards	T1M1/2002-098	Noted

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T2-020862	LS from SA5 to T3 on User Equipment Management	S5-022318	Noted
T2-020869	LS from SA1 to SA2 cc T2 on Situation dependent profiles and logical versus physical view of a profile component	S1-021942	Noted
T2-020873	LS from T3 to SA5 cc T2 on Rel-6 WID for User Equipment Management from SA5 SWGA	T3-020890	Noted
T2-020895	Agenda SWG2#19	SWG2 Chair	Draft 3 Approved
T2-020896	Meeting Report SWG2#19	SWG2 Chair	Review Friday Morning
T2-020897	Report of UEM-JM Oct 8 SWG2-SA5	SWG2 Chair	Noted
T2-020898	Report of SWG2_02 Atlanta Oct. 8-10	SWG2 Chair	Noted
T2-020899	TS22.240v100 draft SWG2_02 changes	SWG2 Chair	Noted
T2-020900	Draft REL 6 UEM WID T2 Task-level	SWG2 Chair	Noted. No Rapporteur Flag to T2 in Report.
T2-020901	T1M1 Work Status docs	SWG2 Chair	Noted
T2-020902	SWG2_02 Recommendation for a TR on GUP/DDF Analysis	SWG2 Chair	See 985
T2-020903	T2 GUP WID	Nokia	Noted. Will merge in 980
T2-020904	Skeleton of TS GUP Schema mechanism	Nokia	Noted
T2-020905	Updated T2C-020054, Discussion on GUP Schema mechanism	Nokia	Noted
T2-020906	Analysis of DDF and XML schema mechanism	Nokia	Noted. See 985
T2-020907	Report of Aug 20 JM SWG2-SA5 on GUP/UEM/SuM	SWG2 Chair	Noted
T2-020908	Presentation of Use cases for 3GPP GUP (DDF and Common Objects)	Telia	Noted. Mention in T2
T2-020909	Use cases for 3GPP GUP (DDF and Common Objects)	Telia	Noted. Mention in T2
T2-020910	GUP information model	Ericsson	Noted. LS 982 to SA2
T2-020911	GUP reference architecture related to terminal	Ericsson	Noted
T2-020912	Selection of Data Description Method	Ericsson	Noted. See 985
T2-020913	Selection of Data Description Method ppt	Ericsson	Noted
T2-020914	Stepwise introduction of GUP	Ericsson	Noted. LS in 981
T2-020915	GPRS and CS attributes	Ericsson	Noted. Mention in T2
T2-020916	A unique Data description method	Ericsson	Noted
T2-020917	TS 23.241 v0.3.2 GUP DDF	Motorola	Noted
T2-020918	TS 24.241 v0.3.2 GUP ComObj	Motorola	Noted

T2-020919	CR to 27.007 R99 Clarification in the behaviour of AT+CGCLASS	Ericsson	Approved. Output to T2
T2-020970	CR to 27.007 R99 Clarification in the behaviour of AT+WS46	Ericsson	Approved in principle. Updated in 975
T2-020971	LS to SA1 with T2 changes to 22.240v1.1.0	SWG2 Chair	Approved for output to T2
T2-020972	CR to 27.007 R4 Clarification in the behaviour of AT+CGCLASS	Ericsson	Approved. Output to T2
T2-020973	CR to 27.007 R5 Clarification in the behaviour of AT+CGCLASS	Ericsson	Approved. Output to T2
T2-020974	CR to 27.007 R6 Clarification in the behaviour of AT+CGCLASS	Ericsson	Approved. Output to T2
T2-020975	CR to 27.007 R99 Clarification in the behaviour of AT+WS46	Ericsson	Approved. Output to T2
T2-020976	CR to 27.007 R4 Clarification in the behaviour of AT+WS46	Ericsson	Approved. Output to T2
T2-020977	CR to 27.007 R5 Clarification in the behaviour of AT+WS46	Ericsson	Approved. Output to T2
T2-020978	CR to 27.007 R6 Clarification in the behaviour of AT+WS46	Ericsson	Approved. Output to T2
T2-020979	Selection Criteria for Comparison of Approaches	Telia, SWG2 Chair	Noted
T2-020980	Draft1 GUP WID for T2 tasks	R. Grund	Agreed. Output to T2
T2-020437	Draft T2 GUP WID from May meeting	Motorola	Noted. Will be merged into 980.
T2-020981	LS to SA1 and SA2 on GUP Requirements - UE Data access and backward compatibility	Bo. J.	Agreed. Output to T2
T2-020982	LS to SA2 - GUP information model	Ericsson	Agreed. Output to T2
T2-020983	LS on the support of GUP specific Terminal Architecture Aspects	Siemens	Noted
T2-020984	Withdrawn	Nokia, Ericsson, Siemens	Not presented. See 985.
T2-020985	Consensus Proposal for GUP	Nokia, Ericsson, Siemens	Noted. Agreed as strategy working assumption. Details to be developed in accordance.

Annex B FINAL AGENDA

3GPP TSG-T2 #19 Bundang, Korea 18-22 November 2002	*T2-0200895*

Agenda Item: 1.1

Source: SWG2 Chairman

Title: FINAL Agenda SWG2#19 Meeting

Document for: Approval

_____

1. Opening of the meeting

1.1 Approval of this Meeting's Agenda, Chairman's comments   895

   Recording of Incoming Docs & assignment to Agenda   895, doclist

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

   None

1.3 Review of Progress on Action Items   Draft2 896

1.4 Appointment of Rapporteurs – UEM Protocol Specs, UEM TR GAP Analysis, UEM changes to 23.227

2. Items for immediate discussion –

2.1 Review and Comments/Feedback, SA1 Requirements 22.240v100 899, 971

3. SWG2 Ongoing Work

3.1 Direction of GUP/DDF/XML work & 23.241, Requirements for Data Description   898, 902, 908, 909, 906, 912, 913, 979, 914, 916, 903, 437, 980, 981, 982, 984, 985

3.2 SWG2 Ongoing Work on GUP, DDF, CO   917, 918, 840, 869, 910, 911, 915, 983, 857, 901,

3.3 GUP XML Schema   905, 904,

3.4 UE Management   907, 897, 833, 862, 837, 838, 873, 900

3.5 AT Commands   919, 834, 845, TP-020255, 970, 972, 973, 974, 975, 976, 977, 978

3.6 IMS

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)

5. Review of WI's progress, SWG2 and T2 relevant items in 3GPP work plan
   823, 826

6. Approval of Output Drafts and Documents for T2 Approval

   ### 6.1 Liaison Statements, etc.

   ### 6.2 Meeting Report of this SWG2 meeting   `896`

7. Deferred Items

8. Any Other Business

9. Future meetings, Time requirements

   UEM-JM with SA5 - Dec. 3 or 7 or 13 (TBC)

   SWG2_03_SFO on GUP Jan 17-18, 2003, San Francisco (TBC)

   UEM-JM with SA5 - Feb. 21 USA (Phoenix?) (TBC)

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

DELEGATE	ORGANIZATION	E-MAIL
Prem Sood (Chair)	Sharp	pls@sharplabs.com
Kevin Holoubek (Sec)	Motorola	kevin.holoubek@motorola.com
Alan Chau (Secretary)	Nokia	alan.chau@nokia.com
Bo Johansson	Ericsson	bo.johansson@emp.ericsson.se
Randall Grund	Motorola	randall.grund@motorola.com
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Annex F: Report from SWG3 Messaging

Agenda Item: T2 Closing Plenary

Source: SWG3 Chair

Title: Report of SWG3

Document for: Approval

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Executive Summary:

General:

The SWG3 sessions at T2#19 were attended by about 28 delegates. All in all, 81 tdocs were processed, among these 40 incoming LSs. Miraj Mostafa (Nokia) volunteered as meeting secretary.

