3GPP TSG-T (Terminals) Meeting #19
Birmingham, UK
12 - 14 March, 2003

TP-030036

Draft T2#20 Report V 0.3

3rd Generation Partnership Project (3GPP);
Technical Specification Group Terminals (TSG-T);
Working Group 2 Mobile Terminal Services and Capabilities;
Draft Meeting Report
T2#20
San Francisco, CA, USA, 20-24 January 2003

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Chairman: Ian HARRIS (Teleca Ltd.)

Secretary: Friedhelm RODERMUND (MCC)

1 Opening Plenary

1.1 Opening of the meeting

T2 chairman Ian HARRIS (Teleca Ltd.) opened the meeting and welcomed the delegates. DeWayne SENETT (AT&T Wireless) welcomed the delegates to San Francisco on behalf of the host AT&T Wireless and Roger Wireless and explained the logistics and organizational details.

1.2 Approval of the agenda and schedule

The agenda and schedule in **T2-030002** was approved.

1.3 Notification of IPR Obligations

The chairman made the call for IPRs. **T2-030003** 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#19, Bundang, Korea, 18-22 November 2002 (**T2-020001**) was approved.

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

ftp://www.3gpp.org/TSG_T/WG2_Capability/TSGT2_19/Report

1.5 Reports from other groups

1.5.1 Report from TSG T

A summary of issues of T2 interest from the T#18 meeting held on New Orleans, 4 - 6 December 2002 was presented by Friedhelm RODERMUND in **T2-030006**:

Comments/questions:

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

- Regarding the T2 work item on UEM, the SWG2 chairman reported that there is still no sufficient support. He asked companies again considering supporting the work item.
- The T2 chairman mentioned that there is a huge WID on MMS matters but so far there was not much input on MMS Rel-6. He invited companies to bring contributions in case they want these items to be completed in the Rel-6 timeframe.

The report was noted.

The documents can be found on the FTP server at:

ftp://ftp.3gpp.org/TSG_T/TSG_T/TSGT_18

The specifications updated after T#18 can be found at:

ftp://www.3gpp.org/Specs/2002_12

1.5.2 Report from TSG SA

A summary of issues of T2 interest from SA#18 meeting held in New Orleans, USA 9 - 12 December2002 was presented by Friedhelm RODERMUND in **T2-030006**:

The report was noted.

The draft TSG-SA#18 meeting report can be found in **T2-020007**.

The documents can be found on the FTP server at:

ftp://ftp.3gpp.org/TSG_SA/TSG_SA/TSGS_18

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#03 meeting on GUP/DDF and Common Objects held 16-18 January in San Francisco, US hosted by AT&T Wireless and Roger Wireless. The report can be found in **T2-030043**.

Topics discussed at this meeting were GUP/DDM topics related to TS23.241 and TS24.241. A number of incoming docs related to 23.241, GUP, DDM Data Descriptions Method specs were reviewed. Work progressed on a revised structure for 23.241 to align with the consensus. Agreement for the Solution Strategy for GUP. There was some work on the proposed content of the 23.241. Two documents were approved for submission to this week's meeting of SWG2.

1.5.5 Report from TSG T2 SWG3

No SWG3 meeting took place since the last T2 meeting.

1.5.6 Open Mobile Alliance (OMA) Requirements Meeting.

T2 vice-chairman Peter NEUMANN (Siemens) reported from the OMA Requirements group that new work items are coming up which might also have an impact on the work of SA1 and T2. It seems that companies would like to continue and complete the ongoing MMS Rel-6 work in 3GPP T2 and other 3GPP WGs.

1.5.7 IETF

Rami NEUDORFER (Comverse) reported about the work ongoing on IMS Messaging of which the third mode requirements are very similar to MMS. He identified the need to be have a better coordination between the IETF work and the MMS work.

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_20_SanFrancisco/Docs

1.7 Incoming Liaison Statements:

All LSs were assigned to SWGs in advance to the meeting by the T2 secretary.

1.8 3GPP Work Plan

The latest version of the 3GPP work plan was available in **T2-030010**. 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 and work item rapporteurs for creating the update.

T2-030004 contains the list of TSs and TRs for which T2 is responsible showing the latest versions of these specifications. The document was noted.

T2-030011 contains an overview about all work items T2 is working on and for which T2 has a prime or secondary responsibility. The document was noted.

1.9 AOB

T2-030032 contains a presentation on a proposed method to analyze multiple use cases in parallel to optimize the network resources and was presented by DeWayne SENNETT (AT&T Wireless).

It proposes a systematic method for evaluating the scenarios for various use cases, and to further identify and derive appropriate optimized network architecture for supporting the use cases. The proposed action to T2 was to adopt the proposed methods to analyze the three multiple use cases in parallel to optimize the network resources: SUM, UEM, MMS.

Comments/questions:

- The intention of this proposal was not entirely clear.
- The lack of support for UEM was again mentioned by the SWG2 chairman.

The document was noted.

T2-030033 contains a presentation on the improved HLR/HSS system and method to leverage user service data profile and was presented by AT&T Wireless. It was proposed for T2 to adopt this solution.

Comments/questions:

- It was mentioned that T2 takes the lead on work related to GUP from SA2 and therefore T2 needs guidance from SA2. Consequently, it was suggested to present this also to SA2 to analyze this.

SWG2 was tasked to study this and bring their thoughts to SA2.

T2-030009 on T2 closing plenary preparation was presented by the T2 chairman. It is explaining the use of the new SWG output folders and the document and report handling for the closing plenary preparation. The document was noted.

2 Subgroup Meetings

Between T2 opening and closing plenary, two sub group sessions (SWG2, SWG3) were held. The reports can be found in Annexes D-E. The results may have been changed and amended during the closing plenary. The final results of the T2#20 meeting are reported in the following clauses.

3 Closing Plenary

3.1 Results SWG1 Execution Environment

No SWG1 session took place during the T2#20 meeting.

3.2 Results SWG2 Terminal Interfaces and Capabilities

The SWG2 report in **T2-030031** was presented by SWG2 chairman Prem SOOD (Sharp). The report was revised to **T2-030183** fixing editorials and can be found in Annex D.

Topics discussed at this meeting included, Generic User Profiles, User Equipment Management AT Commands, various Liaison Statements.

Generic User Profiles: Presentations on the status of work for Generic User Profiles were discussed. A number of incoming LSs and docs were reviewed. The proposed structure of 23.241 developed in SWG2#03, and other output docs form SWG2#03, were approved by SWG2. Contributions on the content of 23.241 were approved, and two versions of 23.241 incorporating the changes were approved. Contributions regarding use cases and Information Model were also presented.

It was agreed that it was too early to progress the work on GUP and therefore the Phoenix meetings Feb 25-27 were cancelled.

User Equipment Management: After further discussion and request for support, it was concluded that there is still insufficient support 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 SWG2 is unable to propose any change to the status Reported in T2#19.

The SWG2 chairman reported that this was Olga TOME's (Ericsson) last meeting. She has been participating in T2 and actively contributing during several years. He thanked Olga for all the excellent work done and in the name of T2 he wished her all the best for her future.

3.2.1 Change requests

T2-030100 contains a CR to 27.007 Rel-4 on the clarification in the behavior of AT+CGCLASS. The CR was agreed.

T2-030101 contains a CR to 27.007 Rel-5 on the clarification in the behavior of AT+CGCLASS. The CR was agreed.

T2-030102 contains a CR to 27.007 Rel-6 on the clarification in the behavior of AT+CGCLASS. The CR was agreed.

T2-030118 contains a CR to 27.007 R99 on the AT Command +CGCLASS. The CR was agreed.

T2-030140 contains a CR to 07.07 R98 correcting the ATV0 result codes. There is an inconsistency in some ATV0 numeric result codes, the values explicitly listed in the Annex B of the current specification are not the

same as the referenced ITU-T V.25ter values. The “Proposed change affects” has to be ticked. The T2 secretary pointed out that questions may arise at TSG-T whether CRs to the old releases are really needed. The SWG2 chairman explained that the SWG2 group discussed this matter and thought it is required for the old releases for the reason stated on the cover sheet. The CR was agreed.

T2-030141 contains a CR to 27.007 R99 correcting the ATV0 result codes. The CR was agreed.

T2-030142 contains a CR to 27.007 R4 correcting the ATV0 result codes. The CR was agreed.

T2-030143 contains a CR to 27.007 R5 correcting the ATV0 result codes. The CR was agreed.

T2-030144 contains a CR to 27.007 R6 correcting the ATV0 result codes. The CR was agreed.

T2-030152 contains a CR to for 27.007 R99 correcting the AT+WS46 parameter values. The “provisional agreement” which was stated in the SWG2 report was removed since Nokia agreed to the CR . The CR was agreed.

T2-030153 contains a CR to for 27.007 R4 correcting the AT+WS46 parameter values. The CR was agreed as cat A.

T2-030154 contains a CR to for 27.007 R5 correcting the AT+WS46 parameter values. The CR was agreed as cat A.

T2-030155 contains a CR to for 27.007 R6 correcting the AT+WS46 parameter values. The CR was agreed as cat A.

T2-030157 contains a CR to 27.007, R99 on AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class. The CR was agreed.

T2-030158 contains a CR to 27.007, R4 on AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class. The CR was agreed.

T2-030159 contains a CR to 27.007, R5 on AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class. The CR was agreed.

T2-030180 contains a CR to 27.007, R6 on AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class. The CR was agreed.

3.2.2 Outgoing Liaison Statements

T2-030146 contains an LS to SA1 cc T3, SA3 on having a single (U)SIM to authenticate multiple devices simultaneously using local wireless link. The capability for a single (U)SIM to authenticate multiple devices to access multiple networks simultaneously from a point of view of Services and Capabilities to be delivered on TE was not considered to be viable, due to major security concerns. T2 would like to wait for guidance from SA3 before T2 takes any action.

Discussion:

- Toshiba raised their objections on the LS and explained by quoting an LS S1-020036 dated February '02, from SA3 to SA1 and SA2, on “Security for UE Functional Split”, that security of the local interface between the TE and the MT was declared impossible because of the time constraint to meet the Release-5 time frame, and not because the technology was handicapped to handle the security issues.. Toshiba also pointed out that, their proposal is in line with the requirements laid down in section 6.3.5.2 in approved TR 22.934 V6.1.0, (December '02) on “Feasibility Study on 3GPP system to WLAN interworking” wherein it is stated that “Several options have been identified, which may require further study, including dedicated UICC card reader within the WLAN card, external UICC Card reader, by WLAN device communicating with UICC (e.g. via Bluetooth or IrDA port)”.
- However, other delegates reminded that the problems identified were so severe that the work was not continued.

