3GPP TSG-T (Terminals) Meeting #25
Palm Springs, CA, USA
8 - 10 September 2004

TP-040169

Draft T2#26 Report V 0.1

3rd Generation Partnership Project (3GPP);
Technical Specification Group Terminals (TSG-T);
Working Group 2 Mobile Terminal Services and Capabilities;
Draft Meeting Report
T2#26
Montreal, Canada, 23-27 August 2004

Contents

Chairman: Ian HARRIS (RIM)

Secretary: Friedhelm RODERMUND (MCC)

1 Opening Plenary

1.1 Opening of the meeting

T2 chairman Ian HARRIS (RIM) opened the meeting. Prem SOOD (Sharp) welcomed the delegates to Montreal on behalf of the North American Friends of 3GPP. He provided some information about Montreal and its large choice of restaurants.

The chairman reported that he had heard with some sadness that Randall GRUND is not longer attending T2 since he has left Motorola. Ian expressed his thanks to Randall in his absence for all the work he did for T2 and for the colour he added to the meeting.

1.2 Approval of the agenda and schedule

T2-040265 contains the agenda and schedule. The agenda was agreed.

1.3 Notification of IPR Obligations

The chairman made the call for IPRs:

> 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 Director-General, or the 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 (e.g. see the ETSI IPR forms http://webapp.etsi.org/Ipr/).

1.4 Report from T2#25

T2-040266 contains the report of T2#25, Edinburgh, 19-23 April 2004.
Status: APPROVED

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

ftp://www.3gpp.org/TSG_T/WG2_Capability/TSGT2_25/Report

1.5 Report from TSG-T#24

T2-040267 contains a summary of issues of T2 interest from the T#24 meeting held in Seoul, Korea 2 - 4 June 2004 presented by the T2 secretary.
Discussion: The T2 chairman reported that at T#24 the old LS from T2 was mentioned in which T2 asked to be kept informed about the codecs selection process. This situation has been reinstated.
A question was raised regarding the statement on the creation of a Rel-7 WID. It was clarified that SA's advice is not to tie WIDs into a release. By the time of the completion of a work item it will be decided at TSG-level which release the work items belongs to. The T2 secretary clarified that it is required to report to the next TSG-T meeting work items which are not complete and by when these items are expected to be completed.
Status: NOTED

T2-040268 contains the draft TSG-T#24 meeting report.
Status: NOTED

The documents can be found on the 3GPP server at:

ftp://ftp.3gpp.org/TSG_T/TSG_T/TSGT_24

The specifications updated after T#24 can be found at:

ftp://www.3gpp.org/Specs/2004_06

1.6 Report from TSG-SA#24

T2-040267 contains a summary of issues of T2 interest from SA#24 meeting held Seoul, Korea, 7 - 10 June 2004 and was presented by the T2 secretary.
Status: NOTED

T2-040269 contains the draft TSG-SA#24 meeting report.
Status: NOTED

The documents can be found on the 3GPP server at:

ftp://ftp.3gpp.org/TSG_SA/TSG_SA/TSGS_24

1.7 Report from TSG T2 Ad Hoc meetings

No Ad Hoc meetings were held since the last T2 meeting.

1.8 Report from other 3GPP groups

None.

1.9 Report from other meetings

A question was raised regarding the status of the MMS transfer discussion in OMA. The T2 secretary reported that according to his knowledge the OMA Landing Pad Task Force has completed their work and the result is a set of recommendations regarding the suggested transfer of specifications from 3GPP and 3GPP2 into OMA. In case OMA aligns their IPR policy with 3GPP, the MMS transfer might be re-discussed at 3GPP PCG level in October.

1.10 3GPP work plan

T2-040270 contains the latest version of the 3GPP work plan. 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.). The work plan is the main management tool for the 3GPP work program. All WGs are requested by the TSGs to review and update the work plan at each meeting.
Discussion: Friedhelm announced that he will consult with the work item rapporteurs for creating the update.
Status: NOTED

T2-040271 contains the list of TSs and TRs for which T2 is responsible showing the latest versions of these specifications.
Discussion: It was noted that rapporteurs are missing for several specifications. T2 vice-chair Nicola VOTE (NTT DoCoMo) volunteered to take on the role as rapporteur for TS 27.007 AT commands. Ian reported that he had contacted all rapporteurs on the list who no longer attend T2. None of them is able to continue the rapporteurship and therefore Friedhelm will take on rapporteurship of these specifications by default. It was clarified that the rapporteurs role involves to ensure consistency regarding CRs and to act as a focal contact point for any issues or queries which may arise.
Status: NOTED

1.11 Registration and subject classification of documents

The document list was presented and the documents were to the agenda items. 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_26_Montreal/Docs

1.11.1 Liaison Statements

All LSs were assigned to agenda topics in advance to the meeting as can be seen in the doclist in Annex A. The following LS were treated during the opening plenary:

T2-040275 contains an LS from CN4 to T2, T, SA2 cc CN on the transfer of T2 GUP TSs.
Discussion: The transfer of GUP work from T2 to CN4 is considered as completed.
Status: NOTED

T2-040277 contains an LS from SA1 to T3, CN1, T1 cc TSG T, T2 on support of multiple HPLMN codes in EF_HPLMNwAcT.
Status: NOTED

T2-040280 contains an LS from SA2 to T2, TSG-T, CN4 cc TSG-CN on Transfer of T2 GUP TSs.
Status: NOTED

T2-040283 contains an LS from SA3 to SA1, T1, T2, GERAN2 cc GSMA SG, DIG on removal of A5/2 from handsets from GSMA SG.
Discussion: It was noted by T2 that the only reference to security algorithms T2 has is in TR 21.904. It was decided some time ago not to further maintain this specification and therefore it might be difficult to change it now. Furthermore, it seemed not that a change is required at all.
Status: NOTED. Reply LS created in T2-040326.

T2-040326 contains an LS from T2 to SA3 cc SA1, T1, GERAN2 on removal of A5/2 from specifications.
Content: T2 requests SA3 to consider if other specifications and 3GPP WGs may be more appropriate for the modifications recommended by SA3, and to consider the T2 suggestion to clarify the guidelines to be more unambiguous, in the case that SA3 plans to forward its recommendations to other WGs.
Discussion: Several minor changes were done to the draft version on-line.
Status: AGREED

T2-040285 contains an LS from T3 to CN1, SA1, T1 cc T, T2 on support of multiple HPLMN codes in EF_HPLMNwAcT.
Status: NOTED

T2-040287 contains an LS from 3GPP2 TSG-X to T2, OMA MWG on MMS Work Transfer and Coordination.
Discussion: It was noted that this LS pre-dates the PCG decision on work transfer.
Status: NOTED

T2-040289 contains an LS from SA1 to SA3 cc GSMA SG, DIG, T2, GERAN2 on removal of A5/2 algorithm in Release 6 MEs.
Status: NOTED

T2-040291 contains an LS from SA3 to SA1, SA2, T2 cc T3 on USIM and ISIM selection in the UE.
Discussion: It was unclear what T2 can help here and it was suggested to contact the LS contact person to find our what specifically SA3 has in mind regarding T2.
Concerns were expressed in having the user involved of selecting the application on the USIM.
T2 vice-chairman Paul VOSKAR (Nokia) contacted the contact person of the LS who clarified that T2 was supposed to comment on the dialog box.
Status: NOTED. Reply LS in T2-040349.

T2-040349 contains an LS from T2 to SA3 cc SA1, SA2, T3 on USIM and ISIM selection in the UE.
Content: T2 asks SA3 to note the observation made by T2 regarding the usability of the UICC application selection dialog. SA3 are invited to consider whether alternative means of selection that would not involve user interaction would be more appropriate. SA3 are invited to continue discussions on this matter with SA1 rather than T2.
Discussion: It was agreed to replace "allowing the user" by "expecting the user".
Status: AGREED

T2-040324 contains an LS from SA2 to SA3, CN4, T2 on mapping tunnels for WLAN 3GPP IP access and W-APNs.
Discussion: Prem reported that the topic of UE tunnelling is quite controversial in SA2 and that T2 SWG2 had looked at this issue a while ago. At that time, T2 provided comments via an LS. It was noted that this is an issue for UE implementations.
Status: NOTED. The T2 secretary volunteered to reply to the SA2 contact of the LS informing that T2 has noted the LS and that T2 has no further comments on this topic (done 24/08/2004).

1.12 Presentations to Opening Plenary

None.

1.13 Future meetings

Please find the future meeting dates below:

Meeting	Date	Location	Host
T#25	8 - 10 Sep 2004	Palm Springs, US	North American Friends of 3GPP
T2#27	8 - 12 Nov 2004	Cape Town, South Africa	Vodacom
T#26	13 - 16 Dec 2004	Athens, Greece	European Friends of 3GPP
T2#28 tbc	21 - 25 Feb 2005	Sophia Antipolis	ETSI

Please note: It was agreed to start the next T2 meeting (T2#27) at 2pm on Monday because several flights to Cape Town arrive in the morning.