Handling of LSs:

For incoming LSs it was agreed that Friedhelm pre-processes these and distributes a list of LSs with an action suggested to SWG3 (e.g. "to be noted", "to be treated", "don't know") in advance to the meetings on the SWG3 email reflector. LSs marked as "to be noted" are planned not to be opened during the meeting unless a company requests explicitly to do so.

Postponed:

T2-020886, an incoming LS from last week's SA1 meeting (also sent to T3) on the melodies storage feature in the USIM in release 6 was postponed after a short discussion in order to allow companies some time to review it.

Action items from T plenary:

- *MMS support for USIM: T2 to study T3 LS in TP-020236 and to resolve this urgent issue in a timely manner:*

T3 chairman, Nigel Barns, attended most of the SWG3 sessions on (U)SIM aspects of MMS. Three incoming LSs, T2-020832 (LS from SA1 on Continuity of MMS Service), T2-020844 (LS from T3 on MMS Parameters on the USIM) and T2-020887 (LS from SA1 to SA cc T2 on agreed matrices of ME/SIM ME/USIM combinations for MMS service and Releases) were processed.

In particular the SA1 LS, T2-020887, was discussed at length. SWG3 concluded that there seems to be a contradiction between the statements / matrices in the LS and the attached CR to 22.140. In addition, T2 discussed whether there is a contradiction with the decision taken at SA#17 and seeks clarification from SA1 and SA in LS T2-020958.

Hence, a REL-4 CR could not be approved; waiting for clarification from SA1/SA. However, a REL-5 CR to 23.140 was approved in T2-020946 (MMS UA behaviour regarding the MMS parameters on the (U)SIM).

Still there was concern that this latter CR is binding an MMS User Agent (application) to the ME (hardware). So far, MMS User Agent was designed and defined just as an application independent of the device where it would be used. This CR prohibits the use of Rel-5 MMS User Agents on devices, which are not aware of (U)SIM or can not use (U)SIM. **SWG3 kindly asks the T2 chairman to make T aware of this concern.**

- *Directory number support in MMS: T2 to use stage 1 requirements from 22.101 => impact on 23.140:*

SWG3 analysed the 22.101 requirement and identified that an MM may contain a number of different text component parts (e.g. Subject field, text attachments) and it is unclear whether the intention of 22.101 was to allow the identification of a Directory Number in a particular component part or any component part. SWG3 seeks clarification from SA1 in LS T2-020944 (Directory Number in MMS REL-6).

Action items from SA plenary:

- *MMS support for SIM: Rel-4 T3 CRs were approved => impact on 23.140:*

See action items from T plenary.

- *Message size: SA5 CR to 32.235 defining message size was approved => impact on 23.140*

A CR to 23.140 REL-5 was approved in T2-020943. It aligns the message size definition with the current definition in SA5's specification 32.235 REL-4. After thorough analysis T2 identified a need to clarify ambiguities in SA5's definition which are due to the MMS message format – still in-line with the principles behind SA5's current definition. In an LS to SA5, T2-020947, points this out and kindly asks them to change their REL-4 such that they copy the improved MMS Message Size definition and refer to it for REL-5 and future releases.

Action items from T2 opening plenary – if any

- *JM T2/SA5: T2 should review questions/comments from the MMS presentation*

SWG3 reviewed the list of questions and comments from SA5 which resulted from the JM in August. These are answered in an LS to SA5 in a T2-020956.

- *JM T2/SA5: T2 shall review the GSMA BARG's new requirement list on MM size*

See action items from SA plenary.

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- *JM T2/SA5: T2 shall update mandatory retrieval acknowledgement in Rel.4 as made in Rel.5*

SWG3 discussed SA5's request and concluded that it does not plan to mandate the MMS User Agent to acknowledge the MM retrieval. SA5 is informed about this decision in LS T2-020956. In addition, SWG3 clarified that an MMS Relay/Server can request an acknowledgement from the recipient MMS User Agent which the latter must support. I.e., an operator can configure an MMS Relay/Server such that it will always get an acknowlegement from the recipient MMS User Agent.

CBS matters

The only CBS related document was an LS from T3 on CBS data parameters, T2-020839. The raised issue could not be concluded and will be resolved until the next meeting.

SMS matters

Four incoming SMS-related LSs were processed. On the new Area Event location service an LS to SA2 was created in T2-020950 recommending the selection of the LCS (terminal)-based solution.

EMS matters

None.

MMS REL-4 issues

See action items on MMS and (U)SIM from T and SA plenary.

MMS REL-5 issues

See action items on MMS and (U)SIM from T and SA plenary.

See action item on MMS Message Size Definition from SA plenary.

In addition, corrections to the MM7 XML Schema and examples were agreed in T2-020952.

MMS REL-6 issues

Two CRs, T2-020955 and T2-020957, on MM4 enhancements were approved.

Furthermore, MM1 notifications, encryption and signing of MMs, proposals to specify MM3 and MM2 reference points, MM7 enhancements, Roaming Awareness of the MMS Relay/Server and additional MM4 enhancements were discussed but not concluded. These topics are to be discussed further via email.

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Future Meetings:

The additional SWG3 meeting, planned 9 - 13 Dec 2002 was cancelled.

Meeting	Date	Venue	Comment
CANCELLED: ____ SWG3#12	CANCELLED: ~~9 - 13 Dec 2002~~	CANCELLED	CANCELLED
T2#20	20 - 24 Jan 2003	San Francisco, US	ATTWS
T2#21	12-16 May 2003	US	American Friends of 3GPP
T2#22	25-29 Aug 2003	Cambridge (tbc)	TTPCOM (tbc)
T2#23	17-21 Nov 2003		host needed

Output Change Requests from SWG3:

CBS:

None

SMS:

None

EMS:

None

MMS:

tdoc #	Subject	Source	Status within SWG3	Comments

T2-020943	CR 23.140 REL-5 Message Size	Vodafone, Orange, Telia, T-mobile	approved	revised T2-020940
T2-020946	CR 23.140 Rel-5 MMS UA behaviour regarding the MMS parameters on the (U)SIM	GEMPLUS, Orange, Vodafone	approved	revised T2-020928
T2-020952	CR 23.140 REL-5 Corrections to MM7 XML Schema and examples	Nokia	approved	revision of T2-020924
T2-020955	CR 23.140 REL-6 Version Handling on MM4	Ericsson	approved	
T2-020957	CR 23.140 REL-6 Addition of support for "Bcc" field in the MM4 reference point	Nokia	approved	revised T2-020926

<mark>Output Liaison Statements from SWG3:</mark>

CBS:

None

SMS:

tdoc #	Subject	Source	Status within SWG3	Comments
T2-020950	LS to SA2 cc T3 and RAN2 on the new Area Event location service	Nokia	approved	