The LS was revised to **T2-030190** fixing some editorials, and adding a note about Toshiba’s concerns. The LS was agreed. Brian MARCHENT (Matsushita) announced to start a general email discussion on the subject.

T2-030156 contains an LS to SA2 cc T on T2 GUP Coordination Progress Report informing SA2 as the GUP Co-ordinating Group about the latest GUP activities in T2 and asking them for comments on some GUP-related topics.The LS was agreed.

3.3 Results SWG3 Messaging

The report of SWG3 was presented in **T2-030051** by Paolo FRANZOI (Vodafone Omnitel)who acted as secretary of the SWG3 meeting. Rami NEUDORFER acted as SWG3 chairman in Josef LAUMEN's absence. The SWG3 report was revised to **T2-030187** and can be found in Annex E.

Topics discussed at this meeting included corrections to REL-5 Stage 2 that were highlighted by OMA-MMDC, several contributions resulting from the use of multiple R/S within a single network operator MMSE, discussions on e-mail connectivity, discussions on IMS Messaging/Deferred and MMS, harmonisation of work with 3GPP2, and potential interoperability issues related to the storing of MMS-related parameters into the (U)SIM.

Four "rolling" CRs have been created which will be further discussed at future meetings before they are submitted for approval. They are related to the following subjects: thirds party pay (T2-030062), addition of MMS relay identifier (T2-030070), providing MM7 message related fields on MM4 (T2-030134), extension of delivery report over MM4 (T2-030135).

A joint SA1/T2-SWG3 meeting was held on Wednesday 22nd morning, where MMS topics were discussed. The meeting report is available as **T2-030184**.

The support of the MMS Enhancements WID which was approved some time ago was felt to be unclear because not much input has been provided on Rel-6 so far. Furthermore, the large scope shown in the WID seems to be very ambitious for Rel-6. Currently it is not clear what enhancements the industry can expect in MMS Rel-6. To gather information about the support of the items on the WID, the T2 chairman went through all items and asked which companies support them. The result of this can be found in **T2-030185** which is considered as purely informal and as a basis of further discussion on refining the WID.

The SWG3 chairman will steer a discussion about the need of a joint meeting with SA1 and about the need of having a SWG3 meeting.

3.3.1 Change requests

T2-030052 contains a CR to 23.140 Rel-5 on transferring distribution indicator as part of message retrieval. The CR was agreed. During the meeting it was noted that the Rel-6 mirror CR was missing, and Ville WARSTA created it in **T2-030186**. The CR was agreed.

T2-030068 contains a CR to 23.140 Rel-6 on the recipient handling on MM4. Currently, MM4 does not specify how to handle multiple recipients for both sending/receiving recipients at the SMTP level (RCPT TO) and may create interoperability problems. The CR was agreed.

T2-030077 contains a CR to 23.140 Rel-5 on support of Bcc: field over the MM4. The CR was agreed.

T2-030086 contains a CR to 23.041 Rel 4 on CB data. The maximum length of the parameter CB Data is clarified. The CR was agreed.

T2-030087 contains a CR to 23.041 Rel 5 on CB data. The CR was agreed.

T2-030088 contains a CR to 23.041 Rel 6 on CB data. The CR was agreed.

T2-030093 contains a CR to 23.140 Rel-4 on 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 if the parameters are present on the (U)SIM. The CR was agreed.

T2-030123 contains a CR to 23.140 Rel-4 on conditional usage of the Message-ID in MM1_Retrieve.RES. This CR is addressing the irregularity pointed out by OMA-MAG-MMDC by proposing a change to the presence of the Message-ID in the MM1_Retrieve.RES from mandatory to optional for 3GPP MMS Rel-4. The CR was agreed conditionally subject to explanation which will be provided by Peter NEUMANN why it

was different from the mirror CRs (”optional” instead “conditional”). *Note after the meeting: revised CR e-agreed as **T2-030188**.*

T2-030121 contains a CR to 23.140 Rel-5: Conditional Usage of the Message-ID in MM1_Retrieve.RES. This CR is addressing the irregularity pointed out by OMA-MAG-MMDC by proposing a change to the presence of the Message-ID in the MM1_Retrieve.RES from mandatory to conditional for 3GPP MMS Rel-5. The CR was agreed .

T2-030122 contains a CR to 23.140 Rel-6: Conditional Usage of the Message-ID in MM1_Retrieve.RES. The CR was agreed .

T2-030124 contains a CR to 23.140 on additional Viewrequst parameters. The CR was agreed.

T2-030125 contains a CR to 23.140 on additional Viewrequst parameters. The CR was agreed.

T2-030129 contains a CR to 23.140 Rel-4 fixing the error of the MM4_Read_reply_report processing referring to an incorrect message. The CR was agreed.

T2-030130 contains a CR to 23.140 Rel-5 fixing the error of the MM4_Read_reply_report processing referring to an incorrect message contains a CR to 23.140 Rel-4. The CR was agreed.

T2-030131 contains a CR to 23.140 Rel-6 fixing the error of the MM4_Read_reply_report processing referring to an incorrect message. The CR was agreed.

T2-030132 contains a CR to 23.140 Rel-5 about the addition of missing fields in table K6. The CR was agreed.

T2-030133 contains a CR to 23.140 Rel-6 about the addition of missing fields in table K6 . The CR was agreed.

It was announced that Comverse will produce a CR to 23.140 on the MM7 Version definition in T2-030078 which will be put on e-approval. *Note after the meeting: CRs e-agreed as **T2-030193** (Rel-5) and **T2-030194** (Rel-6).*

3.3.2 Outgoing Liaison Statements

T2-030085 contains an LS to SA1 cc T3, SA4 on codings for storing melodies in the USIM (Release 6) informing SA1 that the melody codings used in the context of SMS/EMS are iMelody and MID. The LS has already been approved and sent on the second day of the meeting.

T2-030084 contains an LS to GSMA SERG cc GSMA CPWP, GSMA IREG, 3GPP SA1 on MM4 interface and DMZ architecture. T2 asks GSMA SERG to provide more input on further actions needed towards the MM4 reference point to enable DMZ Architectures to operate. The LS was agreed.

T2-030089 contains an LS to T3, RAN2 on Cell Broadcast Download data parameters. The maximum length of the parameter CB Data is clarified. The LS was agreed.

T2-030126 contains an LS to OMA MAG MMDC on MMS MMBOX as an reply to queries from OMA MAG MMDC regarding the MMBox View specification. The LS was agreed.

T2-030127 contains an LS to OMA MAG MMDC on MMS issues. T2 gives their opinion on several MMS issues raised and requests OMA MMDC to remove the reference to the unreachable status code from the draft current specifications. The LS was agreed.

T2-030128 contains an LS to 3GPP2 TSG-N cc 3GPP SA1, 3GPP TSG-T, 3GPP2 TSG-S on MMS Standards Status. T2 ask 3GPP2 to provide the status of the 3GPP2 MMS standards specifications, a view of the planned evolution, copies of the current specifications and input on how collaborative harmonization of 3GPP and 3GPP2 MMS specifications can be achieved. The LS was agreed.

T2-030136 contains an LS to T3 on encoding example for MMS Connectivity information. Having recognized that the storage of MMS Connectivity Information on the (U)SIM is open to misinterpretation, T2 proposes a joint meeting with T3 to solve the issue. The date for the T2/T3 joint meeting will be the 12th of Feb, 2003 collocated with the T3 meeting in Portugal. The LS was agreed.

T2-030137 contains an LS to SA2 cc SA1, CN1 on IMS Messaging. T2 has started a preliminary study regarding the relevant technical issues and will inform SA2 about the results when they are ready. The LS was agreed.

4 Future meeting schedule

T2-030012 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
joint meeting T2/T3 on MMS USIM issues	12 Feb 2003	Portugal	
T2 SWG3#12 tbc	possibly end of Feb	tbd	SWG3 chair will discuss need via email.
joint meeting SA1 Messaging/ T2 SWG3 tbc	possibly end of Feb	tbd	SWG3 chair will discuss need via email.
T#19	12–14 Mar 2003	Birmingham, UK	Vodafone, T-Mobile, O2, Orange, 3, DTI, RA
SWG2#04 on GUP	April 7-10, 2003	Berlin, DE	European Friends of 3GPP
joint meeting T2 SWG2/SA5 on GUP, SuM, UEM	during April 7-10, 2003	Berlin, DE	European Friends of 3GPP
T2#21	12–16 May 2003	San Diego, US	North 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	Siemens
T2#23	17–21 Nov 2003	host needed	host needed
T#22	10–12 Dec 2003	US	North American Friends of 3GPP

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

T2-030024 is an LS from SA1 on T2 proposal for GUP requirements- UE Data access and Backwards Compatibility which was received on the 4th day of the meeting after SWG2's closure. The LS was noted and SWG2 will study it offline or possibly at the next meeting.

T2-030025 contains an reply LS from SA1 on T2's proposed changes to TS22.240 v1.0.0, Stage1 Service Requirements for GUP received on the last day of the meeting. The LS was noted.

T2-030026 contains an LS from SA1 on MM7 functionality enhancements requested by GSMA SERG received on the last day of the meeting. The LS was noted and SWG3 will study it offline or possibly at the next meeting.

T2 vice-chairman Peter NEUMANN (Siemens) resigned as vice-chairman and announced that he will not be able to attend further T2 meetings due to other responsibilities. Peter has been an active member of SMG4 and T2 for many years. The T2 chairman noted Peter's departure with deep regret and thanked Peter for all the excellent work done and wished him all the best for the future.

The chairman reminded about the upcoming chairman/vice-chairman elections scheduled for the next T2 meeting in May.

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 AT&T Wireless and Roger Wireless for hosting the meeting and for providing the excellent facilities.