For the complete 3GPP on-line meeting calendar see http://www.3gpp.org. It was available at this meeting in **T2-040272** which was **NOTED**.

1.14 AOB

The chairman reported from the 3GPP reorganisation proposal and discussion and asked delegates if there were opinions under which TSG T2 should be in future. One view expressed was that the best place for T2 depends on the outcome of the MMS transfer discussion. Another opinion expressed was that T2 has a quite close relationship to T3 and therefore T2 and T3 should stay under the same TSG. However, T2 delegates did not seem to have a strong preference on this topic.

1.15 Close of Opening Plenary

T2 chairman Ian HARRIS closed the opening plenary and moved on to the non-MMS topics.

2 AT Commands

T2-040313 contains a CR to 27.007 Rel-6 on correction to AT command +CHSN.
Content: The reason for this change is to clarify the rules for the AT command +CHSN. The rules are not fully clear and have lead to incorrect implementation of test case 26.13.2.1.1-4 in TS 3GPP 51.010.
Discussion: Nokia asked to have some time to review the CR and therefore the CR was frst agreed provisionally. At the end of the meeting they did not report any problem with the CR and the CR was considered as agreed.
Status: AGREED

T2-040282 contains an LS from SA3 to T2 cc T3 on potential security issues relating to use of AT commands to access the UICC.
Content: SA3 has discussed the attached CR and considers that the proposed changes do not add any security threat to the current version of the TS (TS 27.007 v 6.4.0).
Discussion: Nokia pointed out that a full analysis has not been done at this stage. Axalto thinks the LS is a sufficient indication that there are no security issues with the CR. T2's original LS in T2-040239 was reviewed in this context.
Status: NOTED

T2-040314 contains a CR to 27.007 Rel-6 on support of logical channels in AT commands.
Content: The Rel-4 UICC, and also existing SIM/WIM cards, offer the ability to send commands on different logical channels. This means that a terminal application can communicate with a card application, other than the SIM, on a selected logical channel. This CR proposes to provide AT commands for opening and closing logical channels and also for sending APDU commands on these logical channels.
This is a revised version of a CR which was already presented to T2#25 in Edinburgh. At that meeting several comments were made which were now taken into account for this revised version.
Discussion: Nokia maintained their concerns on the CR. This revised version of the CR does not address the fundamental issues Nokia has with the CR. The chairman clarified that if only one company is objecting to the CR than the CR still can go forward to TSG-T.
Status: REVISED to T2-040348 in which the command request UICC ATR +CATR had been removed and some other modifications were made. The CR was first agreed but issues arose later during the meeting. Therefore, the CR was **REVISED to T2-040360**

T2-040360 contains the revised CR to 27.007 Rel-6 on support of logical channels in AT commands.

Discussion: NTT DoCoMo identified some backwards compatibility issues with changes to existing AT commands. Therefore, in order not to create backwards compatibility problems, existing commands were not modified in this version of the CR. New commands were added instead.
Status: AGREED

3 SMS

T2-040290 contains an LS from SA3 to CN4, T2 cc SA2 on 'SMS Fraud countermeasures'.
Discussion: It was noted that this is a MAP matter and not a 23.040 matter. Nicola reported the content of a reply LS from CN4 in N4-041204 which was not copied to T2.
Status: NOTED. Reply LS created in T2-040329.

T2-040329 contains an LS from T2 to SA3 cc CN4, SA2 on 'SMS Fraud countermeasures'.
Content: T2 feels that the proposals outlined are fundamentally MAP issues and somewhat outside the scope of T2's work and expertise. T2 would however like to point out that increased loading on SS7 transactions and additional transactions themselves would result in degradation of overall SMS delivery which operators may be concerned about.
Status: AGREED

T2-040317 contains an LS from GSMA SCaG to SA1, T2, T3 on a proposal for improved Cell Broadcast Capability within USAT.
Content: The LS contains proposals to address two issues related to Cell Broadcast:
The significant battery drain when monitoring for incoming CB pages, and the inability of applications to easily turn on and off monitoring.
Status: NOTED

T2-040318 contains an LS reply from T3 to GSMA SCaG, 3GPP T2 on a proposal for improved Cell Broadcast Capability within USAT.
Discussion: It was not clear to T2 if CB DRX fulfils all of the requirements of the GSMA. Unfortunately, not much expertise on CBS is left in T2.
Status: NOTED. Reply LS was created in T2-040330.

T2-040330 contains an LS from T2 to GSMA SCaG cc 3GPP-SA1, 3GPP-T3 on the proposal for improved Cell Broadcast capability within USAT.
Content: T2 feels that in the first instance, the DRX mechanism should considered as the mechanism to resolve the concerns expressed by GSMA SCaG.
Discussion: Some changes were done on-line to the draft version. The wording was changed to make it clear that it is up to GSMA SCaG to decide if a joint meeting on this issue is required.
Status: AGREED

T2-040293 contains a discussion paper on information on Message Waiting Indications vs SIM fields vs Multiple Subscriber profiles.
Content: This document explains the background of the problem that the receiving terminal does not have any idea for which profile the just incoming Message Indication is actually meant for, e.g. the private number or the business number, as the Short Message doesn't contain this piece of information. To solve the problem several CRs are suggested.
Discussion: It was clarified that MSP is specified from Rel-4 onwards. It was clarified that the proposed solution does not change anything regarding the MSP, only how this feature is handled within SMS.
Status: NOTED

T2-040294 contains a CR to 23.038 Rel-4 on MessageWaitingIndication MultipleSubscriberProfile guidance.
Content: The CR addresses the problem that an ME has no means to distinguish which record of the EF_{MWIS} records requires an update.
Discussion: Some editorial comments (references, reason for change) were made.
Status: REVISED to T2-040331 which was **AGREED.**

T2-040295 contains a CR to 23.038 Rel-5 on MessageWaitingIndication MultipleSubscriberProfile guidance.
Discussion: The T2 secretary reminded that 51.011 does not exist for from Rel-5 onwards.
Status: REVISED to T2-040332 which was **AGREED.**

T2-040296 contains a CR to 23.038 Rel-6 on MessageWaitingIndication MultipleSubscriberProfile guidance.
Status: REVISED to T2-040333 which was **AGREED.**

T2-040297 contains a CR to 23.040 Rel-4 on SpecialMessageIndication MultipleSubscriberProfile guidance.
Status: REVISED to T2-040334 which was **AGREED.**

T2-040298 contains a CR to 23.040 Rel-5 on SpecialMessageIndication MultipleSubscriberProfile guidance.
Status: REVISED to T2-040335 which was **AGREED.**

For Rel-6 two alternative CR were proposed in T2-040299 and T2-040300:

T2-040299 contains a CR to 23.040 Rel-6 on SpecialMessageIndication MultipleSubscriberProfile guidance.
Discussion: The alternative CR in T2-040300 was preferred by the meeting.
Status: NOTED

T2-040300 contains a CR to 23.040 Rel-6 on SpecialMessageIndication-EnhancedVoiceMessageIndication MultipleSubscriberProfile introduction.
Content: This CR proposes the assignment of yet reserved bits for MSP indication.
Discussion: RIM preferred this CR since it enhances the service, improves the situation and does not create any backwards compatibility issues. Steffen HABERMANN (T-Mobile) commented that an end-to-end usage description could be useful. Several voices were in favour of this CR, nobody expressed a preference for the CR in T2-040299.
Status: REVISED to T2-040336. Some changes were done to the bit order in the draft version of the CR. The CR was then **AGREED**.

T2-040301 contains a CR to 23.040 Rel-6 on EnhancedVoiceMessageIndication mailbox number priority.
Content: 23.040 Rel-6 describes the feature of Enhanced Voice Mail Information which contains an access number to the Voice Mail system. The (U)SIM may contain an Elementary Field for Mailbox Dialling Numbers (EF_{MBDN}). Both information may contradict. The CR is suggesting to give priority to the number within the Enhanced Voice Mail Information.
Status: REVISED to T2-040337 which was **AGREED**.

T2-040302 contains a CR to 23.038 R6 EnhancedVoiceMessageIndication CBS applicability.
Content: 23.040 Rel-6 describes the feature of Enhanced Voice Mail Information. The use of the corresponding IE is not applicable for a User Data Header within CBS due to the nature of CBS. This CR suggests adding the IE to the list of not applicable IEs.
Discussion: It was suggested to improve the "reason for change".
Status: REVSIED to T2-040338 which was **AGREED**.