EMS:

None

MMS:

tdoc #	Subject	Source	Status within SWG3	Comments
T2-020944	LS to SA1 on Directory Number in MMS REL-6	Teleca	approved	

T2-020947	LS to SA5, cc SA and BARG on MM size definition	Vodafone	approved	
T2-020948	LS to SA1, OMA-MWS, GSMA SERG, cc OMA-REQ, OMA-MMDC, OMA-LCS, SA5 on Enhancements to Provide Additional Functionality On The MM7 Interface	Comverse	approved	
T2-020949	LS to SA1 on OSA/MWS support for MMS	Nokia	approved	
T2-020951	LS to SA1 cc SA2, SA5, CPWP on Roaming Awareness	Vodafone	approved	reply-LS to T2-020889
T2-020956	LS to SA5 on answering questions from the MMS presentation at the JM	Telia	approved	
T2-020958	LS to SA1 and SA, cc T3 on agreed matrices of ME/SIM ME/USIM combinations for MMS service and Releases	Motorola	approved	

List of postponed documents:

tdoc #	Subject	Source	Status within SWG3	Comments
T2-020886	LS from SA1 to T2, T3 on the melodies storage feature in the USIM in release 6	S1-022346	postponed	postponed after discussion

List of Action Items:

AI#	Related tdoc #	Subject	Action Item / Responsible
1	T2-020839	LS from T3 on Cell Broadcast Download data parameters	Ian to resolve until next meeting
2	T2-020842	LS from SA2 on IMS messaging (3GPP TR 22.940)	Andrew/Ville/Rami to conduct analysis on applicability of MMS arc to IMS Messaging "deferred" mode
3	T2-020849	LS from GSMA SERG on MM4 Interface and DMZ Architectures for MMS	reply-LS to be created to SA5, BARG, SERG, IREG

Tim to create the reply-LS |

4	T2-020923	CR 23.140: Handling of different MMS notifications	Phillippe to lead email discussion
5	T2-020929	MMS Security services	Volahanta to lead email discussion to find out implications on MMS service
6	T2-020933	Discussion paper on "MMS Email Connectivity MM3 Standardization"	Rami to lead a email discussion on MM3 scope
7	T2-020935	Discussion Paper on MM2 Interface to MMBox	Rami to lead a email discussion on MMbox interface
8	T2-020953	CR 23.140 REL-5 Clarification of how MMS connectivity information shall be stored on USIM	Azadeh to lead email discussion
9	T2-020954	CR 23.140 Recipient Handling on MM4	Sam to take this CR on email dicussion
10	T2-020955	CR 23.140 REL-6 Version Handling on MM4	
11	T2-020956	LS to SA5 on answering questions from the MMS presentation at the JM	
12	T2-020957	CR 23.140 REL-6 Addition of support for "Bcc" field in the MM4 reference point	ECS / VOD to create similar CRs for earlier releases

Detailed Report:

General:

Tdoc	Title	Source	Comment
T2-020937	**Report from joint T2 SWG3/SA5 SWG-B/GSMA BARG CPWP meeting on MMS Charging**	Telia	Document for: Information and action

Discussion: Answers to the SA5 questions were enhanced/clarified by the group. It took long time to cover long list of SA5 questions. Randall Grund asked clarification about the document. Randall Grund and Rami Neudorfer questioned the way the document in written.

Conclusion: An LS (T2-020956) to be drafted by Henrik Thuuesson for SA5. The LS to contain the enhanced/clarified answers. The document is noted.

Action items from T plenary:

TDoc	Title	Source	Comment
No tdoc	Directory number support in MMS: T2 to use stage 1 requirements from 22.101 => impact on 23.140 ?		

Discussion: TS 22.101 v6.1.0 mentions about supporting directory number in MMS. So, it is a Rel-6 issue. The scope within MMS is not clear from the TS. Moreover, it is specified in the wrong specification (MMS has dedicated stage 1 – TS 22.140. Ian Harris to write an LS (T2-020944) to SA1 asking clarification/change on the points, so that the feature can be followed in a systematic way in the stage 2 (23.140).

Conclusion: see LS in T2-020944

Action items from SA plenary:

See related tdocs below

Action items from T2 opening plenary – IF ANY:

See related tdocs below

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Incoming Liaison Statements:

Tdoc	Title	Source	Comment
T2-020844	LS on MMS Parameters on the USIM	T3	To: T2; Cc: T

Discussion: The LS was presented to the last T meeting as well.

Conclusion: The LS is noted.

Tdoc	Title	Source	Comment
T2-020832	Liaison Statement on Continuity of MMS Service	SA1	To: T2, GSMA SERG, GSMNA; Cc: T3

Discussion:

Conclusion: The LS is noted.

TDoc	Title	Source	Comment
T2-020887	Agreed matrices of ME/SIM ME/USIM combinations for MMS service and Releases	SA1	To: SA; Cc: T2, T3

Discussion: One Matrix is missing – GERAN terminal and USIM. Corresponding SA1 CRs are S1-022387 (Rel-5) and S1-022386 (Rel-4). Following is understood from the CRs:

It is optional for GERAN MMS terminal to support MMS information on SIM. It is mandatory for UTRAN MMS terminal to support MMS information on USIM.

It is also understood in the group that GERAN Rel-4 MMS terminal may support MMS information on USIM. But, the corresponding CR (S1-022386) contradicts the understanding. Using information on SIM by UTRAN terminal is also a question.

Conclusion: The LS is noted. An LS (T2-020942) to be sent to SA1 and SA (Cc: T3) to indicate the above-mentioned issues. Nigel Barnes (Motorola) to draft the outgoing LS.

TDoc	Title	Source	Comment
T2-020843	LS reply on MMS Volume Definition	SA5	To: T2, GSMA BARG CPWP

Discussion:

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Conclusion: The LS is noted.

Tdoc	Title	Source	Comment
T2-020846	LS to 3GPP SA5, 3GPP T2 on the MMS message size definition	GSM BARG	To: T2 and SA5

Discussion:

Conclusion: The LS is noted.

Tdoc	Title	Source	Comment
T2-020839	**LS on Cell Broadcast Download data parameters**	T3	To: T2 and RAN2

Discussion: Josef Laumen to consult Ian Harris to sort out the issue.

Conclusion: Ian Harris to resolve the issue by the next meeting. The LS is noted.

Tdoc	Title	Source	Comment
T2-020848	**LS regarding MMS Billing and Charging**	SERG	To: T2, OMA MMDC, SA5; Cc: GSMA CPWP, SA1, OMA Requirements Group

Discussion: Proposed (by Nokia, Ericsson, Dynamicsoft) not to have detailed discussion on the LS, as there is no contribution. Rami Neudorfer wanted to discuss certain issues. Agreed not to discuss the LS in detail.

Conclusion: The LS is noted.

Tdoc	Title	Source	Comment
T2-020865	LS reply on MMS Billing and Charging	SA5	To: GSMA SERG; Cc: T2, SA1, OMA MMDC, OMA Requirements Group

Discussion:

Conclusion: The LS is noted.

Tdoc	Title	Source	Comment
T2-020864	Reply LS on MMS Charging	SA5	To: GSMA BARG, GSMA CPWP; Cc: GSMA SERG, 3GPP T2

Discussion:

Conclusion: The LS is noted.