Annex A List of all temporary documents

TDOC	Subject	Source	SWG
T2-030001	Draft Meeting Report T2#19, 18-22 November 2002, Bundang	T2 secretary	OP
T2-030002	Draft Agenda T2#20, San Francisco	T2 chairman	OP
T2-030003	IPR guidance	MCC	OP
T2-030004	T2 specs status list	MCC	OP
T2-030005	3GPP meeting calendar	MCC	CP
T2-030006	Summary of T#18 and SA#18 issues of T2 interest	T2 secretary	OP
T2-030007	Draft Report of TSG-T meeting #18, New Orleans	T secretary	OP
T2-030008	Draft Report of TSG SA meeting #18, New Orleans	SA secretary	OP
T2-030009	T2 closing plenary preparation	T2 chairman	OP
T2-030010	3GPP work plan	MCC	OP
T2-030011	T2 work item overview	T2 secretary	OP
T2-030012	T2 future meetings (will be produced after the end of the SWG sessions)	T2 secretary	CP
T2-030013	LS from OMA MAG MMDC ON MMBOX --- for action	OMA-MAG-MMDC-2002-0001-LS ON MMBOX TO 3GPP T2	SWG3
T2-030014	LS from OMA TP TO TSG-T cc T2 ON MMS REL-5 STAGE 3 --- for presentation	OMA TP	SWG3
T2-030015	LS from OMA MAG MMDC on Usage of the Message-ID in the M-Retrieve.conf PDU --- for action	OMA-MAG-MMDC-2002-0011R1	SWG3
T2-030016	LS from OMA MAG MMDC on Inclusion of Message Distribution Indicator in the M-Retrieve.conf PDU --- for action	OMA-MAG-MMDC-2002-0017R1	SWG3
T2-030017	LS from SA1 on Having a Single USIM to Authenticate Multiple Devices Simultaneously Using Local Wireless Link --- for action	S1-022388	SWG2
T2-030018	LS from SA2 on the requirement for standardizing a Transcoding interface --- for presentation	S2-023488	SWG3
T2-030019	LS from SA2 on SMS over PS in Iu mode --- for presentation	S2-023655	SWG3
T2-030020	LS from TSG-T cc SA on MMS parameter storage on the SIM, and inter release ME behaviour --- to be noted (without presentation)	TP-020324	SWG3
T2-030021	LS from OMA MAG MMDC on New X-Mms-MM-Status-Code --- for action	OMA-MAG-MMDC-2002-0020-New X-Mms-MM-Status-Code	SWG3
T2-030022	LS from GSMA BARG to SA1 cc T2 on Roaming Awareness --- for presentation	GSMA BARG Doc 009/03	SWG3
T2-030023	WID MMS enhancements	T2	SWG3
T2-030024	LS from SA1 on T2 proposal for GUP requirements- UE Data access and Backwards Compatibility	S1-030218	CP
T2-030025	LS rom SA1on Response to LS on T2 proposed changes to TS22.240 v1.0.0, Stage1 Service Requirements for GUP	S1-030212	CP
T2-030026	LS rom SA1 on MM7 functionality enhancements requested by GSMA SERG	S1-030268	CP
T2-030027	T2 future meetings	T2 secretary	CP
T2-030028	not used		
T2-030029	not used		
T2-030030	SWG2 agenda at T2#20	SWG2 Chair	SWG2
T2-030031	SWG2 report at T2#20	NTT DoCoMo	SWG2
T2-030032	Proposed Method to Analyze Multiple Use Cases in Parallel to Optimize the Network Resources	ATTWS	OP/SWG2
T2-030033	Improved HLR/HSS System and Method to Leverage User Service Data Profile	ATTWS	OP/SWG2
T2-030034	Having a Single (U)SIM to Authenticate Multiple Devices Simultaneously Using Local Wireless Link (Technical and business	Toshiba	SWG2

	aspects)		
T2-030035	UE use cases for the GUP architcture	Siemens	SWG2
T2-030036	Behaviour of AT+CGCLASS for multi access mode mobile terminals	Matsushita	SWG2
T2-030037	CR 27.007 R99: Clarification in the behaviour of AT+CGCLASS	Siemens	SWG2
T2-030038	CR to 07.07 R98 Correction ATV0 command	Ericsson	SWG2
T2-030039	CR to 27.007 R99 Correction ATV0 command	Ericsson	SWG2
T2-030040	CR to 27.007 R4 Correction ATV0 command	Ericsson	SWG2
T2-030041	CR to 27.007 R5 Correction ATV0 command	Ericsson	SWG2
T2-030042	CR to 27.007 R6 Correction ATV0 command	Ericsson	SWG2
T2-030043	SWG2_03 Meeting Report, San Francisco, 16-18 Jan 2003	SWG2 Chair	SWG2
T2-030044	CR to 07.07 R98 Replace V.25ter by V.250	Ericsson	SWG2
T2-030045	CR to 27.007, R99: AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class	Motorola	SWG2
T2-030046	CR to 27.007, R4: AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class	Motorola	SWG2
T2-030047	CR to 27.007, R5: AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class	Motorola	SWG2
T2-030048	CR to 27.007, R6: AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class	Motorola	SWG2
T2-030049	TS 23.241 v0.3.3	Rapporteur	SWG2
T2-030050	agenda SWG3 Messaging at T2#20	SWG3 Chair	SWG3
T2-030051	draft report of SWG3 Messaging at T2#20	Vodafone Omnitel	SWG3
T2-030052	CR 23.140 Rel-5 Transferring distribution indicator as part of message retrieval	Comverse	SWG3
T2-030053	MMS and IMS messaging Discussion paper	Comverse	SWG3
T2-030054	MMS and IMS - Powerpoint Presentation	Comverse	SWG3
T2-030055	CR 23.140 Rel-4 MMS UA behaviour regarding the MMS parameters on the (U)SIM	Gemplus	SWG3
T2-030056	withdrawn	Siemens	SWG3
T2-030057	CR 23.140 Rel-5: Conditional Usage of the Message-ID in MM1_Retrieve.RES	Siemens	SWG3
T2-030058	CR 23.140 Rel-5: Typo in the wording of the MM4_Read_reply_report	Ericsson	SWG3
T2-030059	withdrawn - CR 23.140 Rel-5: Providing MM7 message related fields on MM3	Ericsson	SWG3
T2-030060	CR 23.140 Rel-5: Providing MM7 message related fields on MM4	Ericsson	SWG3
T2-030061	CR 23.140: enhanced function of delivery report	China Mobile	SWG3
T2-030062	CR 23.140: third party pay	China Mobile	SWG3
T2-030063	CR 23.140: prepaid MMS user	China Mobile	SWG3
T2-030064	Draft LS to SA2 regarding IMS Messaging	Nokia	SWG3
T2-030065	CR 23.140 Rel-4: Optional Usage of the Message-ID in MM1_Retrieve.RES	Siemens	SWG3
T2-030066	CR 23.140 Rel-5: third party pay	Huawei Technology	SWG3
T2-030067	CR 23.140 Rel-6: third party pay	Huawei Technology	SWG3
T2-030068	CR 23.140 Rel-6: Recipient Handling on MM4 (resubmission of T2-020954)	Ericsson	SWG3
T2-030069	CR 23.140: Addition of MMS Relay identifier (revised in T2-030070)	Comverse	SWG3
T2-030070	CR 23.140: Addition of MMS Relay identifier (revised T2-030069)	Comverse	SWG3
T2-030071	Rel-6 CRs to 22.140 on Multimedia Messaging (all approved by SA#18 except CR023)	SP-020660 (T2 secretary)	SWG3
T2-030072	CR 23.140: Clarification of how MMS connectivity information shall be stored on USIM (revised to T2-030076)	Ericsson	SWG3
T2-030073	CR 23.140 Rel-4: Typo in the wording of the MM4_Read_reply_report	Ericsson	SWG3
T2-030074	CR 23.140 Rel-6: Typo in the wording of the	Ericsson	SWG3

	MM4_Read_reply_report		
T2-030075	CR 23.140 Rel-6: Providing MM7 message related fields on MM4	Ericsson	SWG3
T2-030076	CR 23.140: Clarification of how MMS connectivity information shall be stored on USIM (revised T2-030072)	Ericsson	SWG3
T2-030077	CR 23.140 Rel-5: support of Bcc: field over the MM4	Vodafone	SWG3
T2-030078	CR 23.140 Rel-5: MM7 Version definition	Comverse	SWG3
T2-030079	CR 23.140 Rel-6: MM7 Version definition	Comverse	SWG3
T2-030080	CR 23.140 Rel-6: Handling of different MMS notifications	Telefonica Moviles, France Telecom, T-Mobile	SWG3
T2-030081	Encoding Example for MMS Connectivity Information in the (U)SIM	Siemens	SWG3
T2-030082	LS on encoding example for MMS Connectivity information	Siemens	SWG3
T2-030083	CR on clarification for the encoding of MMS related information	Siemens	SWG3
T2-030084	LS to GSMA SERG cc GSMA CPWP, GSMA IREG, 3GPP SA1 on MM4 interface and DMZ architecture	Nokia	SWG3
T2-030085	LS to SA1 cc T3, SA4 Codings for storing melodies in the USIM (Release 6)	ALCATEL	SWG3
T2-030086	CR 23.041 Rel 4 CB data	IAN HARRIS	SWG3
T2-030087	CR 23.041 Rel 5 CB data	IAN HARRIS	SWG3
T2-030088	CR 23.041 Rel 6 CB data	IAN HARRIS	SWG3
T2-030089	LS to T3, RAN2 on Cell Broadcast Download data parameters	IAN HARRIS	SWG3
T2-030090	CR 23.140 Rel-4: Typo in the wording of the MM4_Read_reply_report	Ericsson	SWG3
T2-030091	CR 23.140 Rel-5: Typo in the wording of the MM4_Read_reply_report	Ericsson	SWG3
T2-030092	CR 23.140 Rel-6: Typo in the wording of the MM4_Read_reply_report	Ericsson	SWG3
T2-030093	CR 23.140 Rel-4 MMS UA behaviour regarding the MMS parameters on the (U)SIM	Vodafone	SWG3
T2-030094	CR 23.140 Rel-5 addition of missing fields in table K6	Ericsson	SWG3
T2-030095	not used		SWG3
T2-030096	not used		SWG3
T2-030097	not used		SWG3
T2-030098	not used		SWG3
T2-030099	not used		SWG3
T2-030100	CR 27.007 Rel-4: Clarification in the behaviour of AT+CGCLASS	Siemens	SWG2
T2-030101	CR 27.007 Rel-5: Clarification in the behaviour of AT+CGCLASS	Siemens	SWG2
T2-030102	CR 27.007 Rel-6: Clarification in the behaviour of AT+CGCLASS	Siemens	SWG2
T2-030103	CR for 27.007 R99 Correction of AT+WS46 parameter values	NTT DoCoMo	SWG2
T2-030104	CR for 27.007 R4 Correction of AT+WS46 parameter values	NTT DoCoMo	SWG2
T2-030105	CR for 27.007 R5 Correction of AT+WS46 parameter values	NTT DoCoMo	SWG2
T2-030106	CR for 27.007 R6 Correction of AT+WS46 parameter values	NTT DoCoMo	SWG2
T2-030107	structure of 23.241	SWG2_03	SWG2
T2-030108	introduction and scope of 23.241	SWG2_03	SWG2
T2-030109	Section 4 of 23.241	Ericsson, Nokia, NTT-DoCoMo	SWG2
T2-030110	Revised Report of SWG2_03	Chair	SWG2
T2-030111	List of Evaluation Criteria	NTT-DoCoMo	SWG2
T2-030112	TS23.241 6.2 Profile Component Description	Nokia,Ericsson	SWG2
T2-030113	TS23.241 7.2 Examples of Datatype Definitions	Nokia,Ericsson	SWG2
T2-030114	TS23.241 7.3 XML Schema Usage for Datatype Definitions	Nokia,Ericsson	SWG2
T2-030115	TS23.241 Profile Component Master Schema	Nokia,Ericsson	SWG2
T2-030116	TS 23.241 6.1 Introduction	Ericsson, Nokia	SWG2
T2-030117	Not used		SWG2
T2-030118	Revised CR for AT Command +CGCLASS R99	Ericsson, Siemens, Matsushita	SWG2