4 MMS

4.1 Opening of the MMS session

The MMS session was chaired by the rapporteur of TS 23.140 Josef LAUMEN (Infineon). The agenda of the MMS session was approved in **T2-040340**.

4.2 Action items from T#24, SA#24, T2#26 opening plenary

From T2#26 opening plenary:

- Review the status of Rel-6 and report what is not complete:
  Josef created document **T2-040339** which is based on the MMS Enhancements WID and has colour codes for completed and non-completed items. This document was presented at the beginning of the MMS session and completed at the end of the MMS session.
  REVISED to T2-040341 which was again **REVISED to T2-040370** which was **NOTED**.
  Action **CLOSED**.

From T#24:

- LS in T2-040279 from SA2 raised several questions on the support of MMS via WLAN. During TSG-T#24 it seemed that some more analysis is required on this topic:
  In the meantime T2 created and e-approved a LS in **T2-040315.**
  Action **CLOSED**. See discussion of T2-040279

- It was agreed that TSG-SA would functionally freeze Release 6 in September and WGs were asked to provide information on any WIs which are not ready at that time and an accurate estimate of the timescale needed to complete the work:
  Action **CLOSED**. See discussion of T2-040370 above.

4.3 Review Status of SWG3 action items from previous T2 meeting

One action was still open from T2#24:

Action#	Related Tdoc	Related Tdoc title	Action	Responsible
T2#24-005	T2-040026	LS from SA2, cc CN4 on CN impact of private numbering scheme in MMS	Keep track if there will be a CN impact of private numbering scheme in MMS - If so, create LS to SA2, cc CN4 as reply to T2-040026	Matthias (TMO)

The list of open actions at the end of the meeting can be found in clause 4.7 of this report.

4.4 Incoming Liaison Statements

T2-040279 contains an LS from SA2 to T2, OMA TP, IETF LEMONADE cc SA3 on MMS over 3GPP Interworking WLANs.
Discussion: It was reported that OMA has also replied to this LS but has not copied T2 on their reply. The OMA LS was reviewed at the T2 meeting (not a T2 tdoc). It was commented that the recipients of the LSs might be confused as OMA is mentioning three MM1 solutions whereas the T2 LS mentions only one MM1 solution because 3GPP has only one implementation adopted. It was agreed to inform the chairmen of the recipient groups about this issue to avoid confusion.
It was discussed whether to do a change to the TS 23.140 annex in this regard. A sentence to the IP based implementation could be added clarifying that 3GPP is not aware of any implementations of this. Furthermore, the annex of the WAP-based implementation could be replaced by a reference to the appropriate OMA specification.
Ian sent an email to SA2 / SA3 chairs in order to avoid any confusion on the three implementations mentioned in the OMA LS as the 3GPP MMS stage 2 specification only specifies a WAP implementation.
Status: NOTED. Miraj MOSTAFA (Nokia) was tasked to create a CR in T2-040342 to attack the root problem (IP-based annex).

T2-040288 contains an LS from IETF LEMONADE to SA2, T2, OMA TP cc SA3 on LEMONADE for MMS over 3GPP Interworking WLANs.
Content: This is the reply LS to SA2's LS which raised several questions regarding MMS over 3GPP Interworking WLANs.
Status: NOTED

T2-040274 contains an LS from CN1 to T2 cc SA2 on resolution of SIP-based addresses.
Content: CN1 is not aware of any mechanism that resolves a SIP URI to a MSISDN or IP address of the recipient user's MMS Relay/Server.
Status: NOTED

T2-040276 contains an LS from OMA-MWG to 3GPP T2, 3GPP2 TSG-X on developing a mechanism to reject deferred MMs.
Content: OMA MWG/MMSG has been discussing a problem in MMS specifications which leaves open how a multimedia message in the MMS Proxy-Relay could be rejected after it has been previously deferred.
Discussion: It was not entirely clear why a new message should be used instead of re-using the existing MMS PDUs. Originally, it seemed preferable to use the existing mechanism.
Status: NOTED. Michel HOUDE (Ericsson) provided pros and cons for a new PDU in T2-040350.

T2-040278 contains an LS from SA1 to T3 cc T2 on MMS presentation by USAT.
Content: SA1 agreed on a clarification of the requirement on MMS client interaction with UICC.
Discussion: The T2 secretary reported that the attached CR to 22.140 was agreed by TSG-SA.
Status: NOTED

T2-040281 contains an LS from SA2 to T2 cc CN1 on resolution of SIP-based addresses.
Content: Within the home network, the Sh reference point towards the HSS allows an IMS Application Server to retrieve the MSISDN of an IMS subscriber, which is identified by its public user identity. If DNS is sufficient to route the multimedia message towards the home network, then this may provide a solution to the question raised by T2.
Discussion: It seemed that T2-040274 and T2-040281 were contradicting because according to CN1 there is no mechanism that resolves a SIP URI to a MSISDN or IP address whereas SA2 outlines a possible solution. The proposal is that operators could open their HSS to external services for non-local queries. It was discussed whether the mechanism proposed by SA2 is sufficient.
It was not T2's intention to change the MM1 Rel-6 implementation and therefore there should not be an architectural impact. One of T2's working assumptions was that the notification is still send over WAP push. The second working assumption was to allow the user to embed a SIP URI to address a user (new address format). It was clarified that T2 does not intend to provide IMS based mechanisms to notify the UE about reception of the MMS.
One concern expressed was to use the SIP address without using the SIP protocol. This concern was shared by Nokia who would not see a problem if this item would be removed from the Rel-6 scope. Ericsson thinks that it would be worth to keep this item alive in Rel-6. To define a solution which uses SIP based protocols would result in a new MM1 stage 3.
There were three options on how to proceed: go with the working assumptions and find a working solution this week, inform the other groups that the work will not completed in Rel-6, or, find an alternative mechanism until the next meeting. It was commented that it is rather unlikely to go with an alternative solution.
Status: NOTED. It was concluded to report to TSG-T that the item Support for IMS Messaging Deferred Mode is at risk but depending on input it could still be completed as part of Rel-6 by the next meeting.

T2-040284 contains an LS from SA5 to T2, GSMA BARG cc GSMA MMS TF on MM4 Multiple recipients.
Content: In conclusion, SA5 believe that the changes requested by T2 are appropriate, and agree to implement them in the next draft of TS 32.270.
Status: NOTED

T2-040286 contains an LS from T3 to SA1 cc T2 on MMS presentation by USAT. T3 asks SA1 for guidance and clarification of the requirement on MMS client interaction with UICC.
Status: NOTED

T2-040292 contains an LS from GSMA BARG to SA5, T2 re: multiple MM4 recipients.
Content: T2 is asked to confirm that in case of MM4_Forward.RES messages covering partial status information only it is ensured that the set of MM4_Forward.RES messages sent back in response to a MM4_Forward.REQ message will cover *all* recipients addressed by the original bundled MM.
Discussion: It was commented that the MM4_Forward.RES messages covering partial status was only intended for the unsuccessful deliveries and not for the successful deliveries.
If there is a successful delivery to all participants then one MM4_Forward.RES messages would indicate the successful delivery. If there is a non-successful delivery to all participants then one MM4_Forward.RES

messages would indicate the unsuccessful delivery. If there is partial failure then from Rel-6 onwards the sending of more detailed information is possible.
Josef commented that any change done to Rel-6 does not necessarily have to be backwards compatible to a previous Rel-6 version until Rel-6 is frozen.
It was proposed to make it mandatory that in case of a partial addressing failure there has to be a detailed response for each recipient. It was clarified that the solution provisionally agreed at the last T2 meeting in Edinburgh in T2-040246 provides this functionality as an option.
Status: NOTED. Reply LS in T2-040351. A CR was created in T2-040362.

T2-040319 contains an LS from T3 to 3GPP2-TSG-C, 3GPP2-TSG-C-WG1-SWG1.4, 3GPP-TSG-T cc 3GPP-T2 concerning harmonization of MMS provisioning files between 3GPP & 3GPP2.
Content: T3 informs 3GPP2-TSG-C that T3 has agreed the attached CR on harmonization of the MMS provisioning files for 3GPP2.
Discussion: Nicolas CHAUMARTIN (Axalto) gave some further background on the CR. The CR does not change anything to 3GPP implementations but it allows the 3GPP2 world to re-use the USIM structure. The attached CR adds SIP and M-IMAP in MMS implementaions field and adapts MMS Issuer / User Connectivity Parameters files to allow the storage of these new implementations. The main objective of this CR is not to duplicate the work in the smart card area. Infineon expressed concerns that the introduced changes are intended to be limited to the R-UIM, however, this is not always clearly indicated. He suggested avoiding that these fields ever appear on a USIM and therefore a 3GPP terminal should never have to support these fields. Some changes were made to the T3 CR to make it clear that there should not be any changes to 3GPP terminals.
Status: NOTED. Reply LS created in T2-040345. A revised CR with T2's proposed amendments was created in T2-040346.