Tdoc	Title	Source	Comment
T2-020851	Liaison Statement Recommending MIME Types To Be Supported	SERG	To: MMS IOP, MSIG, 3GPP T2, OMA IOP, OMA MMDC, 3GPP SA4; Cc: 3GPP SA1, OMA Requirements Group

Discussion:

Conclusion: The LS is noted.

Tdoc	Title	Source	Comment
T2-020859	Synthetic video media type	SA4	To: T2

Discussion:

Conclusion: The LS is noted.

Tdoc	Title	Source	Comment
T2-020860	Synthetic video media type	SA4	To: SA1; Cc: T2

Discussion:

Conclusion: The LS is noted.

Tdoc	Title	Source	Comment
T2-020861	LS informing about two CRs to TS 26.140	SA4	To: T2

Discussion:

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Conclusion: The LS is noted.

Tdoc	Title	Source	Comment
T2-020863	Reply LS on Draft Work Item Description PSS Rel-6	SA5	To: SA4; Cc: SA1, SA2, SA3 and T2

Discussion:

Conclusion: The LS is noted.

Tdoc	Title	Source	Comment
T2-020885	Synthetic Video	SA1	To: SA4; Cc: T2

Discussion:

Conclusion: The LS is noted.

Tdoc	Title	Source	Comment
T2-020886	LS on the melodies storage feature in the USIM in release 6	SA1	To: T2, T3

Discussion: There were questions about the objective of the LS. The LS was postponed due to lack of understanding/opinion on the issue.

Conclusion: The LS is postponed for the next meeting.

Tdoc	Title	Source	Comment
T2-020890	Liaison Statement on Additional Tags for MMS SMIL	SA4	To: GSMA SERG, OMA IOP Group, OMA MMDC, 3GPP T2 SWG 3, OMA Requirements Group, 3GPP SA1, GSMA MSIG

Discussion:

Conclusion: The LS is noted.

Tdoc	Title	Source	Comment
T2-020847	LS Regarding Definition of SMIL and Ability to Forward MM Elements Independently	SERG	To: MMS IOP Group, OMA IOP Group, OMA MMDC, 3GPP T2 SWG3, 3GPP SA4; Cc: GSMA MSIG, 3GPP SA1, OMA Requirements Group

Discussion:

Conclusion: The LS is noted.

Tdoc	Title	Source	Comment
T2-020891	LS on "Work Item Description PSS Rel-6"	SA4	To: SA5; Cc: SA1, SA2, SA3 and T2

Discussion:

Conclusion: The LS is noted.

Tdoc	Title	Source	Comment
T2-020841	LS on MMS charges based upon the roamed to network	SA2	To: 3GPP-CN4; Cc: GSMA-BARG, GSMA-CPWP, 3GPP-T2

Discussion:

Conclusion: The LS is noted.

Tdoc	Title	Source	Comment
T2-020855	**LS on MMS charges based upon the roamed to network**	CN4	To: 3GPP-SA2; Cc: 3GPP-T2, 3GPP-SA5, GSMA-BARG, GSMA-CPWP

Discussion:

Conclusion: The LS is noted.

Tdoc	Title	Source	Comment
T2-020868	Response to "LS on MMS charges based upon the roamed to network"	SA2	To: CN4; Cc: T2, SA5, GSMA-BARG, GSMA-CPWP

Discussion:

Conclusion: The LS is noted.

Tdoc	Title	Source	Comment
T2-020830	LS on IMS messaging (3GPP TR 22.940)	SA1	To: SA2; Cc: T2 and CN1

Discussion:

Conclusion: The LS is noted.

Tdoc	Title	Source	Comment
T2-020842	LS on IMS messaging (3GPP TR 22.940)	SA2	To: SA1, T2, CN1

Discussion: Long discussion about the historical and procedural issues – places of standardising (work distribution) of different kinds of messaging.

Comverse have reservation about the work distribution of over-all messaging works, which is basically an SA issue.

Conclusion: Andrew Allen (Dynamicsoft), Rami Neudorfer (Comverse) and Ville Warsta (Nokia) to look into the LS and comeback with a reply LS by the next meeting. The incoming LS is noted.

Tdoc	Title	Source	Comment
T2-020853	Response Liaison statement on "IMS Messaging"	CN1	To: SA1, SA2; Cc: T2

Discussion:

Conclusion: The LS is noted.

Tdoc	Title	Source	Comment
T2-020888	Response LS on "IMS Messaging"	SA1	To: CN1, SA2; Cc: T2

Discussion: The attachments of the LS were missing.

Conclusion: The LS is noted.

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Tdoc	Title	Source	Comment
T2-020854	LS on Packet switched SMS handling in UMTS network	CN2	To: SA2, T2

Discussion:

Conclusion: The LS is noted.

Tdoc	Title	Source	Comment
T2-020867	Response to "LS on Packet switched SMS handling in UMTS network"	SA2	To: CN2, T2

Discussion:

Conclusion: The LS is noted.

Tdoc	Title	Source	Comment
T2-020866	LS on the new Area Event location service	SA2	To: TSG T3 and TSG T2

Discussion: Paolo Franzoi informed that SA2 is still waiting for feedback from both T2 and T3. Paolo also updated the group about the over all situation regarding the LS. Nokia, Ericsson and Siemens indicated their support in favour of the LCS based solution. The group agreed that LCS based solution is the preferred solution for the group.

Conclusion: Paul Voskar to draft a reply LS (T2-020950) pointing out T2's preference for LCS based solution indicating the reasons. The incoming LS is noted.

Tdoc	Title	Source	Comment
T2-020874	LS on Area Event location service	T3	To: SA2; Cc: T2

Discussion:

Conclusion: The LS is noted.

Tdoc	Title	Source	Comment

T2-020852	Liaison Statement regarding Support for non MMS Capable Handsets	SERG	To: 3GPP T2, MMS/OMA IOP, OMA MMDC; Cc: 3GPP SA1, OMA Requirements Group

Discussion:

Conclusion: The LS is noted.

Tdoc	Title	Source	Comment
T2-020849	LS to 3GPP T2 Regarding MM4 Interface and DMZ Architectures for MMS	SERG	To: 3GPP T2; Cc: GSMA CPWP, GSMA IREG, 3GPP SA1, OMA Requirements Group, OMA MMDC

Discussion: Ville Warsta pointed out that this is related to an old LS sent from T2 to IREG (T2-020035). Ville also points out that the LS answers to an old T2 question about using SMTP extension – not to use SMTP extension, as operators may use MTA across MM4 reference point..

Conclusion: To send a reply LS to SERG, BARG, IREG and SA5 later. Email discussion to follow lead by Tim Ambrose. The LS is noted.

Tdoc	Title	Source	Comment
T2-020858	**LS to 3GPP SA5 and 3GPP T2 on MMS charging based on SMTP codes**	BARG	To: 3GPP SA5, 3GPP T2; Cc: GSMA SERG, GSMA IREG

Discussion: On the same issue like T2-020849.

Conclusion: The LS is noted.

Tdoc	Title	Source	Comment
T2-020835	LS on Joint Meeting SA5/T2 on MMS charging	SA5	To: CN5; Cc: T2, SA1, SA2

Discussion:

Conclusion: The LS is noted.