T2-030119	Terminology for Terminal Architecture	Siemens, Peter	SWG2
T2-030120	CR 23.140 Rel-6 addition of missing fields in table K6	Ericsson	SWG3
T2-030121	CR 23.140 Rel-5: Conditional Usage of the Message-ID in MM1_Retrieve.RES	Siemens	SWG3
T2-030122	CR 23.140 Rel-6: Conditional Usage of the Message-ID in MM1_Retrieve.RES	Siemens	SWG3
T2-030123	CR 23.140 Rel-4: Conditional Usage of the Message-ID in MM1_Retrieve.RES	Siemens	SWG3
T2-030124	CR 23.140 additional Viewrequst parameters	Openwave	SWG3
T2-030125	CR 23.140 additional Viewrequst parameters	Openwave	SWG3
T2-030126	LS to OMA MAG MMDC on MMS MMBOX	Openwave	SWG3
T2-030127	LS to OMA MAG MMDC on MMS issues	Openwave	SWG3
T2-030128	LS to 3GPP2 TSG-N cc 3GPP SA1, 3GPP TSG-T, 3GPP2 TSG-S on MMS Standards Status	Openwave	SWG3
T2-030129	CR 23.140 Rel-4: MM4_Read_reply_report processing refers to an incorrect message	Ericsson	SWG3
T2-030130	CR 23.140 MM4_Read_reply_report processing refers to an incorrect message	Ericsson	SWG3
T2-030131	CR 23.140 MM4_Read_reply_report processing refers to an incorrect message	Ericsson	SWG3
T2-030132	CR 23.140 Rel-5 addition of missing fields in table K6	Ericsson	SWG3
T2-030133	CR 23.140 Rel-6 addition of missing fields in table K6	Ericsson	SWG3
T2-030134	CR 23.140 Rel-6: Providing MM7 message related fields on MM4	Ericsson	SWG3
T2-030135	CR 23.140 Rel-6 Extension of Delivery Report over MM4	China Mobile	SWG3
T2-030136	LS to T3 on Encoding example of MMS connectivity parameters on (U)SIM	Ericsson	SWG3
T2-030137	LS to SA2 cc SA1, CN1 on IMS Messaging	Nokia	SWG3
T2-030138	CR 23.140 Rel-6 Extension of Delivery Report over MM4 with Nokia's comments	Nokia	SWG3
T2-030139	not used		SWG3
T2-030140	Revised CR to 07.07 R98 Correction ATV0 command	Ericsson	SWG2
T2-030141	Revised CR to 27.007 R99 Correction ATV0 command	Ericsson	SWG2
T2-030142	Revised CR to 27.007 R4 Correction ATV0 command	Ericsson	SWG2
T2-030143	Revised CR to 27.007 R5 Correction ATV0 command	Ericsson	SWG2
T2-030144	Revised CR to 27.007 R6 Correction ATV0 command	Ericsson	SWG2
T2-030145	Presentation on CR for +WS46	Ntt-D	SWG2
T2-030146	LS to SA1 cc T3, SA3 on Having a Single (U)SIM to Authenticate Multiple Devices Simultaneously Using Local Wireless Link	Matsuhita, Nokia	SWG2
T2-030147	CR to 27.007, R99: AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class	Motorola	SWG2
T2-030148	CR to 27.007, R4: AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class	Motorola	SWG2
T2-030149	CR to 27.007, R5: AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class	Motorola	SWG2
T2-030150	CR to 27.007, R6: AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class	Motorola	SWG2
T2-030151	Revised - List of Evaluation Criteria	NTT-DoCoMo	SWG2
T2-030152	CR for 27.007 R99 Correction of AT+WS46 parameter values	NTT DoCoMo	SWG2
T2-030153	CR for 27.007 R4 Correction of AT+WS46 parameter values	NTT DoCoMo	SWG2
T2-030154	CR for 27.007 R5 Correction of AT+WS46 parameter values	NTT DoCoMo	SWG2
T2-030155	CR for 27.007 R6 Correction of AT+WS46 parameter values	NTT DoCoMo	SWG2
T2-030156	LS to SA2 cc T on T2 GUP Coordination Progress Report	SWG2 Chair	SWG2
T2-030157	CR to 27.007, R99: AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class	Motorola	SWG2
T2-030158	CR to 27.007, R4: AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class	Motorola	SWG2
T2-030159	CR to 27.007, R5: AT +CGEQREQ - Required Parameters for	Motorola	SWG2

	Streaming / Conversational Traffic Class		
T2-030160	not used		SWG3
T2-030161	not used		SWG3
T2-030162	not used		SWG3
T2-030163	not used		SWG3
T2-030164	not used		SWG3
T2-030165	not used		SWG3
T2-030166	not used		SWG3
T2-030167	not used		SWG3
T2-030168	not used		SWG3
T2-030169	not used		SWG3
T2-030170	not used		SWG3
T2-030171	not used		SWG3
T2-030172	not used		SWG3
T2-030173	not used		SWG3
T2-030174	not used		SWG3
T2-030175	not used		SWG3
T2-030176	not used		SWG3
T2-030177	not used		SWG3
T2-030178	not used		SWG3
T2-030179	not used		SWG3
T2-030180	CR to 27.007, R6: AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class	Motorola	SWG2
T2-030181	TS23.241 v0.3.4 with change bars	Rapporteur	SWG2
T2-030182	TS23.241 v0.3.4 clean	Rapporteur	SWG2
T2-030183	revised SWG2 report at T2#20	SWG2 chairman	SWG2
T2-030184	Report of Joint S1-T2 SWG3 meeting on MMS Rel 6 issues	SA1 chairman	SWG3
T2-030185	support of MMS Rel-6 WID items	T2 chairman	SWG3
T2-030186	CR 23.140 Rel-6 Transferring distribution indicator as part of message retrieva	Nokia	CP
T2-030187	revised SWG3 report at T2#20	Vodafone Omnitel	CP
T2-030188	CR 23.140 Rel-4: Conditional Usage of the Message-ID in MM1_Retrieve.RES	Siemens	for e-appr.
T2-030189	withdrawn - CR 23.140 Rel-6: Distribution Indicator	Comverse	for e-appr.
T2-030190	LS to SA1 cc T3, SA3 on Having a Single (U)SIM to Authenticate Multiple Devices Simultaneously Using Local Wireless Link	T2	CP
T2-030191	CR 23.140 Rel-5: MM7 Version definition	Comverse	for e-appr.
T2-030192	CR 23.140 Rel-6: MM7 Version definition	Comverse	for e-appr.
T2-030193	CR 23.140 Rel-5: MM7 Version definition	Comverse/Nokia	for e-appr.
T2-030194	CR 23.140 Rel-6: MM7 Version definition	Comverse/Nokia	for e-appr.

Annex B Outgoing Documents

B.1 Change Requests submitted to TSG-T#19

The following CRs will be submitted to TSG-T#19 for approval:

"Terminal Interfaces and Capabilities" Change Requests

Spec	CR	Rev	Rel	Subject	Cat	Version-Current	Version-New	T2 tdoc	Workitem
07.07	A91	-	R98	Correction ATV0 result codes	F	7.7.0	7.8.0	T2-030140	TEI
27.007	094	-	R99	Clarification in the behaviour of AT+CGCLASS	F	3.12.0	3.13.0	T2-030118	TEI
27.007	095	-	Rel-4	Clarification in the behaviour of AT+CGCLASS	A	4.5.0	4.6.0	T2-030100	TI-ATC
27.007	096	-	Rel-5	Clarification in the behaviour of AT+CGCLASS	A	5.2.0	5.3.0	T2-030101	TEI5
27.007	097	-	Rel-6	Clarification in the behaviour of AT+CGCLASS	A	6.1.0	6.2.0	T2-030102	TEI6
27.007	098	-	R99	Correction ATV0 result codes	A	3.12.0	3.13.0	T2-030141	TEI
27.007	099	-	Rel-4	Correction ATV0 result codes	A	4.5.0	4.6.0	T2-030142	TI-ATC
27.007	100	-	Rel-5	Correction ATV0 result codes	A	5.2.0	5.3.0	T2-030143	TEI5
27.007	101	-	Rel-6	Correction ATV0 result codes	A	6.1.0	6.2.0	T2-030144	TEI6
27.007	102	-	R99	Correction of AT+WS46 parameter values.	F	3.12.0	3.13.0	T2-030152	TEI
27.007	103	-	Rel-4	Correction of AT+WS46 parameter values.	A	4.5.0	4.6.0	T2-030153	TI-ATC
27.007	104	-	Rel-5	Correction of AT+WS46 parameter values.	A	5.2.0	5.3.0	T2-030154	TEI5
27.007	105	-	Rel-6	Correction of AT+WS46 parameter values.	A	6.1.0	6.2.0	T2-030155	TEI6
27.007	106		R99	AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class	F	3.12.0	3.13.0	T2-030157	TEI
27.007	107		Rel-4	AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class	A	4.5.0	4.6.0	T2-030158	TI-ATC
27.007	108		Rel-5	AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class	A	5.2.0	5.3.0	T2-030159	TEI5
27.007	109		Rel-6	AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class	A	6.1.0	6.2.0	T2-030180	TEI6