T2-040325 contains an LS from SA4 to T2 on Draft Audio codec enhancement for MMS.
Content: On the request of TSG SA#24, SA4#32 (August 16-20, 2004) prepared two CRs to the MMS media formats and codecs specification (TS 26.140);
Discussion: It was reported that this was the most controversial issue at the last TSG-SA meeting.
Status: NOTED

4.5 MMS matters

4.5.1 MMS REL-4 issues

No issues were raised under this agenda item.

4.5.2 MMS REL-5 issues

No issues were raised under this agenda item.

4.5.3 MMS REL-6 issues

4.5.3.1 Familiarize with MMS stage 1 CRs being SA1/SA approved after previous T2 meeting

T2-040343 contains the three MMS stage 1 (TS 22.140) CRs approved at TSG-SA#25. This document was provided for information by the T2 secretary.
Status: NOTED

4.5.3.2 Bug fixes

T2-040359 contains a CR to 23.140 Rel-6 on the deletion of table K.6.

Content: Annex K.6 shows the mapping of the MM7_Submit.REQ to the MM4_Forward.REQ. It then provides how the mapping could be done, which is inconsistent to section 7.1.13 which states that MM7_Submit.REQ -> to MM4_Forward.REQ is not recommended. The CR proposed to deletes the Annex K.6.
Discussion: Some minor corrections were done to the draft version of the CR e.g. the table number was reinstated with "void" to avoid a change in the structure and numbering of the Annex.
Status: AGREED

T2-040342 contains a CR to 23.140 on the clarification about WAP-based and IP-based MM1 implementations.
Content: It proposes to remove the wrong description about WAP-based MM1 solution and to add a correct reference to the WAP-based MM1 implementaiton. Furthermore, the CR proposes to clarify the fact that IP-based implementation is not defined in reality.
Discussion: Several clarifications were done to the draft version of the CR. Amongst others clarifications were proposed to avoid the impression that 3GPP is working on an IP-based implementation as described in B.2. RIM suggested to delete the whole annex B.2 since there will not be any IP implementation in Rel-6. Josef reported that the Annex was added to the specification around four years ago when the WAP implemenation was not completed. During that time T2 wanted to have at least some kind of protocol description available.
Finally, it was agreed to delete the whole content of the annex and replace it with a reference to the relevant OMA specifcaiton. It was considered to be beneficial to keep the annex there as a placeholder for any future MM1 implementations.
Status: AGREED

4.5.3.3 Application ID

T2-040327 contains a CR to 23.140 REL-6 introducing Application Addressing in MMS (revised T2-040316).
Content: Introduction of three new optional information elements into several MMS abstract messages. The new information elements added are: '*Applic-ID*', '*Reply-Applic-ID*' and '*Aux-Applic-Info*'.
Discussion: The main open issues are which messages are affected and whether the section on read-reply reports is needed. The working assumptions from the previous T2 meeting were briefly reviewed (T2-040241, T2-040242). It was agreed NOT to add the three new IEs to the MM1_submit.RES, MM1_notification.RES, MM1_acknowledgement.REQ, MM1_forward.REQ. MM1_forward.RES.
It was commented that a clarification could be useful regarding the differentiation of VASP ID and application ID. It was clarified that it is not the intention with the Application ID triplet to modify the behaviour of the MMS Relay/Server, instead it is the intention to extend it.
Since there is no presentation to the user, the read-reply might not be applicable to the application use case. This has still to be investigated.
Several clarifications and modifications were done to the CR on-line. Jerry WEINGARTEN (Comverse) proposed some rewording which was included in the revised version.
Henrik THUVESSON (TeliaSonera AB) took an action item to work on the MM4 and MM7 error codes for the next meeting.
Henrik asked about the expected size of application data. It has to be investigated whether some work on the conformance document is required in OMA e.g. to introduce a new content class for application data. For operators it is important too to know which data size to expect. However, currently the expected application data size seems unclear.
Status: REVISED to T2-040347 which was **AGREED**

T2-040365 contains an LS to T3 cc TSG-T on Enabling MMS transmission and reception to UICC.
Content: T2 invites T3 to assess the usefulness of the MMS Application ID mechanism to satisfy T3's requirements regarding MMS transmission and reception to UICC for REL-6 and onwards.
Discussion: Nokia pointed out that it has not been decided yet to the support in principal the use of the MMS Application ID to satisfy this requirement for REL-6. The text of the draft LS was changed to avoid giving a clear recommendation but instead informing about the availability of the MMS application ID as a potential solution. It was agreed to add T2-040347 to the LS.
Status: AGREED

4.5.3.4 IMS Messaging

There was no input other than two incoming LSs (T2-040274 and T2-040281) related to this work area available at this meeting. See discussion under T2-040281 in clause 4.4.

4.5.3.5 Multiple Relay/Server architecture

There was no input related to this work item available at this meeting. It was concluded to keep the work item open with the hope that there will be some contributions for the next meeting.

4.5.3.5 MM1 Enhancements

T2-040310 contains a CR to 23.140 Rel-6 adding status text in the MM1 Delivery Report.
Content: The additions are: A new information element in MM1_delivery_report.Req to further qualify the status of a delivery, a clarification for the “MM status text” information element in the Delivery Report over MM4 and MM7, a clarification about the “MM status text” information element in the Service Behaviour section about Delivery Report.
Discussion: Ericsson supported the CR in principle but requested some modifications regarding the MM status text (re-instating the original text). This was agreed.
Status: REVISED to T2-040355 which was **AGREED**

T2-040311 contains a CR to 23.140 Rel-6 on indication about content adaptation.
Content: The CR proposes to have an indication (in terms of headers) from the sender in the submission message, so that the MMS Relay/Server has simple means to decide about the need of content adaptation in most of the cases – if the MM contains DRM protected content, which conten class the MM belongs, and if sender forbids content adaptaion.
Discussion: It seems that there are no specific statements in the specification yet regarding MM7 extension over MM4 apart from the charging related aspects. According to clause 7.1.13 in 23.140 it is possible but it is not specified in detail and therefore not guaranteed that it works.
It was pointed out that there is no stage 1 requirement for this yet and therefore it might be too late to introduce this in Rel-6. Orange supported the introduction of the Content Class and DRM Content information element, and objected to the Adaptations information element. They want to have the possibility to overwrite this setting. However, it was clarified that content adaptation restriction request can be ignored by the MMS Relay/Server.
TeliaSonera supported the idea of content adaptation restriction because they see several use cases for it.
Ericsson also had objections on the content adaptations restrictions.
It was suggested that the initial state should be non-content adaptations. It should be up to the operator to choose if they want to do content adaptation.
It was proposed to add a reference in 23.140 to the OMA specification defining the MMS content classes.
It was proposed to consider in this CR that application data is not subject to content adoption at all.
It was agreed to add a statement that the MMS Relay/Server shall be able to ignore a request from an originator that the content of the MM will not be subjected to content adaptation, e.g. based on service provider configuration.
Status: REVISED to T2-040356. Some modifications were done to the draft version of this CR. The CR was then **AGREED**.

T2-040350 contains a discussion document on reusing Notify or creating a new PDU for Delete.
Content: In LS T2-040276, OMA ask T2 to consider the instance where the terminal wants the MMS R/S to delete an MM. In this paper Ericsson advises creating a new PDU for deletion of deferred MMs from the server.
Discussion: Some preferences were expressed for a new PDU. There were no objections on the proposal.
Status: NOTED. A draft CR was created in T2-040361.

T2-040361 contains a CR to 23.140 on Deletion of Deferred MM.
Content: Post MM deferral, it would be benefitial for the user to request the MMS R/S to delete the MM. This to cover the case where the recipient decides not to dowload the MM. It then allows the MMS R/S to free storage space, without having to wait for MM expiration. Define new PDUs that will request the MMS R/S to delete an MM.

Discussion: Some companies asked to have some time to study the CR back in their companies. It was proposed to send this CR for information to the next TSG-T meeting with the intention to finish it at the next T2 meeting as part of Rel-6.
Some comments were made on the draft version of the CR e.g. that the original figure should be reinserted and shown as deleted.
Status: NOTED. It was agreed to send this CR for information to the next TSG-T meeting with the intention to finish it at the next T2 meeting as part of Rel-6.