Tdoc	Title	Source	Comment

| T2-020850 | Liaison Statement Requesting Enhancements To The Specification Of MMS Server/ Relay To Provide Additional Functionality On The MM7 Interface Supporting Value Added Service Providers | SERG | To: 3GPP T2; Cc: 3GPP SA1, OMA Requiremens Group, OMA MMDC, OMA Location Working Group, 3GPP SA5 |

Discussion: Ville Warsta and Rami Neudorfer mentioned that many of the issues of the LS are generic (not MMS-specific).

Conclusion: To send an LS (T2-020948) to SA1, OMA MWS and GSMA SERG (Cc to all others mentioned in the incoming LS) pointing out the scope within MMS and also indicating generic issues at the same time - Rami Neudorfer to draft the outgoing LS. The incoming LS is noted.

Tdoc	Title	Source	Comment
T2-020871	LS on OSA support for MMS	SA1	To: T2; Cc: CN5

Discussion:

Conclusion: Ville Warsta to draft an LS (T2-020949) for SA1. The incoming LS is noted.

Tdoc	Title	Source	Comment
T2-020856	LS MMS REL-5 Stage 3	3GPP TSG T	To: OMA; Cc: 3GPP TSG T WG2

Discussion:

Conclusion: The LS is noted.

Tdoc	Title	Source	Comment
T2-020870	Reply on Requirement for standardizing a Transcoding interface	SA1	To: T2, SA2; Cc: GSMA SERG

Discussion:

Conclusion: The LS is noted.

Tdoc	Title	Source	Comment

| T2-020872 | Liaison Statement on subscriber certificates | SA1 | To: SA3, SA2, T2; Cc: SA5 |

Discussion:

Conclusion: The LS is noted.

Tdoc	Title	Source	Comment
T2-020889	LS on Re: LS on Roaming Awareness	SA1	To: T2; Cc: SA2, SA5, GSMA CPWP

Discussion: Paolo Franzoi thinks that there is need of transporting roaming information from network to home MMS Relay/Server for integrated charging purpose.

Conclusion: Paolo Franzoi to draft a reply LS (T2-020951) indicating the above-mentioned point. The incoming LS is noted

EMS matters:

Tdoc	Title	Source	Comment
T2-020939	**EMS Text Format Extended Object**	Ericsson	Withdrawn

Discussion:

Conclusion: WITHDRAWN

Tdoc	Title	Source	Comment
T2-020941	EMS Text Format Extended Object	Ericsson	Withdrawn

Discussion: Updated version of T2-020939.

Conclusion: WITHDRAWN

MMS REL-4 issues:

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Tdoc	Title	Source	Comment
T2-020927	**MMS UA behaviour regarding the MMS parameters on the (U)SIM**	GEMPLUS Card International, ORANGE, VODAFONE	CR (Revised to T2-020945)

Discussion: An off-line discussion to follow.

Conclusion: Revised to T2-020945. The CR is noted.

Tdoc	Title	Source	Comment
T2-020945	MMS UA behaviour regarding the MMS parameters on the (U)SIM	GEMPLUS Card International, Orange, Vodafone, Cingular, Telefonica, TIM	CR (Revised from T2-020927)

Discussion: Comments and concerns from Nokia, Siemens and AWS.

Conclusion: The CR is noted. The issue to be solved by the next meeting, upon clear clarification from SA and SA1.

MMS REL-5 issues:

Tdoc	Title	Source	Comment
T2-020928	MMS UA behaviour regarding the MMS parameters on the (U)SIM	Gemplus Card International, Orange, Vodafone	**CR. Revised to T2-020946**

Discussion: Long off-line discussion followed in the evening (November 18). The CR was modified to realise the LS (T2-020887) coming from SA1. An on-line correction made as proposed by Josef Laumen.

Conclusion: Noted. Revised to T2-020946. The CR is noted.

Tdoc	Title	Source	Comment

T2-020940	MMS message size definition and its support on the MMS UA	Vodafone, Orange, Telia, T-Mobile	**CR. Revised to T2-020943**

Discussion: Ville Warsta pointed out that it is proposing new feature to a frozen spec (Rel-5). Paolo Franzoi asked why different size is possible on MM4. Nokia replies that encoding on MTAs is not unique, as it is beyond the scope of MMS specification. Nokia also points out that unique message size across MM4 and MM1 might not be possible even if message size is based on raw data, as proposed by Josef Laumen. Rami Neudorfer supports the CR. H3G, Vodafone and Telia wants to have the new feature. Nokia pointed out that there is technical problem in showing exact message size in a dynamic fashion. Off-line discussion to resolve the issues among interested people.

Conclusion: The CR is noted. Revised to T2-020943.

Tdoc	Title	Source	Comment
T2-020943	MMS message size definition and its support on the MMS UA	Vodafone, Orange, Telia, T-Mobile	**CR (Revised from T2-020940)**

Discussion: Ville Warsta presented the off-line work in terms of a draft version of the CR (revised from T2-020943). Change in section 5 is kept open to be decided in the bigger group. Some corrections (mainly editorial) are made online. The new requirement of showing message size prior submission is changed to consider the practical limitation pointed out by Nokia. There was no objection in having the MMI feature in the frozen specification. So, it was kept in the CR. Concerns from Michael Ishizue about redundant sentence in the CR. Off-line work to follow to remove the redundancy.

Paolo presented the next draft version of the CR. Still, on-line modifications made on the CR. It was understood that SA5 can't refer from their Rel-4 specification to T2 Rel-5 specification for the definition of message size purpose.

Conclusion: An LS to be sent to SA and BARG to update them. Paolo Franzoi agreed to draft the LS (T2-020947). Agreed to ask SA5 to copy T2 message size definition to their Rel-4 specification, and start referring T2 specification for message size definition from their Rel-5 specification onward. The CR is approved.

Tdoc	Title	Source	Comment
T2-020925	**Explanation of corrections to MM7 XML Schema and examples**	Nokia	Discussion document, related to T2-020924

Discussion: Ville Warsta presented the document. Follow up CR is the T2-020924.

Conclusion: Noted.

Tdoc	Title	Source	Comment
T2-020924	**Further corrections towards the MM7 XML Schema and MM7 examples**	Nokia	CR for Rel-5

Discussion: Ville Warsta presented the document. Rami Neudorfer needs some time to check it internally. Ville to prepare a new version fixing a problem pointed out by Sam Dehoyos.

Conclusion: T2-020952 is the revised version of the CR. The CR is noted.

Tdoc	Title	Source	Comment
T2-020952	Further corrections towards the MM7 XML Schema and MM7 examples	Nokia	Revised from T2-020924

Discussion: Comverse showed the green signal to the CR after internal discussion.

Conclusion: The CR is approved.

Tdoc	Title	Source	Comment
T2-020946	MMS UA behaviour regarding the MMS parameters on the (U)SIM	GEMPLUS Card International, ORANGE, VODAFONE	**CR (Revised from T2-020928)**

Discussion: There was concern that this CR is binding MMS UA (application) to ME (hardware). So fur, MMS UA has been designed and defined just as an application independent of the device where it would be used. This CR restricts the use of Rel-5 MMS UA on a device, which is not aware of (U)SIM or can not use (U)SIM.