"CBS" Change Requests

Spec	CR	Rev	Rel	Subject	Cat	Version-Current	Version-New	T2 tdoc	Workitem
23.041	012	-	Rel-4	CB Data length	F	4.3.0	4.4.0	T2-030086	TEI4
23.041	013	-	Rel-5	CB Data length	A	5.0.0	5.1.0	T2-030087	TEI5
23.041	014	-	Rel-6	CB Data length	A	6.0.0	6.1.0	T2-030088	TEI6

"MMS" Change Requests

Spec	CR	Rev	Rel	Subject	Cat	Version-Current	Version-New	T2 tdoc	Workitem
23.140	100	-	Rel-5	Transferring distribution indicator as part of message retrieval	F	5.5.0	5.6.0	T2-030052	MESS5-MMS
23.140	101	-	Rel-6	Transferring distribution indicator as part of message retrieval	A	6.0.0	6.1.0	T2-030186	MMS6
23.140	102	1	Rel-4	Conditional Usage of the Message-ID in MM1_Retrieve.RES **(e-agreed)**	F	4.8.0	4.9.0	T2-030123	MMS
23.140	103	-	Rel-5	Conditional Usage of the Message-ID in MM1_Retrieve.RES	F	5.5.0	5.6.0	T2-030121	MESS5-MMS
23.140	104	-	Rel-6	Conditional Usage of the Message-ID in MM1_Retrieve.RES	A	6.0.0	6.1.0	T2-030122	MMS6

23.140	105		Rel-6	Recipient Handling on MM4	C	6.0.0	6.1.0	T2-030068	MMS6
23.140	106		Rel-5	Support of the “Bcc:” information element in the MM4 reference point.	F	5.5.0	5.6.0	T2-030077	MESS5-MMS
23.140	107	-	Rel-4	MMS UA behaviour regarding the MMS parameters on the (U)SIM	F	4.8.0	4.9.0	T2-030093	MMS
23.140	108	-	Rel-5	MM1 MMBox View Clarifications	F	5.5.0	5.6.0	T2-030124	MESS5-MMS
23.140	109	-	Rel-6	MM1 MMBox View Clarifications	A	6.0.0	6.1.0	T2-030125	MMS6
23.140	110	-	Rel-4	MM4_Read_reply_report processing refers to an incorrect message	F	4.8.0	4.9.0	T2-030129	MMS
23.140	111	-	Rel-5	MM4_Read_reply_report processing refers to an incorrect message	A	5.5.0	5.6.0	T2-030130	MESS5-MMS
23.140	112	-	Rel-6	MM4_Read_reply_report processing refers to an incorrect message	A	6.0.0	6.1.0	T2-030131	MMS6
23.140	113	-	Rel-5	Addition of missing field in table K6	F	5.5.0	5.6.0	T2-030132	MESS5-MMS
23.140	114	-	Rel-6	Addition of missing field in table K6	A	6.0.0	6.1.0	T2-030133	MMS6
23.140	115	-	Rel-5	Correcting definition of MM7 Version **(e-agreed)**	F	5.5.0	5.6.0	T2-030193	MESS5-MMS
23.140	116	-	Rel-6	Correcting definition of MM7 Version **(e-agreed)**	A	6.0.0	6.1.0	T2-030194	MMS6

B.2 Liaison Statements

The following LSs were sent from T2#20:

TDOC	Subject	Comments
T2-030084	LS to GSMA SERG cc GSMA CPWP, GSMA IREG, 3GPP SA1 on MM4 interface and DMZ architecture	sent 27/01/03
T2-030085	LS to SA1 cc T3, SA4 Codings for storing melodies in the USIM (Release 6)	sent 22/01/03
T2-030089	LS to T3, RAN2 on Cell Broadcast Download data parameters	sent 27/01/03
T2-030126	LS to OMA MAG MMDC on MMS MMBOX	sent 27/01/03
T2-030127	LS to OMA MAG MMDC on MMS issues	sent 27/01/03
T2-030128	LS to 3GPP2 TSG-N cc 3GPP SA1, 3GPP TSG-T, 3GPP2 TSG-S on MMS Standards Status	sent 27/01/03
T2-030136	LS to T3 on Encoding example of MMS connectivity parameters on (U)SIM	sent 27/01/03
T2-030137	LS to SA2 cc SA1, CN1 on IMS Messaging	sent 27/01/03
T2-030190	LS to SA1 cc T3, SA3 on Having a Single (U)SIM to Authenticate Multiple Devices Simultaneously Using Local Wireless Link	sent 27/01/03
T2-030156	LS to SA2 cc T on T2 GUP Coordination Progress Report	sent 27/01/03

B.3 Reports/Specifications submitted to TSG-T#19

None.

B.4 Work Items submitted to TSG-T#19

None.

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Total number of delegates: 52

Annex D: Report from SWG2 UE Interfaces and Capabilties

T2-030183

Agenda Item: T2 Closing Plenary

Source: SWG2 Chairman

Title: Report of SWG2#20 San Francisco Meeting

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, SHARP, on 14:20 pm, 20th January 2003, and the delegates were welcomed to this meeting.

Nicola McGregor (NTT DoCoMo) volunteered to share the secretary duties for the meeting.

The proposed Agenda of the meeting in Draft3 of T2-030030 was approved.

One meeting related to GUP work was held on January 16th, PM to January 18th PM, San Francisco, co-located with T2. The Report is T2-030037.

Future Meetings:

The following Future Meetings were approved by SWG2 –

Meeting	Date	Venue	Comment

SWG2 #21	May 12-15, 2003	San Diego, USA	T2 plenary
SWG2_04 GUP	April 7-10, 2003	Berlin, DE	TBC – SA5
JM with SA5 on GUP, SuM, UEM	During April 7-10	Berlin, DE	TBC – SA5

It was agreed that it was too early to progress the work on GUP and therefore the Phoenix meetings Feb 25-27 were cancelled.

Review of Progress on Action Items

Work Item 1828: AT Commands –

17 CR proposals on the AT-Commands (27.007) were approved for presentation to T2 for Approval. (4 basic CRs for the various Releases)

Work Item xxxx: Generic User Profiles –

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

The proposed structure of 23.241 developed in SWG2_03, and other output docs form SWG2_03, were approved by SWG2#20

Contributions on the content of 23.241 were approved, and two versions of 23.241 incorporating the changes were approved.

1 outgoing LS T2-030156 was approved and is presented to T2 for Approval.

Contributions regarding Use cases and Information Model were also presented.

Work Item xxxx: User Equipment Management –

After further discussion and request for support, it was concluded that there is still insufficient support 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 SWG2 is unable to propose any change to the status Reported in T2#19.

Other Items Executive Summary from SWG2 meeting :

Incoming LS T2-030017 from SA1 on the subject of USIM use on multiple networks was reviewed, with T2-030034. After discussion an LS as a response, T2-020146 was drafted. All companies except 1 were in favor. The LS was approved by consensus with 1 objection firm Toshiba Corp., and is presented for T2 approval.

Output Change Requests:

TDoc	Title	Source	Comment

TDoc	Title	Source	Comment
T2-030118	Clarification in the behaviour of AT+CGCLASS	Siemens AG	APPROVED for output to T2
T2-030100	Clarification in the behaviour of AT+CGCLASS	Siemens AG	APPROVED for output to T2
T2-030101	Clarification in the behaviour of AT+CGCLASS	Siemens AG	APPROVED for output to T2
T2-030102	Clarification in the behaviour of AT+CGCLASS	Siemens AG	APPROVED for output to T2
T2-030140	Correction ATV0 result codes	Ericsson	APPROVED for output to T2
T2-030141	Correction ATV0 result codes	Ericsson	APPROVED for output to T2
T2-030142	Correction ATV0 result codes	Ericsson	APPROVED for output to T2
T2-030143	Correction ATV0 result codes	Ericsson	APPROVED for output to T2
T2-030144	Correction ATV0 result codes	Ericsson	APPROVED for output to T2
T2-030152	Revised CR for 27.007 R99 Correction of AT+WS46 parameter values	NTT DoCoMo	(provisionally) APPROVED for output to T2 Nokia to confirm at T2
T2-030153	Revised CR for 27.007 R4 Correction of AT+WS46 parameter values	NTT DoCoMo	(provisionally) APPROVED for output to T2 Nokia to confirm at T2
T2-030154	Revised CR for 27.007 R5 Correction of AT+WS46 parameter values	NTT DoCoMo	(provisionally) APPROVED for output to T2 Nokia to confirm at T2
T2-030155	Revised CR for 27.007 R6 Correction of AT+WS46 parameter values	NTT DoCoMo	(provisionally) APPROVED for output to T2 Nokia to confirm at T2
T2-030157	Revised AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class	Motorola	APRROVED for output to T2
T2-030158	Revised AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class	Motorola	APRROVED for output to T2
T2-030159	Revised AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class	Motorola	APRROVED for output to T2
T2-030180	Revised AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class	Motorola	APRROVED for output to T2

Output Liaison Statements:

TDoc	Title	Source	Comment
T2-030156	LS GUP Coordination Progress Report to SA2	SWG2	APPROVED as output to T2
T2-030146	Response to LS S1-022388. "Having a Single (U)SIM to Authenticate Multiple Devices Simultaneously Using Local Wireless Link".	SWG2	APPROVED for output to T2 One objection

Other documents for T2 Approval

TDoc No.	Title	Source	Status
T2-030031	Report SWG2 San Francisco Meeting	SWG2	

ES Detailed Report

1. Opening of the meeting

The Chair of SWG2, Mr. Prem Sood, Sharp, opened the meeting at 14:00 pm on Monday, January 20th, 2003.