4.5.3.6 MM4 Enhancements

T2-040323 contains a CR to 23.140 Rel-6 on the Clarification of interpretation of value “No” in Information Element “Forward to Originator UA” in the MM4 Delivery Report Forwarding.
Content: MM4_delivery_report.REQ information element “Forward to Originator UA” definition may lead to interoperability problems due to incorrect understanding of its value.
Discussion: The T2 secretary reminded about the importance of chosing meaningful titles for CRs. The title was revised and some minor corrections were made to the CR cover sheet.
Status: REVISED to T2-040358 which was **AGREED**

T2-040362 contains a CR to 23.140 to clarify that the MMS Relay / Server is responsible for ensuring that the MM4_Forward.RES messages sent back in response to a bundled MM4_Forward.REQ cover all recipients.
Discussion: The "consequence of not approved" were improved on the coversheet of the draft version.
Status: AGREED

T2-040352 (identical with T2-040246 from T2#25 Edinburgh) contains a CR to 23.140 on the support for multiple and single recipients on MM4.
Content: Section 8.4.1.1 Ability to use the MM4_Forward.Req for more than a single recipient is restored and thus the ability to address more than one receipent in the MM4_Forward.Req remains consistent as defined in Release 4 though to Release 6.
Discussion: In the draft version TS 23.140 was replaced by "the present document".
Status: AGREED

T2-040351 contains an LS to BARG, CPWP, SA5 cc GSMA MMS Task Force on multiple MM4 recipients.
Content: This LS informs about a CR created agreed by T2 stating that the receiving MMS Relay/Server is responsible for ensuring that MM4_Forward.RES messages sent back in response to a bundled MM4_Forward.REQ cover *all* recipients.
Discussion: Several modifications were done to the draft version of the LS. It was agreed to attach the CR in T2-040362.
Status: AGREED

4.5.3.7 MM7 Enhancements

T2-040312 contains a CR to 23.140 on Replacing Multimedia Message in Recipient Terminal.
Content: It is proposed to extend the scope of the Replacing Content to the recipient MMS User Agent, so that MMS User Agent can replace old/expired message by a new message. It is optional, as old/expired message might be already removed by a user. Moreover, some users might be interested about old information (e.g. to know the pattern of change in share price of a company, to know when/who scored a goal in a football match). There could be a terminal setting, which could be used by a user to forbid any automatic replacement of an old message.
Discussion: RIM supported the CR on the ground that it is possible for the user to be able to prevent any automatic replacement of an old message. Ian reminded delegates that a similar problem had existed in SMS.
It was suggested to add a charging indication in Annex C. Time-based subscription charging models still work with this mechanism. For message based charging some clarifications might be needed. It was stressed that it is absolutely necessary not to restrict charging.
Backwards compatibility: from the terminal view there should be no issue because this is an optional header. Any terminal not supporting this feature would just ignore this message.

It was commented that one of the bad user experiences related to MMS is the problem of memory size. This CR could help to improve the situation.
In principle, nobody seems against to introducing the feature, however, some details need still to be resolved. It was suggested to use instead the MM7_submit request and to use linked ID. Another proposal was to have a new PDU instead of changing the existing Replace message.
It was clarified that in SMS, If the message is not there than the Replace will be changed to a Submit. There are merits of having these functions separated.
Ericsson expressed their view that further review within companies might be required before being able to approve on the CR. The updated MM7 schema will be provided by Nokia at a later point in time.
There was general agreement that a Replace operation is needed which goes down to the terminal. It was agreed to create a new MM7 PDU for the replace functionality. It was agreed to extend this feature to the Cancel functionality in either the same PDU or an additional PDU.
It was discussed how to implement the Cancel on MM1. Whether it will be done with or without retrieve request is currently an open issue.
Erisccson commented that if the Cancel issue is not solved it would be difficult to agree on the Replace mechanism. Nokia preferred to handle these issues separately.
It was agreed to send this CR for information to TSG-T to make TSG-T aware that T2 would like to complete this at their next meeting as part of Rel-6.
Status: REVISED to T2-040353. The draft version of the CR was edited on-line. The concept of this CR was endorsed by T2. The CR was then **NOTED** and it was agreed to present it to TSG-T for information. A LS to SA5 was created in T2-040363 to inform them about this and other CRs which are relevant for charging.

T2-040305 contains a CR to 23.140 extending MM7 interface to identify the VAS of the service provider.
Content: The CR proposes adding VAS ID and VASP ID elements in MM7-Deliver.REQ for identifying VAS of service providers conveniently.
Discussion: It was noted that this document only includes the CR cover page and that the actual content is included in T2-040308.
Support for the proposal of adding VAS ID and VASP ID elements in MM7-Deliver.REQ was expressed by Comverse and Ericsson. This proposal was agreed in principle by T2. Ericsson volunteered to create a proper CR for this in T2-040354.
Status: REVISED to T2-040354

T2-040354 contains a CR to 23.140 adding the Information Elements VASID and VASPID to the MM7_Deliver.REQ.
Discussion: Some changes were done to the draft version of the CR.
Friedhelm suggested adding a clarification to the MM7 Annex of 23.140 clarifying the versioning of the MM7 schema. This action was assigned to Michael (see open actions in clause 4.7).
Status: AGREED

T2-040308 is a document on extending MM7 to identify value added service of service providers.
Discussion: See T2-040305. This document includes the proposed changes.
Status: NOTED

T2-040306 contains a CR to 23.140 on extending MM7 to express the real recipient.
Content: It is proposed to add RCPT_TO element to MM7_deliver.REQ, to specify the MM should transfer to the subscribers that are provided with the value-added services. This new element may exist zero or many.
Discussion: It was noted that this document only includes the CR cover page and that the actual content is included in T2-040307.
Ericssion is currently unable to understand neither the problem nor the solution. Further clarifications from the CR authors are required.
Status: NOTED

T2-040307 contains a document on extending MM7 to express the real recipient.
Discussion: See T2-040306. This document includes the proposed changes.
Status: NOTED

T2-040304 contains a CR to 23.140 on MMS R/S consistent handling of the MM7_Replace.Req.

Content: The CR tries to solve the following problem: Inconsistent behaviour of v6.6.0: The recipient that retrieves the MMS after having forwarded it gets the non-VASP-replaced version; while the recipient that retrieves the forwarded MMS gets the VASP-replaced version.
Discussion: Comverse had some concerns on the CR: as soon an MM1_Forward.REQ occurred there is no guarantee that the message is still on the MMS relay/server. Ericsson pointed out that there might be some terminals expecting that the message is still on the server after a MM1_Forward.REQ. There was little support for this CR and Ericsson announced that in that case they will not further pursue this.
Status: NOTED

4.5.3.7 Private addressing schemes in MMS

T2-040321 contains a CR to 23.140 Rel 6 Support of Messaging Service Control Function (MSCF).
Content: The functional description for the support of the “Messaging Service Control Function”and the Stage 2 MMx Interface description are added.
Discussion: If the new interface will be agreed it will be introduced as MM10.
Steffen announced that he will define the charging requirements and impacts in a billing related annex including all new attributes required (see open actions in clause 4.7). He suggested that the MSCF feature should also be added to the LS to SA5 on T2 CRs with charging impact.
The comment was raised that it has to be addressed that on MM7 the address is encrypted/obfuscated.
Several editorial modifications were done to the CR.
It was questioned whether a MMS Relay/Server can pass a Statement of Compliance when having the address information modified by the MSCF.
The comment was raised that there might be a legal requirement related to the change of a customers identity.
Steffen and Miraj plan to have some offline discussions on the CR.
Status: REVISED to T2-040366.

T2-040366 contains the revised CR to 23.140 Rel 6 Support of Messaging Service Control Function (MSCF).
Content: This updated version of the CR addresses the comments received on the first version.
Discussion: To address the MM7 addressing issue a sentence was added: **"**If the recipient address of the MM7_submit.REQ is provided in encrypted or obfuscated format then the relay server shall decrypt it prior to invocation of the MM10 interrogation request." TeliaSonera asked for a summary on which use cases are currently covered. This question was deferred to an off-line discussion.
Status: REVISED to T2-040369 which was **AGREED**

T2-040322 contains a proposed 3GPP TS V0.0.1 on MMx interface based on Diameter protocol (Stage 3).
Content: This proposed stage 3 document defines the procedures and the transport protocol for use in the Multimedia Messaging Service (MMS) based on Diameter.
Discussion: An earlier version of this document was presented to T2 some time ago. It has to be clarified how the registration with IANA should be done. Some years ago a MIME type was registered for SMS support in MMS and this was done by an individual member. Friedhelm will check if in the meantime a 3GPP procedure has been developed for IANA registrations (see open actions in clause 4.7).
It was discussed whether this should become a separate stage 3 document or be included into TS 23.140. It was commented that it was general practise in 3GPP to have the different stages of a specification in separate documents. This approach had not been followed with 23.140 though. It seemed to be preferred to have this as a separate document.
Steffen announced to provide a list of open issues in the specification presentation template.
Status: REVISED to T2-040368 which was **NOTED**. It was agreed to present the document for information to the next TSG-T. It was agreed not to attach this document to the LS to SA5 on charging impacts since the CR in T2-040369 was considered as sufficient information. The TS presentation template was created in T2-040367.