Conclusion: Approved with a special note in the executive summary.

Tdoc	Title	Source	Comment
T2-020953	Clarification of how MMS connectivity information shall be stored on USIM.	**Ericsson**	**CR for Rel-5**

Discussion: Concerns to put the example in normative annex.

Conclusion: Agreed, in principle, to have an example – but not decided if the location of the example is 23.140 or 31.102/51.011. Azadeh Pourjanaki to lead an follow up email discussion on the issue. The CR is noted.

MMS REL-6 issues:

Tdoc	Title	Source	Comment
T2-020922	The VIM format for Synthetic Video	IAEI	Withdrawn

Discussion: Document was not available.

Conclusion: WITHDRAWN

Tdoc	Title	Source	Comment
T2-020936	Synthetic Video	EMC2, IAEI	Withdrawn

Discussion: Document was not available.

Conclusion: WITHDRAWN

Tdoc	Title	Source	Comment
T2-020926	Addition of support for "Bcc" field in the MM4 reference point	Nokia	CR for Rel-6 (revised to T2-020957)

Discussion: In principle, the problem was understood. Ville Warsta proposed to work off-line to fix the confusion over putting "Bcc" in tables. Sam Dehoyos questioned why this should not be applied to Rel-4 and Rel-5 as correction. Long discussion if it is bug fix. Paolo Franzoi proposed to close the CR right away, as it is a matter of a NOTE in Table 40. Correction is made in the NOTE. Additional NOTE is added in tables. Category is also changed to F. Nokia told that it can go back to previous releases as correction only as a special case – not to consider it to be normal working procedure.

Conclusion: Revised to T2-020957. The CR is noted. Intension to have CR for previous releases was agreed in principle (to be handled by Vodafone and Ericsson).

Tdoc	Title	Source	Comment
T2-020931	**Recipient Handling on MM4**	Ericsson	CR for Rel-6 (revised to T2-020954)

Discussion: Ville Warsta and Sam Dehoyos to work off-line to remove identified confusion.

Conclusion: Revise to T2-020954. The CR is noted.

Tdoc	Title	Source	Comment
T2-020932	Version Handling on MM4	Ericsson	CR for Rel-6 (Revised to T2-020955)

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Discussion: Few issues are identified to be sorted out. One rather straight forward issue is 3GPP MMS does not classify major and minor versions. Sam Dehoyos, Ville Warsta and other interested people to discuss off-line.

Conclusion: Revised to T2-020955. The CR is noted.

Tdoc	Title	Source	Comment
T2-020954	Recipient Handling on MM4	Ericsson	Revised from T2-020931 (CR for Rel-6)

Discussion: Sam Dehoyos presented the revised CR. Online corrections are made on the draft CR. Long discussion followed to fix concerns and comments. Some issues remain to be solved/agreed.

Conclusion: Sam Dehoyos to lead an Email discussion on the CR. The CR is noted.

Tdoc	Title	Source	Comment
T2-020955	Version Handling on MM4	Ericsson	Revised from T2-020932 (CR for Rel-6)

Discussion: Sam Dehoyos presented the revised draft CR. Online corrections are made on the draft CR.

Conclusion: The CR is approved.

Tdoc	Title	Source	Comment
T2-020957	**Addition of support for "Bcc" field in the MM4 reference point**	Nokia	CR (revised from T2-020926)

Discussion:

Conclusion: The CR is approved.

Tdoc	Title	Source	Comment
T2-020929	MMS end-to-end security services based on S/MIME and/or OpenPGP and USIM	GEMPLUS Card International, Openwave	Powerpoint presentation (follow up CR in T2-020930)

Discussion: Presented by Volahanta Ramiaramanana. Number of questions, comments and concerns – to consult with T3 and SA3, implication on the existing MMS model (content adaptation, user experience, charging, read report, key distribution, MM1, MM4, eroor cases, delivery report), pros and cons of of having additional security, etc.

Conclusion: Volahanta to lead an email discussion on the issue to sort our above-mentioned points. The document is noted.

Tdoc	Title	Source	Comment
T2-020930	**MMS Security services**	GEMPLUS Card International, Openwave	CR for Rel-6 (follow up CR for T2-020929)

Discussion: Presented by Volahanta Ramiaramanana. Rami Neudorfer said that MMS related major implications missing in the CR, and thus, needs major revision.

Conclusion: The CR is noted. See the conclusion of T2-020929.

Tdoc	Title	Source	Comment
T2-020934	**MMS MM3 connectivity**	Comverse	Powerpoint presentation. T2-030933 is the follow up discussion document.

Discussion: Rami Neudorfer presented the document. Ville Warsta points out that SNAP is not matured enough to be considered – SNAP does not have any WG reference. AWS finds the idea of interworking with Email positive. H3G supports the idea of working further on the subject.

Conclusion: The document is noted. Rami to lead Email discussion on the issue.

Tdoc	Title	Source	Comment
T2-020933	**MMS Email Connectivity MM3 Standardization**	Comverse	Discussion document (follow up of T2-020934)

Discussion: Rami Neudorfer presented the document. See T2-020934.

Conclusion: The document is noted.

Tdoc	Title	Source	Comment
T2-020935	**Discussion Paper on MM2 (?) Interface to MMBox**	Comverse	Discussion document

Discussion: There are comments in Email on the reflector.

Conclusion: The document is noted. Rami to lead Email discussion on the issue.

Tdoc	Title	Source	Comment
T2-020923	**New field 'Autofetch' in MMS notification**	Telefonica Moviles, Orange	

Discussion: The source is misleading in the source. The real sources of the CR are Telefonica Moviles and Orange. Concerns from Nokia, Ericsson and Siemens not to provide final control to the hand of end users.

Conclusion: The CR is noted. Philippe Bellordre to lead email discussion on the issue.

Tdoc	Title	Source	Comment
T2-020725	Support of multiple MMS Relay/Servers by MMS Client	Comverse	Discussion document

Discussion:

Conclusion: The document is noted.

Tdoc	Title	Source	Comment
T2-020601	**Restructuring 23.140**	Siemens	Discussion

Discussion:

Conclusion: The document is noted.

Outgoing LSs:

Tdoc	Title	Source	Comment
T2-020942	LS on MMS parameter storage on the (U)SIM, and the Stage 1 Rel-4 specifications	T2	Outgoing LS To: SA1, SA; Cc: T3 (Revised to T2-020958)

Discussion: Nigel Barnes presented the LS. Long discussion followed the presentation. Idea was to indicate the already identified impractical requirement in the Rel-4 CR (S1-022386) (mandatory requirement for GERAN Rel-4 terminal to use MMS information on USIM) and to point out the missing matrix from the LS T2-020887 (GERAN terminal and USIM). It was pointed out by Nokia that the new SA1 requirements, as found in the Rel-4 CR (S1-022386), contradicts

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with the SA#17 agreement (support is optional for the Release 4 MS). So, the presented LS was modified to point out the contradiction.

Conclusion: Revised to T2-020958. The document is noted.

Tdoc	Title	Source	Comment
T2-020958	LS on MMS parameter storage on the (U)SIM, and the Stage 1 Rel-4 specifications	T2	Outgoing LS To: SA1, SA; Cc: T3, T (Revised from T2-020942)

Discussion:

Conclusion: The LS is approved.