The Chair welcomed everyone to San Francisco, California, USA and thanked AT&T Wireless and Rogers Cantel for hosting the meeting.

Nicola McGregor of NTT DoCoMo and Kevin Holoubek of Motorola volunteered to act as the meeting secretaries (split work)

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

The Meeting closed at 16:58 pm on Thursday Jan 23.

1.1. Approval of the proposed Agenda

Document – T2-030030

TDoc No.	Title	Source	Status
T2-0300030	Draft 3 SWG2 meeting agenda	SWG2 Chair	**APPROVED**

Presented by –

Chairman.

Resolution –

Comment received from Toshiba that their item should be under “Other” rather than “UE Functionality Split” as it deals with multi-network access.

The agenda was approved.

1.2. Co-Located Joint and Dedicated Meetings Schedule

No joint and/or dedicated meetings scheduled this week. SWG2_03 was held last week.

1.3. Future Joint and Dedicated Meetings Schedule

Meeting	Date	Venue	Comment
SWG2 #21	May 12-15, 2003	San Diego, USA	T2 plenary
SWG2_04 GUP	Feb 25-27, 2003	Phoenix, Ariz.	CANCELLED
JM with SA5 on GUP, SuM, UEM	Feb 25th	Phoenix, Ariz.	CANCELLED
SWG2_04GUP	April 7-10, 2003	Berlin, DE	TBC – SA5
JM with SA5 on GUP, SuM, UEM	During April 7-10	Berlin, DE	TBC – SA5

1.4. Review of previous Action Points

Tdoc Draft2 T2-030031

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
18.2 A rapporteur is required for the TR on UEM GAP analysis	All	Due T2#19	Pending
18.5 Venson Shaw to check the AP 16.4	V. Shaw	ASAP	Pending
2A-08 Proposals on what T2 should do, T2C-020062 Data Description Life Cycle and 23.241 structure	All Members	SWG2#19	CLOSED Work completed in SWG2#19.
2A-09 Review and comment on the missing logical structure and flow of 23.241, T2-020691	All Members	SWG2#19	CLOSED Included with revision

			of specifications.
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	CLOSED Definitions are missing. Need to define during 23.241 work
19.1 Members asked to review GUP use cases, as presented in T2-020908 & '909.	All SWG2	Opened	Pending. Review AWS views.
19.2 Kay Kittel to take T2-02911 Reference Architecture for terminal, and develop further into typical use cases for input to SA2.	K. Kittel	Opened	CLOSED, T2-030035
19.3 Look at T2-020915 GPRS/CS attributes, review for completeness and bring input to the next T2 meeting. How to capture and store the information, as well as keep up to date. How will this be used to validate the GUP design. Define the process in details	All SWG2	Opened	Pending to #21. All SWG2 requested. B Marchent will examine
19.4 Telia to continue maintaining document on Use cases for GUP T2-020908, 909	Telia, H. Thuvesson	Opened	Pending – review updates on Reflector before #21.
19.5 Telia to also submit Uses Cases to SA1 and SA5 909, 909	Telia, H. Thuvesson	Opened	CLOSED
19.6 Progress the work in T2-020979 on Criteria for comparison	N. McGregor	Opened	Done. E-mails were sent. Output to be reviewed in SWG2_03
19.7 Improvements to the Consensus Proposal for GUP	All SWG2	Opened	Closed. Work in SWG2_03

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

1.5. Appointment of Rapporteurs

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

An action point was assigned for all members to review dirung the week whether there is still a need for 27.241 Access Common Objects. The group decided that 27.241 was not needed and the Chairman was to inform the MCC.

Olga Tome (Ericsson) announced that she can no longer continue as rapporteur 23.227 but Ericsson has found a new rapporteur (Soren Christensen) for 27.007 and 07.07.

2 Items for immediate discussion.

Tdocs

2.1 SWG2_03 Output docs 43, 107, 108

2.1 SWG2_03 Output docs

Document – T2-030043

TDoc No.	Title	Source	Status
T2-030043	SWG2_3 San Fran Report		NOTED Revised in T2-030110

Presented by –

Prem Sood

Discussion –

Report of the dedicated meeting on DDM and DtDM work.

Editorial errors were identified.

Resolution –

The document was revised and updated after minor editorial corrections. It was approved as T2-03110.

Document – T2-030110

TDoc No.	Title	Source	Status
T2-030110	Revised SWG2_3 San Fran Report		APPROVED

Presented by –

Prem Sood

Discussion –

Updated T2-030043

Resolution –

The document was approved.

Document – T2-030107

TDoc No.	Title	Source	Status
T2-030107	23.241 Table of Contents	SWG2_3	APPROVED

Presented by –

Bo Johansson, Ericsson

Discussion –

Document proposes a new structure for 23.241, based on the consensus agreement for a DDM solution (agreed at T2#19).

Annex A was changed from “normative” to “informative” (normative was a mistake).

The change bars were to reflect the discussions held at SWG2_03 and not changes done during T2SWG2#20.

7.3 Nokia stated that the rules for restricted datatypes should only be obligatory when there exists other concrete mechanisms apart from the XML schema. When no other concrete mechanisms expect for XML Schema is to be used, then these will be only guidelines.

Resolution –

The document was approved. To be added to 23.241.

Document – T2-030108

TDoc No.	Title	Source	Status
T2-030108	IntroductionScopeDefinition for 23.241	Ericsson	APPROVED

Presented by –

Ericsson

Discussion –

The proposed title for Section 4 replaces the title proposed in T2-030107.

Resolution –

The document was approved. To be added to 23.241.

Document – T2-030109

TDoc No.	Title	Source	Status
T2-030109	Section 4 of 23.241	Ericsson, Nokia, NTT DoCoMo	APPROVED

Presented by –

Nicola McGregor

Discussion –

Proposed text for Section 4 of 23.241.

Resolution –

The document was approved. To be added to 23.241.

2.2 T2 Participation in UEM work with SA5

32, 33

Document – T2-030032

TDoc No.	Title	Source	Status
T2-030032	Improved HLR/HSS System and Method to Leverage User Service Data Profile	AWS	NOTED

Presented by –

AWS (DeWayne Sennett)

Discussion –

AWS see that the work can be divided into the application portion (download of applications, managing the applications) and this is the OMA arena. Other aspects of the devices are relevant to the network – e.g. parameters necessary to connect to the network, authentication to connect t he device to the network. Management of these parameters belongs to 3GPP. How do we manage these parameters falls in SA2.

They want the architecture of UEM to be extensible even if the initial UEM work is to concentrate on configuration at the initial start.

For economies for scale, there must be some generality. Architecture etc)

Work already being done at CN1?

- CN1 already assumed that the sub client is in the terminal and that it is configured. They are not looking at configuration of the sub client.

Ericsson stated that this reinforces the need for GUP, as it outlines the key issue in GUP. The key thing is coordination in UEM and SuM.

There is a need to look at the services together as separate and independent implementation will kill the network.

The group felt that the presentations were more relevant to SA2. The meeting suggested that AWS take the presentations to SA2, SA1 and SA5. There was also a suggestion that the presentation could be taken to SA, given that the topic affects a number of SA SWGs. This way the work could be coordinated at the SA level.

The Chairman suggested that delegates may wish to look at 33 in their own time for more detail.

Resolution –

The document was noted.

3.1 UE Management

The Chairman explained that the lack of support for T2 UEM WID was reported to TSG-T#18. No support was found. The same issue was raised at TSG-SA but again, no further support was found.

The Chairman repeated his call for supporting companies. Supporting companies identified were:

AT&T Wireless Systems (commit to submitting inputs but not providing a rapporteur)

Motorola (willing to commit to liaising with SA5, but unable to provide a rapporteur)

The decision was delayed until Wednesday lunchtime to wait for companies that have requested more time.

Ericsson proposed that the meetings go ahead depending on the answer from AWS. Nokia supported this.

3.2 SWG2 Ongoing Work on GUP, DDM, CO

Tdocs 43, 37, 32, 33, 35,

Document – T2-030037

TDoc No.	Title	Source	Status
T2-030037	Report of SWG2_03 Meeting	SWG2_03 Chair	Approved

Presented by –

Prem Sood

Discussion –

The report was approved.

Resolution –

The document was approved

Document – T2-030049

TDoc No.	Title	Source	Status
T2-030049	TS 23.241 v0.3.3	Rapporteur	APPROVED Updated in T2-030181

Presented by –

Kevin Holoubek

Discussion –

Draft of 23.241 incorporating the changes agreed at the beginning of the meeting (changes from SWG2_3).

Resolution –

The document was approved. Updated and revised in T2-030181.

Document – T2-030181

TDoc No.	Title	Source	Status
T2-030181	TS 23.241 v.0.3.4 with change bars	Rapporteur	APPROVED

Presented by –

Kevin Holoubek

Discussion –

This is the latest draft of 23.241, incorporating agreed changes made during the meeting. Version with change bars.

Resolution –

The document was approved.

Document – T2-030182

TDoc No.	Title	Source	Status
T2-030182	TS 23.241 v.0.3.4 clean version	Rapporteur	APPROVED

Presented by –

Kevin Holoubek

Discussion –

This is the latest draft of 23.241, incorporating agreed changes made during the meeting. Clean version

Resolution –

The document was approved.

Document – T2-030115

TDoc No.	Title	Source	Status
T2-030115	Profile Component Master Schema	Ericsson, Nokia	APPROVED for inclusion in 23.241.

Presented by –

Jukka Aakula, Nokia

Discussion –

As a general rule, specific examples are to be included in the Annex but it was agreed that this section should be in the main body of the text. The Master Schema is a core issue in the DDM.

Resolution –

The document was approved for inclusion in 23.241.

Document – T2-030112

TDoc No.	Title	Source	Status
T2-030112	TS23.241 6.2 Profile Component Description	Ericsson, Nokia	APPROVED for inclusion in 23.241.

Presented by –

Bo Johansson, Ericsson

Discussion –

Resolution –

The document was approved for inclusion in 23.241.

Document – T2-030113

TDoc No.	Title	Source	Status
T2-030113	7.2 Examples of Datatype definitions	Ericsson, Nokia	APPROVED for inclusion in 23.241.

Presented by –

Bo Johansson, Ericsson

Discussion –

The group agreed that the example was easy to follow for a non-XML expert. Text would need to be added later on in a separate input.