T2-040367 contains the TS presentation template for TS V0.0.1 on MMx interface based on Diameter protocol (Stage 3).
Discussion: It was clarified that Command Code and AVP values ranges have been reserved by 3GPP which can be assigned by 3GPP for the purpose of this work item.
Status: NOTED

4.5.3.8 DRM enhancements

T2-040320 contains a CR to 23.140 Rel 6 on additional DRM requirements to the MMS Relay/Server.
Content: This CR lists additional DRM requirements to the MMS R/S to be added to bring these specifications into line with new DRM functionalities, complementing and/or detailing DRM functionalities specified in OMA DRM V1.0 and 3GPP Rel-6, in order to enhance overall interoperability and ensure effective and common handling of DRM protected MM elements distributed via MMS.
Discussion: It was agreed to delete the sentence that routing to these interaces (MM4, MM7) shall also be possible. Some further modifications were made.
Status: REVISED to T2-040357 which was **AGREED**.

4.5.3.9 Other enhancements

T2-040315 contains an LS to SA2, OMA TP, OMA MWG-MMSG, IETF LEMONADE cc SA3 on MMS over 3GPP Interworking WLANs.
Status: **APPROVED** (The LS was already e-approved and sent before this T2 meeting).

T2-040309 contains a CR to 23.140 Rel-6 enabling transmission and reception of MMS to UICC.
Discussion: This CR was only presented for information. Nicolas reported that T3 is working on an interface in order to enable the UICC to send and receive MMs. For this it is required to be able to indicate if the MM is intended for the UE or the smart card. Originally it was suggested to have a special message type for a UICC message. However, it seems that the application ID is a better way for solving this.
In the context of this discussion, Josef reminded the meeting about a CRs to 31.111 and 22.038 on this subject.
Possibly T3 should be informed about the intended changes in T2 and about what is required at the T3 side to support this. An LS was proposed for this purpose. However, this proposal resulted in a debate whether such a LS should be sent. Nokia commented that it was not agreed yet to use the application ID for this purpose and this had not even been proposed yet.
The meeting noted also an email comment received from Kevin HOLLEY (mmO2) advocating a higher security mechanism for this, circumventing the risky MMS UA in the MT.
Status: NOTED. A document proposing the application addressing for enabling transmission and reception of MMS to UICC was created in T2-040364.

T2-040364 contains a discussion document on the use of application Id mechanism to target a UICC.
Content: The technical needs to transmit MMs to the UICC are outlined. It is suggested that according to the 3GPP MMS requirement document, the Application Addressing in MMS should also be able to send MMs to the UICC
Discussion: Some delegates felt uncomfortable with a recommendation regarding the usage of the application ID for this purpose at this point in time. It was suggested to report only that a possible solution exists which could be used if appropriate.
Status: NOTED

T2-040345 contains an LS from T2 to 3GPP T3, 3GPP2-TSG-C, 3GPP2-TSG-C-WG1-SWG1.4, 3GPP-TSG-T concerning harmonization of MMS provisioning files between 3GPP & 3GPP2.
Content: T2 noted that the T3 CR does not explicitly disallow the use of the new header fields on a 3GPP USIM. This would impact a 3GPP-only terminal such that it would need to support these header fields even though it does not support any of 3GPP2's alternative MMS implementations. Therefore, T2 suggests some modifications to the T3 CR.
Discussion: Some minor modifications were done to the draft version of the LS.
Status: AGREED

T2-040346 contains T2 suggestion for revised T3 CR 31.102 REL-6 Introduction of M-IMAP and SIP as MMS implementations in MMS provisioning (attachment to T2-040345).
Status: ENDORSED

T2-040363 contains an LS to SA5 informing about recent 23.140 changes affecting CDRs.

Content: T2 informs SA5 about several new MMS features in document T2-040353, T2-040347, and T2-040321 which has been agreed/endorsed at T2#26 assuming that they are technically feasible. T2 believe that the new features may influence SA5 requirements on TS 32.270.
Discussion: Several changes were done on-line to the draft version of the LS.
Status: AGREED

4.6 AOB

No issues were raised under this agenda item.

4.7 List of open MMS actions

Please find below the list of open actions as at the end of the MMS session:

Action#	Related Tdoc	Related Tdoc title	Action	Responsible
T2#24-005	T2-040026	LS from SA2, cc CN4 on CN impact of private numbering scheme in MMS	Keep track if there will be a CN impact of private numbering scheme in MMS - If so, create LS to SA2, cc CN4 as reply to T2-040026	Matthias (TMO)
T2#26-006	none	MM7 Schema (not necessarily needed for REL-6)	Clarification of schema versioning, e.g. why did we choose a versioning different from spec versioning, why "MM7-x-y", how does it work, ...? => informative annex or part of MM7 annex (CR category F)	Michael (Nokia)
T2#26-006	T2-040321	CR 23.140 Rel 6 Support of Messaging Service Control Function (MSCF)	Add MSCF impact on CDRs to the CDR annex	Steffen (TMO)
T2#26-007	T2-040366	CR 23.140 Rel 6 Support of Messaging Service Control Function (MSCF)	Check if now there's a 3GPP procedure available for IANA registrations	Friedhelm (MCC)

5 Close of meeting

T2 chairman Ian HARRIS thanked all delegates and for their contributions and work at this meeting. He thanked the North American Friends of 3GPP for hosting the meeting and for providing the excellent facilities, and he thanked RIM for providing the LAN. The chairman closed the meeting at 13:40 hours on Friday.

Annex A List of all temporary documents

TDOC	Subject	Source	Agenda Item	WG_Status
T2-040265	Draft Agenda T2#26	WG Chairman	OP	agreed
T2-040266	Draft Meeting Report T2#25, Edinburgh, 19-23 April 2004	TB Officer	OP	agreed
T2-040267	Summary of T#24 and SA#24 issues of T2 interest	TB Officer	OP	noted
T2-040268	Draft Report of TSG-T meeting #24, Seoul	TB Officer	OP	noted
T2-040269	Draft Report of TSG SA meeting #24, Seoul	TB Officer	OP	noted
T2-040270	3GPP work plan	TB Officer	OP	noted
T2-040271	T2 spec status list	TB Officer	OP	noted
T2-040272	3GPP meeting calendar	TB Officer	OP	noted
T2-040273	withdrawn			withdrawn
T2-040274	LS from CN1 to T2 cc SA2 on resolution of SIP-based addresses	N1-041041	MMS	noted
T2-040275	LS from CN4 to T2, T, SA2 cc CN on Transfer of T2 GUP TS's	N4-040699	OP GUP	noted
T2-040276	LS from OMA-MWG to 3GPP T2, 3GPP2 TSG-X on developing a mechanism to reject deferred MMs	OMA-MWG-2004-0054R01	MMS	noted
T2-040277	LS from SA1 to T3, TSG CN1, TSG T1 cc TSG T, TSG T2 on Support of multiple HPLMN codes in EF_HPLMNwAcT	S1-040449	OP HPLMN Codes	noted
T2-040278	LS from SA1 to T3 cc T2 on MMS presentation by USAT	S1-040543	MMS	noted
T2-040279	LS from SA2 to T2, OMA TP, IETF LEMONADE cc SA3 on MMS over 3GPP Interworking WLANs	S2-041675	MMS	noted
T2-040280	LS from SA2 to T2, TSG-T, CN4 cc TSG-CN on Transfer of T2 GUP TS's	S2-042207	OP GUP	noted
T2-040281	LS from SA2 to T2 cc CN1 on resolution of SIP-based addresses	S2-042269	MMS	noted
T2-040282	LS from SA3 to T2 cc T3 on Potential Security issues relating to use of AT Commands to access UICC	S3-040383	AT	noted
T2-040283	LS from SA3 to TSG-SA WG1, T WG1 WG2, GERAN WG2 cc GSMA SG, DIG on Removal of A5/2 from handsets from GSMA SG	S3-040431	OP A5/2	noted
T2-040284	LS from SA5 to T2, GSMA BARG cc GSMA MMS TF on MM4 Multiple recipients	S5-044341	MMS	noted
T2-040285	LS from T3 to CN1, SA1, T1 cc T,T2 on Support of multiple HPLMN codes in EF_HPLMNwAcT	T3-040295	OP HPLMN Codes	noted
T2-040286	LS from T3 to SA1 cc T2 on MMS presentation by USAT	T3-040305	MMS	noted
T2-040287	LS from 3GPP2 TSG-X to T2, OMA MWG on MMS Work Transfer and Coordination	3GPP2 TSG-X	MMS	noted
T2-040288	LS from IETF LEMONADE to SA2, T2, OMA TP cc SA3 on LEMONADE for MMS over 3GPP Interworking WLANs	IETF LEMONADE	MMS	noted
T2-040289	LS from SA1 to SA3 cc GSMA SG, DIG, T2, GERAN2 on removal of A5/2 algorithm in Release 6 MEs	S1-040627	OP A5/2	noted
T2-040290	LS from SA3 to CN4, T2 cc SA2 on 'SMS Fraud countermeasures'	S3-040642	SMS	noted
T2-040291	LS from SA3 to SA1, SA2, T2 cc T3 on USIM and ISIM selection in the UE	S3-040651	OP/MMS	noted
T2-040292	LS from GSMA BARG to SA5, T2 re: multiple MM4 recipients	GSMA BARG	MMS	noted