Tdoc	Title	Source	Comment
T2-020944	**LS – Identification of a Directory Number in MMS**	**T2**	Outgoing LS To: SA1

Discussion: Ian Harris presented the draft LS. In response to Miraj's question, change is made on the draft LS – asking SA1 to add the requirement in 22.140 (MMS stage 1).

Conclusion: The LS is approved.

Tdoc	Title	Source	Comment
T2-020947	LS on Alignment of MMS Message Size definition	T2	**Outgoing LS To: SA5, GSMA/BARG/CPWP; Cc: SA, T**

Discussion: Paolo Franzoi presented the draft LS. Couple of changes made online on the draft LS.

Conclusion: The LS is approved.

Tdoc	Title	Source	Comment
T2-020948	LS on MM7 functionality enhancements requested by GSMA SERG	T2	Outgoing LS To: GSMA SERG; Cc: 3GPP SA1, OMA Requirements Group, OMA Mobile Web Services Group, OMA Location Working Group, 3GPP SA5

Discussion: Rami Neudorfer presented the draft LS. Few corrections are made on-line.

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Conclusion: <mark>The LS is approved.</mark>

Tdoc	Title	Source	Comment
T2-020949	Re: LS on OSA support for MMS	T2	Outgoing LS To: SA1; Cc: CN5

Discussion: Ville Warsta presented the draft LS. Few corrections are made on-line.

Conclusion: <mark>The LS is approved.</mark>

Tdoc	Title	Source	Comment
T2-020950	**Reply LS on the new Area Event location service**	T2	Outgoing LS To: SA2; Cc: T3, RAN2

Discussion: Paul Voskar presented the draft LS. Few corrections are made on-line.

Conclusion: <mark>The LS is approved.</mark>

Tdoc	Title	Source	Comment
T2-020956	LS on Answering Question from MMS Presentation	T2	Outgoing LS To: SA5, GSMA BARG CPWP

Discussion: Henrik Thuvesson presented the draft LS. Few corrections are made on-line.

Conclusion: <mark>The LS is approved.</mark>

Tdoc	Title	Source	Comment
T2-020951	**LS on Roaming Awareness**	T2	Outgoing LS To: SA1; Cc; SA5, SA2, GSMA CPWP

Discussion: Paolo Franzoi presented the draft LS. Few corrections are made on-line.

Conclusion: <mark>The LS is approved.</mark>

<mark>AOB:</mark>

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Tdoc	Title	Source	Comment
No tdoc	LS handling – how to save time on LSs		

Discussion: The processing of LSs within SWG3 was discussed, in particular how to spend time on LSs. Several suggestions were made:

        i.   List with "to be noted" suggestion

        ii.   cc-LSs to be noted unless someone wants to look at them

  B. Outgoing:

        i.   Reply-LSs to be done via email

        ii.   Reply-LSs to be prepare prior to the meeting

Conclusion: For incoming LSs it was agreed that Friedhelm pre-processes these and distributes a list of LSs with an action suggested to SWG3 (e.g. "to be noted", "to be treated", "don't know") in advance to the meetings on the SWG3 email reflector. LSs marked as "to be noted" are planned not to be opened during the meeting unless a company requests explicitly to do so.

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 #	Subject	Source	Status within SWG3	SWG3 cluster	Comments
T2-020601	Discussion on restructuring 23.140	Siemens	noted	MMS	
T2-020725	Discussion paper: Support of multiple MMS Relay/Servers by MMS Client	Comverse	noted	MMS	
T2-020830	LS from SA1 cc T2 on IMS messaging	S1-021841	noted	MMS	
T2-020832	LS from SA1 on Continuity of MMS Service	S1-021856	noted	MMS	
T2-020835	LS from SA5 on Joint Meeting SA5/T2 on MMS charging	S5-024339	noted	MMS	
T2-020839	LS from T3 on Cell Broadcast Download data parameters	T3-020708	noted	CBS	Ian to resolve until next meeting
T2-020841	LS from SA2 on MMS charges based upon the roamed to network	S2-022619	noted	MMS	
T2-020842	LS from SA2 on IMS messaging (3GPP TR 22.940)	S2-022626	noted	MMS	Andrew/Ville/Rami to conduct analysis on applicability of MMS arc to IMS Messaging "deferred" mode
T2-020843	LS from SA5: reply on MMS Volume Definition	S5-024337	noted	MMS	
T2-020844	LS from T3 on MMS Parameters on the	T3-020701	noted	MMS	

	USIM				
T2-020846	LS from GSMA BARG on the MMS message size definition	BARG Doc 225/02	noted	MMS	
T2-020847	LS from GSMA SERG on Definition of SMIL and Ability to Forward MM Elements Independently	SERG Doc 194/02 Revision 2	noted	MMS	
T2-020848	LS from GSMA SERG on MMS Billing and Charging	SERG Doc 199/02 Revision 2	noted	MMS	
T2-020849	LS from GSMA SERG on MM4 Interface and DMZ Architectures for MMS	SERG Doc 201/02 rev 1	noted	MMS	reply-LS to be created to SA5, BARG, SERG, IREG Tim to create the reply-LS
T2-020850	LS from GSMA SERG requesting Enhancements to Provide Additional Functionality On The MM7 Interface	SerG Doc 202/02	noted	MMS	reply-LS in T2-020948
T2-020851	LS from GSMA SERG recommending MIME Types To Be Supported	SerG Doc 204/02	noted	MMS	
T2-020852	LS from GSMA SERG regarding Support for non MMS Capable Handsets	SerG Doc 205/02	noted	MMS	
T2-020853	LS from CN1 on IMS Messaging	N1-022055	noted	MMS	
T2-020854	LS from CN2 on Packet switched SMS handling in UMTS network	N2-020898	noted	SMS	
T2-020855	LS from CN4 on MMS charges based upon the roamed to network.	N4-021321	noted	MMS	
T2-020856	LS from TSG-T to OMA on MMS REL-5 Stage 3	TP-020258	noted	MMS	
T2-020858	LS from GSMA BARG on MMS charging based on SMTP codes	BARG Doc 236/02	noted	MMS	see T2-020849
T2-020859	LS from SA4 to T2 on Synthetic video media type	S4-020587	noted	MMS	
T2-020860	LS from SA4 to SA1 cc T2 on Synthetic video media type	S4-020620	noted	MMS	
T2-020861	LS from SA4 informing about two CRs to TS 26.140	S4-020628	noted	MMS	
T2-020863	LS from SA5 to SA4 on Draft Work Item Description PSS Rel-6 from SA4	S5-024469	noted	MMS	
T2-020864	LS from SA5 to GSMA BARG/CPWP on MMS Charging	S5-024470	noted	MMS	
T2-020865	LS from SA5 to GSMA SerG on MMS Billing and Charging	S5-024471	noted	MMS	