Resolution –

The document was approved for inclusion in 23.241.

Document – T2-030114

TDoc No.	Title	Source	Status
T2-030114	7.3XML Schema Usage for Datatype Definitions	Ericsson, Nokia	APPROVED for inclusion in 23.24

Presented by –

Bo Johansson, Ericsson

Discussion –

An editor's note was to be added to state that the sentence "Thus it is kind of a combination between a Record datatype and a Union " in 7.3.3.4 was to be removed.

The editor's notes that are currently in the 23.241 should remain when this section is added.

Resolution –

The document was approved for inclusion in 23.241.

Document – T2-030111

TDoc No.	Title	Source	Status
T2-030111	List of Evaluation Criteria	NTT DoCoMo	NOTED Revised in T2-030151

Presented by –

Nicola McGregor, NTT DoCoMo

Discussion –

Comment that DDM should support data synchronization. This was to be clarified.

It was suggested that the Criteria List be developed as design criteria for the DDM and to attach it to the consensus solution document (T2-020985) agreed at T2#19.

Resolution –

The document was noted and revised as T2-030151

Document – T2-030151

TDoc No.	Title	Source	Status
T2-030151	Revised List of Evaluation Criteria	NTT DoCoMo	APPROVED

Presented by –

Nicola McGregor

Discussion –

The document included changes to T2-030111 suggested by Telia.

Resolution –

The document was approved.

Document – T2-030035

TDoc No.	Title	Source	Status
T2-030035	UE Use Cases for the GUP Architecture	Siemens	NOTED

Presented by –

Peter Neumann

Discussion –

Ericsson felt that SA2 should be made aware of this document. Proposed to attach it to the progress report that will be sent to SA2 (T2-0300xx). The proposal was agreed.

Comment that after analyzing the use cases, the result could be included in (Terminal Local Model)23.227.

Chairman asked for proposals for how to continue the work. Siemens proposed that companies take the proposals home and send comments to the reflector. Siemens will then update the comments ready for the May meeting.

This is added as an ACTION ITEM.

Resolution –

The document was noted.

Document – T2-030156

TDoc No.	Title	Source	Status
T2-030156	**LS GUP Coordination Progress Report to SA2**	SWG2	APPROVED as output to T2

Presented by –

Prem Sood

Discussion –

This report to SA2 outlines the progress made on the GUP work in T2.

The report contains two attachments: T2-030035 UE Use Cases for the GUP Architecture and T2-020982 LS to SA2.

Resolution –

The document was approved for output to T2.

Document – T2-030116

TDoc No.	Title	Source	Status
T2-030116	TS 23.241 6.1 Introduction	Ericsson, Nokia	NOTED

Presented by –

Bo Johansson, Ericsson

Discussion –

This document was for discussion.

Diagram for addition to the introduction to 23.241.

The document will be resubmitted at a later meeting.

Resolution –

The document was noted.

3.3 AT Commands

TDocs 36, 37, 100, 101, 102, 103, 104, 105, 106, 38, 39, 40, 41, 42, 44, 45, 46, 47, 48, 147, 148, 149, 150, 140, 141, 142, 143, 144, 118, 119, 120, 121

Document – T2-030036

TDoc No.	Title	Source	Status
T2-030036	Behaviour of AT+CGCLASS for multi access mode mobile terminals	Matsushita	NOTED

Presented by –

Brian Marchent

Discussion –

A paper to present the problems relating to definition of AT Commands for selecting access mode.

The chairman thanked Panasonic for this input, which is seen as a valuable input on the AT commands discussion.

T2 Vice Chairman pointed out that 27.005 specified an architecture for the terminal. T2 should make sure that the terminologies such as UE and MT are used consistently across WGs. GERAN uses MS for access but RAN uses UE for RAN access. Vice-Chairman wishes to make sure that this matter is clarified. Ericsson supports the comment that 27010 was incorrect (Rapporteur: Samsung). Action point was assigned to Peter Neumann, Siemens to record this matter in document T2-030119 and add it to this section of the T2SWG2 report. T2-030119 will not be an output of the meeting.

Ericsson asked what we intend to do with CGCLASS commands. Ericsson did not want to fix a command with any access technology. Will the command read the current technology or the technology available? What different ways can the MT work?

Is it to set or value? Or the current way of working?

General thanks and found this document very useful.

Resolution –

The document was noted.

Document – T2-030037

TDoc No.	Title	Source	Status
T2-030037	Clarification in the behaviour of AT+CGCLASS	Siemens	NOTED. Revised in T2-

			030118

Presented by –

Peter Neumann, Siemens

Discussion –

Release 99 CR. Matsushita supports the CR but if you have a TE thinks that MT can support Class A but at the moment this is only in Class B.

Ericsson states that CGREG provides information on changing classes. Therefore the T will know that the class ahs changed. However, this command points to CGCLASS. Ericsson pointed out that the "note" contradicted this.

Is the Class A being sent as an indication of the capability or the current mode of operation? Siemens wants to differentiate between the T mode and the cell mode. The command should return the mode that was set. The set value should be returned, not the mode of operation. The definitions in the Panasonic paper were proposed to replace the definitions presented here for the different modes, as they were agreed to be clearer.

This way there will be no mention of Iu mode etc. However, these are terms used throughout the spec and so may add to confusion.

Question about the use case for Class CC.

Siemens, Ericsson and Panasonic are to draft a new CR based on the consensus agreed here.

Resolution –

The document was noted. Revised in T2-030118.

Document – T2-030103

TDoc No.	Title	Source	Status
T2-030103	CR for 27.007 R99 (R4, R5, R6) Correction of AT+WS46 parameter values		Withdrawn.

Presented by –

Koji Hiratsuka

Discussion –

Ericsson stated that there had been a lot of discussion in GERAN and RAN

T took a decision at the September meeting (TSG-T) in 2002 to delete the command in order to better control the terminals. T then sent an analysis and sent a LS to PCCA directly. RAN will have a problem if the SET command results in the MT being forced from dual to single mode.

Ericsson stated that this CR would affect other specifications

TeliaSonera is objected as use of the SET command would result in the being forced from dual to single mode. Nokia also objected.

Resolution –

The document was withdrawn.

Document – T2-030038, T2-030039, T2-030040, T2-030041, T2-030042

TDoc No.	Title	Source	Status
T2-030038-42	Correction ATV0 result codes	Ericsson	NOTED. Revised in T2-030140-143 respectively

Presented by –

Olga Tome, Ericsson

Discussion –

Ericsson are proposed to correct the BUSY TONE, NO ANSWER, NO DIALTONE to the values in ITU-V25ter. There is no “5” value in V.25ter

The T2 Chairman stated that these values are wrong and need to be changed. We have technical obligation to change the values but a note MUST be added to warn people that the values have now been changed. There are no doubt implementations that are using the wrong values but the error needs to be corrected with a note added explaining the change.

NTT DoCoMo initially objected to this CR as they are implementing the specification. After being assured that a note will be added, they withdrew their objection.

Resolution –

The document was noted and will revised in T2-030140-143.

Document – T2-030044

TDoc No.	Title	Source	Status
T2-030044	Replace V.25ter reference with V.250	Ericsson	Not Approved

Presented by –

Olga Tome, Ericsson

Discussion –

The ITU-V.25ter has been changed to V.250. The group did not feel it was necessary to change all the references and Ericsson agreed without this decision.

Resolution –

The document was not approved.

Document – T2-030045, T2-030046, T2-030047, T2-030048

TDoc No.	Title	Source	Status
T2-030045-48	AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class	Motorola	Noted Revised in 147-15

Presented by –

Yilin Zhao, Motorola

Discussion –

Ericsson requested that “must” be changed to “may be” for the parameters for Guaranteed and Maximum bit rate.

You need to specify the values otherwise the system will use the default values.

Motorola would prefer the values to be mandatory for sending from the UE to the network. Ericsson did not dispute this but questioned whether it should be mandatory over AT interface.

NOTE: T2-030046-48 were not reviewed but were revised to T2-030148-150.

Resolution –

The documents were noted.

Document – T2-030147, T2-030148, T2-030149, T2-030150

TDoc No.	Title	Source	Status
T2-030147-150	Revised AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class	Motorola	NOTED Revised in T2-030157-159 and T 030180 respective

Presented by –

Yilin Zhao, Motorola

Discussion –

Revised T2-030045-48.

The “shall” is replaced with “should”. We have agreed that the statements are now changed to optional. Nokia agrees with these CRs now that the statements are optional.

All documents T2-030147 to T2-030150 were checked for consistency.

NEED TO BE REDONE AS THEY ARE REVISIONS ON REVISIONS. The revisions from T2-030045-48.

Resolution –

All documents were noted and updated in T2-030157-159 and T2-030180 respectively.

Document – T2-030157, T2-030158, T2-030159, T2-030180

TDoc No.	Title	Source	Status

T2-030157-159 + T2-030180	Revised AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class	Motorola	APRROVED for output to T2

Presented by –

Motorola

Discussion –

These were revisions of T2-030147-150 respectively.

The new revisions are revisions to the specification rather than the previously submitted CRs.

Resolution –

The documents were approved for output to T2.

Document – T2-030140, T2-030141, T2-030142, T2-030143, T2-030144

TDoc No.	Title	Source	Status
T2-030140-44	Correction ATV0 result codes	Ericsson	APPROVED for output to T2

Presented by –

Olga Tome, Ericsson

Discussion –

The values for the numeric results codes were

As there are already implementations using the previous versions of the specifications, a note was added to point out that the values 5, 6, 7 have been changed to 6, 7, 8 respectively.

Corrections were made for Releases 98,99, 4, 5, 6

Resolution –

The documents were approved for output to T2.

Document – T2-030118 + T2-030100-102

TDoc No.	Title	Source	Status
T2-030118 + 100-102	Clarification in the behaviour of AT+CGCLASS	Siemens AG	APPROVED for output to T2

Presented by –

Peter Neumann, Siemens

Discussion –

Revision of T2-030037.

Text has been added to explain what the values mean in terms of PS and/or CS support. GPRS is deleted from the title.

The group agreed that the addition of the text explanation made it easier to understand.

Resolution –

The documents were approved as output to T2.

Document – T2-030145

TDoc No.	Title	Source	Status
T2-0300145	Presentation on CR for +WS46	NTTDoCoMo	NOTED

Presented by –

Koji Hiratsuka

Discussion –

A presentation to explain the reason behind CRs T2-030152-T2-030155.