TDOC	Subject	Source	Agenda Item	WG_Status
T2-040293	Information on Message Waiting Indications vs SIM fields vs Multiple Subscriber profiles	Infineon	SMS	noted
T2-040294	CR23.038 R4 MessageWaitingIndication MultipleSubscriberProfile guidance	Infineon	SMS	revised to T2-040331
T2-040295	CR23.038 R5 MessageWaitingIndication MultipleSubscriberProfile guidance	Infineon	SMS	revised to T2-040332
T2-040296	CR23.038 R6 MessageWaitingIndication MultipleSubscriberProfile guidance	Infineon	SMS	revised to T2-040333
T2-040297	CR23.040 R4 SpecialMessageIndication MultipleSubscriberProfile guidance	Infineon	SMS	revised to T2-040334
T2-040298	CR23.040 R5 SpecialMessageIndication MultipleSubscriberProfile guidance	Infineon	SMS	revised to T2-040335
T2-040299	CR23.040 R6 SpecialMessageIndication MultipleSubscriberProfile guidance	Infineon	SMS	noted
T2-040300	CR23.040 R6 SpecialMessageIndication-EnhancedVoiceMessageIndication MultipleSubscriberProfile introduction	Infineon	SMS	revised to T2-040336
T2-040301	CR23.040 R6 EnhancedVoiceMessageIndication mailbox number priority	Infineon	SMS	revised to T2-040337
T2-040302	CR23.038 R6 EnhancedVoiceMessageIndication CBS applicability	Infineon	CBS	revised to T2-040338
T2-040303	CR on 27.007 rev 6: Support of logical channels in AT commands	Axalto	AT	revised to T2-040314
T2-040304	CR 23.140 MMS R/S consistent handling of the MM7Replace.Req	Ericsson	MMS	noted
T2-040305	CR 23.140 extending MM7 interface to identify the VAS of service provider	China Mobile, Huawei Technologies	MMS	revised to T2-040354
T2-040306	CR 23.140 extending MM7 to express the real recipient	China Mobile, Huawei Technologies	MMS	noted
T2-040307	extending MM7 to express the real recipient	China Mobile, Huawei Technologies	MMS	noted
T2-040308	extending MM7 to identify value added service of service providers	China Mobile, Huawei Technologies	MMS	noted
T2-040309	CR 23.140 R6: Enabling transmission and reception of MMS to UICC	Axalto	MMS	noted
T2-040310	CR 23.140 Rel-6: Adding status text in the MM1 Delivery Report	China Mobile, Comverse, Nokia	MMS	revised to T2-040355
T2-040311	CR 23.140 Rel-6: Indication about Content Adaptation	Nokia	MMS	revised to T2-040356
T2-040312	CR 23.140 Rel-6: Replacing Multimedia Message in Recipient Terminal	Nokia	MMS	revised to T2-040353
T2-040313	CR 27.007 Rel-6: Correction to AT command +CHSN	Ericsson	AT	agreed
T2-040314	CR 27.007 Rel-6: Support of logical channels in AT commands	Axalto	AT	revised to T2-040348
T2-040315	LS from T2 to SA2, OMA TP, OMA MWG-MMSG, IETF LEMONADE cc SA3 on MMS over 3GPP Interworking WLANs	T2	MMS	approved (e-approved)
T2-040316	CR 23140 REL-6 Introducing Application Addressing in MMS	Infineon	MMS	revised to

TDOC	Subject	Source	Agenda Item	WG_Status
		Technologies AG		T2-040327
T2-040317	LS from GSMA SCaG to SA1, T2, T3 on Proposal for Improved Cell Broadcast Capability within USAT	GSMA SCaG	CBS USAT	noted
T2-040318	LS reply from T3 to GSMA SCaG, 3GPP T2 on Proposal for Improved Cell Broadcast Capability within USAT	T3-040527	CBS USAT	noted
T2-040319	LS from T3 to 3GPP2-TSG-C, 3GPP2-TSG-C-WG1-SWG1.4, 3GPP-TSG-T cc 3GPP-T2 concerning harmonization of MMS provisioning files between 3GPP & 3GPP2	T3-040517	MMS	noted
T2-040320	CR 23.140 Rel 6 Additional DRM Requirements to the MMS Relay Server	T-Mobile	MMS	revised to T2-040357
T2-040321	CR 23.140 Rel 6 Support of Messaging Service Control Function (MSCF)	T-Mobile	MMS	revised to T2-040366
T2-040322	3GPP TS yy.xxx V0.0.1 MMx interface based on Diameter protocol (Stage 3)	T-Mobile	MMS	revised to T2-040368
T2-040323	CR 23.140 Rel-6: MM4 Delivery Report Forwarding	Nokia	MMS	revised to T2-040358
T2-040324	LS from SA2 to SA3, CN4, T2 on mapping tunnels for WLAN 3GPP IP access and W-APNs	S2-042887	OP	noted
T2-040325	LS from SA4 to T2 on Draft Audio codec enhancement for MMS	S4-040544	MMS	noted
T2-040326	LS from T2 to SA3 cc SA1, T1, GERAN2 on Removal of A5/2 from specifications	T2	OP A5/2	agreed
T2-040327	CR 23140 REL-6 Introducing Application Addressing in MMS (revised T2-040316)	Infineon Technologies AG	MMS	revised to T2-040347
T2-040328	Agenda MMS Sessions at T2#26	Infineon Technologies AG	MMS	revised to T2-040340
T2-040329	LS from T2 to SA3 cc CN4,SA2 on 'SMS Fraud countermeasures'	T2	SMS	agreed
T2-040330	LS from T2 to GSMA SCaG cc 3GPP-SA1, 3GPP-T3 on Proposal for Improved Cell Broadcast Capability within USAT	T2	CBS USAT	agreed
T2-040331	CR23.038 R4 MessageWaitingIndication MultipleSubscriberProfile guidance	Infineon	SMS	agreed
T2-040332	CR23.038 R5 MessageWaitingIndication MultipleSubscriberProfile guidance	Infineon	SMS	agreed
T2-040333	CR23.038 R6 MessageWaitingIndication MultipleSubscriberProfile guidance	Infineon	SMS	agreed
T2-040334	CR23.040 R4 SpecialMessageIndication MultipleSubscriberProfile guidance	Infineon	SMS	agreed
T2-040335	CR23.040 R5 SpecialMessageIndication MultipleSubscriberProfile guidance	Infineon	SMS	agreed
T2-040336	CR23.040 R6 SpecialMessageIndication MultipleSubscriberProfile guidance	Infineon	SMS	agreed
T2-040337	CR23.040 R6 EnhancedVoiceMessageIndication mailbox number priority	Infineon	SMS	agreed
T2-040338	CR23.038 R6 EnhancedVoiceMessageIndication CBS applicability	Infineon	CBS	agreed
T2-040339	Color coded MMS REL-6 WID	Infineon	MMS	revised to T2-040341
T2-040340	Agenda MMS Sessions at T2#26	Infineon	MMS	agreed
T2-040341	Color coded MMS REL-6 WID	Infineon	MMS	revised to T2-040370