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T2-020866	LS from SA2 on the new Area Event location service	S2-023036	noted	SMS	
T2-020867	LS from SA2 on packet switched SMS handling in UMTS network	S2-023127	noted	SMS	
T2-020868	LS from SA2 on MMS charges based upon the roamed to network	S2-023128	noted	MMS	
T2-020870	LS from SA1 to SA2, T2 on Requirement for standardizing a Transcoding interface	S1- 022010	noted	MMS	
T2-020871	LS from SA1 to T2 cc CN5 on OSA support for MMS	S1-022072	noted	MMS	reply-LS in T2-020949
T2-020872	LS from SA1 on subscriber certificates	S1-021685	noted	MMS	
T2-020874	LS from T3 to SA2 cc T2 on Area Event location service	T3-020909	noted	SMS	
T2-020885	LS from SA1 to SA4 cc T2 on Synthetic Video media type	S1-022370	noted	MMS	
T2-020886	LS from SA1 to T2, T3 on the melodies storage feature in the USIM in release 6	S1-022346	postponed	SWG3	postponed after discussion
T2-020887	LS from SA1 to SA cc T2 on agreed matrices of ME/SIM ME/USIM combinations for MMS service and Releases	S1-022374	noted	MMS	
T2-020888	LS from SA1 to CN1, SA2 cc T2 on IMS Messaging	S1-022038	noted	MMS	
T2-020889	LS from SA1 to T2 on Roaming Awareness	S1-022270	noted	MMS	
T2-020890	LS from SA4 on Additional Tags for MMS SMIL	S4 (02)0721	noted	MMS	
T2-020891	LS from SA4 to SA5 cc T2 on Draft Work Item Description PSS Rel-6 from SA4	S4 (02)0733	noted	MMS	
T2-020920	Agenda SWG3#19	SWG3 chairman	approved	SWG3	
T2-020921	Meeting Report SWG3#19	SWG3 chairman	open	SWG3	
T2-020922	withdrawn	withdrawn	withdrawn	withdrawn	withdrawn
T2-020923	CR 23.140: Handling of different MMS notifications	Orange, Telefonica	noted	MMS	Phillippe to lead email discussion
T2-020924	CR 23.140 REL-5 Corrections to MM7 XML Schema and examples	Nokia	noted	MMS	X
T2-020925	Explanation of corrections to MM7 XML Schema and examples	Nokia	noted	MMS	
T2-020926	CR 23.140 REL-6 Addition of support for "Bcc" field in the MM4 reference point	Nokia	noted	MMS	revision in T2-020957

T2-020927	CR 23.140 Rel-4 MMS UA behaviour regarding the MMS parameters on the (U)SIM	Gemplus	noted	MMS	revised in T2-020945
T2-020928	CR 23.140 Rel-5 MMS UA behaviour regarding the MMS parameters on the (U)SIM	Gemplus	noted	MMS	revised in T2-020946
T2-020929	MMS Security services	Gemplus	noted	MMS	Volahanta to lead email discussion to find out implications on MMS service
T2-020930	CR 23.140 Rel-6 MMS Security services	Gemplus	noted	MMS	X
T2-020931	CR 23.140 Recipient Handling on MM4	Ericsson	noted	MMS	revised in T2-020954
T2-020932	CR 23.140 Version Handling on MM4	Ericsson	noted	MMS	revised in T2-020955
T2-020933	Discussion paper on "MMS Email Connectivity MM3 Standardization"	Comverse	noted	MMS	Rami to lead a email discussion on MM3 scope
T2-020934	Powerpoint presentation on "MMS Email Connectivity MM3 Standardization"	Comverse	noted	MMS	X
T2-020935	Discussion Paper on MM2 Interface to MMBox	Comverse	noted	MMS	Rami to lead a email discussion on MMbox interface
T2-020936	withdrawn	withdrawn	withdrawn	withdrawn	withdrawn
T2-020937	Report from joint T2 SWG3/SA5 SWG-B/GSMA BARG CPWP meeting on MMS Charging, 19 Aug. 2002 at Tampere	Telia	noted	MMS	X
T2-020938	withdrawn	withdrawn	withdrawn	withdrawn	withdrawn
T2-020939	withdrawn	withdrawn	withdrawn	withdrawn	withdrawn
T2-020940	CR 23.140 Message Size	Vodafone, Orange, Telia, T-mobile	noted	MMS	revision in T2-020943
T2-020941	withdrawn	withdrawn	withdrawn	withdrawn	withdrawn
T2-020942	LS to SA1 and SA, cc T3 on agreed matrices of ME/SIM ME/USIM combinations for MMS service and Releases	Motorola	noted	MMS	
T2-020943	CR 23.140 REL-5 Message Size	Vodafone, Orange, Telia, T-mobile	approved	MMS	revised T2-020940

T2-020944	LS to SA1 on Directory Number in MMS REL-6	Teleca	approved	MMS	
T2-020945	CR 23.140 Rel-4 MMS UA behaviour regarding the MMS parameters on the (U)SIM	Gemplus, Vodafone, Orange, TIM, Cingular, Telefonica	noted	MMS	revised T2-020927
T2-020946	CR 23.140 Rel-5 MMS UA behaviour regarding the MMS parameters on the (U)SIM	GEMPLUS, Orange, Vodafone	approved	MMS	revised T2-020928
T2-020947	LS to SA5, cc SA and BARG on MM size definition	Vodafone	approved	MMS	
T2-020948	LS to SA1, OMA-MWS, GSMA SERG, cc OMA-REQ, OMA-MMDC, OMA-LCS, SA5 on Enhancements to Provide Additional Functionality On The MM7 Interface	Comverse	approved	MMS	
T2-020949	LS to SA1 on OSA/MWS support for MMS	Nokia	approved	MMS	
T2-020950	LS to SA2 cc T3 and RAN2 on the new Area Event location service	Nokia	approved	SMS	
T2-020951	LS to SA1 cc SA2, SA5, CPWP on Roaming Awareness	Vodafone	approved	MMS	reply-LS to T2-020889
T2-020952	CR 23.140 REL-5 Corrections to MM7 XML Schema and examples	Nokia	approved	MMS	revision of T2-020924
T2-020953	CR 23.140 REL-5 Clarification of how MMS connectivity information shall be stored on USIM	Ericsson	noted	MMS	Azadeh to lead email discussion
T2-020954	CR 23.140 Recipient Handling on MM4	Ericsson	noted	MMS	revision of T2-020931 Sam to take this CR on email dicussion
T2-020955	CR 23.140 REL-6 Version Handling on MM4	Ericsson	approved	MMS	
T2-020956	LS to SA5 on answering questions from the MMS presentation at the JM	Telia	approved	MMS	
T2-020957	CR 23.140 REL-6 Addition of support for "Bcc" field in the MM4 reference point	Nokia	approved	MMS	revised T2-020926 ECS / VOD to create similar CRs for earlier releases
T2-020958	LS to SA1 and SA, cc T3 on agreed matrices of ME/SIM ME/USIM combinations for MMS service and Releases	Motorola	approved	MMS	

T2-020959	not used	not used	unused	n.a.	
T2-020960	not used	not used	unused	n.a.	
T2-020961	not used	not used	unused	n.a.	
T2-020962	not used	not used	unused	n.a.	
T2-020963	not used	not used	unused	n.a.	
T2-020964	not used	not used	unused	n.a.	
T2-020965	not used	not used	unused	n.a.	
T2-020966	not used	not used	unused	n.a.	
T2-020967	not used	not used	unused	n.a.	
T2-020968	not used	not used	unused	n.a.	
T2-020969	not used	not used	unused	n.a.	

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Annex B - Participants List

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