TDOC	Subject	Source	Agenda Item	WG_Status
T2-040342	CR 23140 REL-6 clarification on annexes B and C	Nokia	MMS	agreed
T2-040343	MMS stge 1 CRs	T2 secretary	MMS	noted
T2-040344	for info: CR236 to 31.102 Rel-6 Introduction of M-IMAP and SIP as MMS implementations in MMS provisioning	T3	MMS	withdrawn
T2-040345	LS from T2 to T3, 3GPP2-TSG-C, 3GPP2-TSG-C-WG1-SWG1.4, 3GPP-TSG-T concerning harmonization of MMS provisioning files between 3GPP & 3GPP2	T2	MMS	agreed
T2-040346	T2 suggestion for revised CR 31.102 REL-6 Introduction of M-IMAP and SIP as MMS implementations in MMS provisioning	Infineon	MMS	endorsed
T2-040347	CR 23.140 REL-6 Introducing Application Addressing in MMS	Infineon	MMS	agreed
T2-040348	CR 27.007 R6: Support of logical channels in AT commands	Axalto	AT	revised to T2-040360
T2-040349	LS from T2 to SA3 cc SA1, SA2, T3 on USIM and ISIM selection in the UE	T2	OP/MMS	agreed
T2-040350	reuse / new PDU for deletion of deferred MMs	Ericsson	MMS	noted
T2-040351	LS from T2 to GSMA BARG CPWP, SA5 cc GSMA MMS TF on multiple MM4 recipients	T2	MMS	agreed
T2-040352	CR 23140 REL-6 Support for multiple and single recipients on MM4	Nokia Corporation	MMS	agreed
T2-040353	CR 23.140 Rel-6: Replacing Multimedia Message in Recipient Terminal	Nokia	MMS	noted
T2-040354	CR 23140 REL-6 extending MM7 to identify value added service of service providers	Ericsson	MMS	agreed
T2-040355	CR 23.140 Rel-6: Adding status text in the MM1 Delivery Report	China Mobile, Comverse, Nokia	MMS	agreed
T2-040356	CR 23.140 Rel-6: Indication about Content Adaptation	Nokia	MMS	agreed
T2-040357	CR 23.140 Rel 6 Additional DRM Requirements to the MMS Relay Server	T-Mobile	MMS	agreed
T2-040358	CR 23.140 Rel-6: Clarification of interpretation of value “No” in Information Element “Forward to Originator UA” in the MM4 Delivery Report Forwarding	Nokia	MMS	agreed
T2-040359	CR 23140 REL-6 Deletion of table K.6	Ericsson	MMS	agreed
T2-040360	CR 27.007 R6: Support of logical channels in AT commands	Axalto	AT	agreed
T2-040361	CR 23140 New PDU for deletion of deferred MMs	Ericsson	MMS	noted
T2-040362	CR 23140 Clarification on MM4_forward.REQ covering partial status information	Nokia	MMS	agreed
T2-040363	LS from T2 to SA5 informing about recent 23.140 changes affecting CDRs	T2	MMS	agreed
T2-040364	Use of application ID to target the UICC	Axalto	MMS	noted
T2-040365	LS from T2 to T3 cc T on enabling MMS transmission and reception to UICC	T2	MMS	agreed
T2-040366	CR 23.140 Rel 6 Support of Messaging Service Control Function (MSCF)	T-Mobile	MMS	revised to T2-040369
T2-040367	Cover sheet for Presentation of MSCF stage 3 to TSG-T	T-Mobile	MMS	noted
T2-040368	3GPP TS yy.xxx V0.0.1 MMx interface based on Diameter protocol (Stage 3)	T-Mobile	MMS	noted
T2-040369	CR 23.140 Rel 6 Support of Messaging Service Control Function (MSCF)	T-Mobile	MMS	agreed
T2-040370	Color coded MMS REL-6 WID	Infineon	MMS	noted

Annex B Outgoing Documents

B.1 Change Requests submitted to TSG-T#25

The following CRs will be submitted to TSG-T#25 for approval:

"AT commands" Change Request

Spec	CR	Rev	Rel	Subject	Cat	Version-Current	Version-New	Doc-2nd-Level	Workitem
27.007	117	-	Rel-6	Correction to AT command +CHSN	F	6.5.0	6.6.0	T2-040313	HSCSD
27.007	118	-	Rel-6	Support of logical channels in AT commands	B	6.5.0	6.6.0	T2-040360	TEI6

"SMS" Change Requests

Spec	CR	Rev	Rel	Subject	Cat	Version-Current	Version-New	Doc-2nd-Level	Workitem
23.038	011	-	Rel-4	Message Waiting Indication – how to handle Multiple Subscriber Profiles	F	4.4.0	4.5.0	T2-040331	TEI4
23.038	012	-	Rel-5	Message Waiting Indication – how to handle Multiple Subscriber Profiles	A	5.0.0	5.1.0	T2-040332	TEI5
23.038	013	-	Rel-6	Message Waiting Indication – how to handle Multiple Subscriber Profiles	F	6.0.0	6.1.0	T2-040333	TEI6
23.038	014	-	Rel-6	Enhanced Voice Mail Information – not applicable for CBS	F	6.0.0	6.1.0	T2-040338	TEI6
23.040	074	-	Rel-4	Special Message Indication – how to handle Multiple Subscriber Profiles	F	4.8.0	4.9.0	T2-040334	TEI4
23.040	075	-	Rel-5	Special Message Indication – how to handle Multiple Subscriber Profiles	A	5.7.1	5.8.0	T2-040335	TEI5
23.040	076	-	Rel-6	Special Message Indication – introduction of Multiple Subscriber Profiles	B	6.4.0	6.5.0	T2-040336	TEI6
23.040	077	-	Rel-6	Enhanced Voice Mail Information – access number priority	F	6.4.0	6.5.0	T2-040337	TEI6

"MMS" Change Requests

Spec	CR	Rev	Rel	Subject	Cat	Version-Current	Version-New	Doc-2nd-Level	Workitem
23.140	164	-	Rel-6	Deletion of annex K.6	F	6.6.0	6.7.0	T2-040359	MMS6
23.140	165	-	Rel-6	Clarification about WAP-based and IP-based MM1 implementations	F	6.6.0	6.7.0	T2-040342	MMS6
23.140	166	-	Rel-6	Introducing Application Addressing in MMS	B	6.6.0	6.7.0	T2-040347	MMS6
23.140	167	-	Rel-6	Adding status text in the MM1 Delivery Report	C	6.6.0	6.7.0	T2-040355	MMS6
23.140	168	-	Rel-6	Indication about Content Adaptation	C	6.6.0	6.7.0	T2-040356	MMS6
23.140	169	-	Rel-6	Clarification of interpretation of value “No” in Information Element “Forward to Originator UA” in the MM4 Delivery Report Forwarding	C	6.6.0	6.7.0	T2-040358	MMS6
23.140	170	-	Rel-6	Clarification of MM4_Forward.RES covering partial status information.	C	6.6.0	6.7.0	T2-040362	MMS6

Spec	CR	Rev	Rel	Subject	Cat	Version-Current	Version-New	Doc-2nd-Level	Workitem
23.140	171	-	Rel-6	Support for multiple and single recipients on MM4	C	6.6.0	6.7.0	T2-040352	MMS6
23.140	172	-	Rel-6	Adding the Information Elements VASID and VASPID to the MM7_Deliver.REQ	B	6.6.0	6.7.0	T2-040354	MMS6
23.140	173	-	Rel-6	Support of Messaging Service Control Function (MSCF)	B	6.6.0	6.7.0	T2-040369	MMS6
23.140	174	-	Rel-6	Additional DRM Requirements to the MMS Relay Server	B	6.6.0	6.7.0	T2-040357	MMS6

B.2 Outgoing Liaison Statements

The following LSs were sent from T2#26:

TDOC	Subject	Agenda Item	Comments
T2-040326	LS from T2 to SA3 cc SA1, T1, GERAN2 on Removal of A5/2 from specifications	OP A5/2	sent 30/08/2004
T2-040329	LS from T2 to SA3 cc CN4,SA2 on 'SMS Fraud countermeasures'	SMS	sent 30/08/2004
T2-040330	LS from T2 to GSMA SCaG cc 3GPP-SA1, 3GPP-T3 on Proposal for Improved Cell Broadcast Capability within USAT	CBS USAT	sent 30/08/2004
T2-040345	LS from T2 to T3, 3GPP2-TSG-C, 3GPP2-TSG-C-WG1-SWG1.4, 3GPP-TSG-T concerning harmonization of MMS provisioning files between 3GPP & 3GPP2	MMS	sent 30/08/2004
T2-040349	LS from T2 to SA3 cc SA1, SA2, T3 on USIM and ISIM selection in the UE	OP/MMS	sent 30/08/2004
T2-040351	LS from T2 to GSMA BARG CPWP, SA5 cc GSMA MMS TF on multiple MM4 recipients	MMS	sent 30/08/2004
T2-040363	LS from T2 to SA5 informing about recent 23.140 changes affecting CDRs	MMS	sent 30/08/2004
T2-040365	LS from T2 to T3 cc T on enabling MMS transmission and reception to UICC	MMS	sent 30/08/2004

B.3 Reports/Specifications submitted to TSG-T#25

TDOC	Subject
T2-040368	3GPP TS yy.xxx V0.0.1 MMx interface based on Diameter protocol (Stage 3) **for information**
T2-040367	Cover sheet for Presentation of MSCF stage 3 to TSG-T

B.4 Work Items submitted to TSG-T#25

None.

B.5 Other docs submitted to TSG-T#25

TDOC	Subject
T2-040361	CR 23.140 Rel-6: New PDU for deletion of deferred MMs **for information**
T2-040353	CR 23.140 Rel-6: Replacing Multimedia Message in Recipient Terminal **for information**

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