Resolution –

The document was noted.

Document – T2-030152, T2-030153, T2-030154, T2-030155

TDoc No.	Title	Source	Status
T2-030152-155	revised CR for 27.007 R99 Correction of AT+WS46 parameter values	NTT DoCoMo	(provisionally) APPROVED for output to T2 Nokia to confirm a T2

Presented by –

Koji Hiratsuka

Discussion –

The CRs were conditionally approved with the understanding that Nokia would confirm at T2 closing plenary.

An LS would need to be sent to PCCA after the CRs are approved at T.

Resolution –

The documents were provisionally approved for output to T2: Nokia would confirm at T2 closing plenary.

3.6 IMS

TDocs None

4.1 UE Functionality Split

TDocs 146

Document – T2-030146

TDoc No.	Title	Source	Status
T2-030146	Response to LS S1-022388. "Having a Single (U)SIM to Authenticate Multiple Devices Simultaneously Using Local Wireless Link".	SWG2	APPROVED One objection

Presented by –

Paul Voskar, Nokia

Discussion –

Response to LS T2-030017 (S1-022388).

Razig (Toshiba) disagreed with the content of the LS as he understood that USIM authentication via a local link is a viable option, due to what is stated in the technical report TR 23.934. However, the report that Toshiba quoted from was v0.3.0 therefore was not an approved document. Therefore this remark could not be considered relevant.

Paul (Nokia) emphasized that the statement in the LS was a fact, as this was the conclusion reached by S3 18 months ago. The members agreed with Nokia. The members proposed alternative wording that was acceptable to them, but that was rejected by Toshiba.

The Chairman made a call for objections and there was an objection from one company, Toshiba.

Chairman stated that consensus does not mean unanimity and he would inform T2 of the objection.

Resolution –

The LS was approved, with one objection.

4.2 Application and User Interaction

Document – T2-030119

TDoc No.	Title	Source	Status
T2-030119	Observation regarding the use of terms like MS and UE		NOTED with action

Presented by –

Peter Neumann

Discussion –

Peter proposed that members take the paper home and send feedback to the reflector in preparation for the next meeting.

Nokia and NTT DoCoMo thanked Siemens for the input and supported the proposal put forward by Peter.

It was recommended that the document be presented at TSG-T.

Companies are of course free to provide input to the GERAN meeting in 2 weeks, but this input would not be from T2 at this time.

Action Item: It was recommended that this input be presented at TSG-T

Action Item: Members are asked to review the input at their companies and to use the reflector to send feedback.

Resolution –

The document was noted with actions.

4.3 Other

Tdocs T2-030017, T2-030034

Document – T2-030017

TDoc No.	Title	Source	Status
T2-030017	Having a Single USIM to Authenticate Multiple Devices Simultaneously Using Local Wireless Link	SA1	NOTED

Presented by –

Toshiba

Discussion –

There was lively discussion.

There was a question on why SA1 is asking SA3 to determine "whether a feasibility study or any standardization activity is required"

USIM is part of the ME (physical entity) for security reasons. This LS however, treats them as separate entities.

Toshiba explained that the USIM is in the phone but will have local wireless link.

SA3 expressed major concerns about authentication outside the terminal.

Motorola pointed out that "accessing multiple networks simultaneously" is not an issue that T2 should decide. Toshiba pointed out that SA1 has been doing work on WLAN interworking. T3 are aware that there is a need to authenticate to a non-3GPP access point.

T2 SWG2 Chairman proposed that a draft LS be drafted to state that the WID be considered by SA3 first for security issues. Without a security study, it would not be feasible to carry out any work. The LS is to be c.c to T3. Nokia and Panasonic volunteered to write the LS.

Resolution –

The document was noted. The LS is in T2-030146.

Document – T2-030034

TDoc No.	Title	Source	Status
T2-030034	Having a Single (U)SIM to Authenticate Multiple Devices Simultaneously Using Local Wireless Link (Technical and business aspects)	Toshiba, Telcordia, Fujitsu, Thomson, Hewlett Packard Corporation, RIM, SmartTrust	NOTED

Presented by –

Raziq Yaqub, Toshiba

Discussion –

This document was provided for information only.

The discussion under T2-030017 applies here. Members have concerns regarding security aspects.

Members strongly recommend that S3 review the documents first.

Resolution –

The document was noted.

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

TDocs 10, 11

The SWG2 chairman was authorized to 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
T2-030118	Clarification in the behaviour of AT+CGCLASS	Siemens AG	APPROVED for output to T2
T2-030100	Clarification in the behaviour of AT+CGCLASS	Siemens AG	APPROVED for output to T2
T2-030101	Clarification in the behaviour of AT+CGCLASS	Siemens AG	APPROVED for output to T2
T2-030102	Clarification in the behaviour of AT+CGCLASS	Siemens AG	APPROVED for output to T2
T2-030140	Correction ATV0 result codes	Ericsson	APPROVED for output to T2
T2-030141	Correction ATV0 result codes	Ericsson	APPROVED for output to T2
T2-030142	Correction ATV0 result codes	Ericsson	APPROVED for output to T2
T2-030143	Correction ATV0 result codes	Ericsson	APPROVED for output to T2

T2-030144	Correction ATV0 result codes	Ericsson	APPROVED for output to T2
T2-030146	Response to LS S1-022388. "Having a Single (U)SIM to Authenticate Multiple Devices Simultaneously Using Local Wireless Link".	SWG2	APPROVED for output to T2 One objection
T2-030152	Revised CR for 27.007 R99 Correction of AT+WS46 parameter values	NTT DoCoMo	(provisionally) APPROVED for output to T2 Nokia to confirm at T2
T2-030153	Revised CR for 27.007 R4 Correction of AT+WS46 parameter values	NTT DoCoMo	(provisionally) APPROVED for output to T2 Nokia to confirm at T2
T2-030154	Revised CR for 27.007 R5 Correction of AT+WS46 parameter values	NTT DoCoMo	(provisionally) APPROVED for output to T2 Nokia to confirm at T2
T2-030155	Revised CR for 27.007 R6 Correction of AT+WS46 parameter values	NTT DoCoMo	(provisionally) APPROVED for output to T2 Nokia to confirm at T2
T2-030156	LS GUP Coordination Progress Report to SA2	SWG2	APPROVED as output to T2
T2-030157	Revised AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class	Motorola	APRROVED for output to T2
T2-030158	Revised AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class	Motorola	APRROVED for output to T2
T2-030159	Revised AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class	Motorola	APRROVED for output to T2
T2-030180	Revised AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class	Motorola	APRROVED for output to T2

6.2 Meeting Report of this SWG2 Meeting

T2-030031	Report of T2 SWG2 #20		

7. Deferred Items

None

8. Any Other Business

T2-030085

LS from SWG3 to SA1,, brought to SWG2 for T2 approval.

Question from Nokia over the last sentence. T2SWG2 does not endorse the storage of codings in the USIM, as this is a T3 decision. T2SWG2 asked SWG3 to reflect this in their meeting report. The T3 Chairman was present at the meeting and so this comment was conveyed directly. The T3 Chairman agreed to convey this to T3.

There was a comment from DoCoMo that bringing CRs for approval to SWGs for rushed approval should only be used where timing is critical. The T2 Chairman noted this comments.

The Chairman reported that he had spoken with the SA2 Chairman. The SA2 Chairman stated that SA2 was uncomfortable to pick up parts from the Information Model and that SA2 would not object to T2 continuing work in this area. This opinion is to be confirmed.

The T2SWG2 Chairman proposed that SWG2 send a LS to SA2 to explain the current situation of the GUP work.

9. Future Meetings, Time Requirements

See Executive summary.

The two meetings SWG2_04 and the SWG2/SA5 Joint meeting were agreed by SWG2. Action point for SWG2 Chairman to coordinate with SA5 for the meeting in Berlin the week of April 7-10.

10 Close of the Meeting

The Meeting was closed at 17:00pm on Thursday.

10.1. List of New Action Points added at this meeting

AP Description	Assigned to	Due	Comments
20.1 Organize and lead discussions on definitions	Randal Grund	Next meeting and reflector	
20.2 Review T2-030035 and send feedback and/or comments to Siemens	All SWG2	Next meeting	
20.3 : SWG2 members recommend that T2-030119 be presented at TSG-T	Siemens	March	
20.4 SWG2 Chairman to coordinate with SA5 for the meeting in Berlin the week of April 7-10	SWG2 Chairman	April	

Annex A List of all temporary documents

SWG2 FINAL Document List

T2#20 San Francisco Jan 20-24

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	Arr Be ded
T2-030010	3GPP work plan	MCC	SWG2 Chair to update status for TSG-T	
T2-030011	T2 work item overview	T2 secretary		
T2-030017	LS from SA1 on Having a Single USIM to Authenticate Multiple Devices Simultaneously Using Local Wireless Link --- for action	S1-022388	Noted	
T2-030030	SWG2 agenda at T2#20	SWG2 Chair	Draft 3 approved	
T2-030031	SWG2 report at T2#20	SWG2 Chair	Report Output to T2	
T2-030032	Proposed Method to Analyze Multiple Use Cases in Parallel to Optimize the Network Resources	ATTWS	Noted	X

T2-030033	Improved HLR/HSS System and Method to Leverage User Service Data Profile	ATTWS	Noted	X
T2-030034	Having a Single (U)SIM to Authenticate Multiple Devices Simultaneously Using Local Wireless Link (Technical and business aspects)	Toshiba	Noted	
T2-030035	UE use cases for the GUP architecture	Siemens	Noted	
T2-030036	Behaviour of AT+CGCLASS for multi access mode mobile terminals	Matsushita	Noted	X
T2-030037	CR 27.007 R99: Clarification in the behaviour of AT+CGCLASS	Siemens	Revised in 118	X
T2-030038	CR to 07.07 R98 Correction ATV0 command	Ericsson	Revised in 140	X
T2-030039	CR to 27.007 R99 Correction ATV0 command	Ericsson	Revised in 141	X
T2-030040	CR to 27.007 R4 Correction ATV0 command	Ericsson	Revised in 142	X
T2-030041	CR to 27.007 R5 Correction ATV0 command	Ericsson	Revised in 143	X
T2-030042	CR to 27.007 R6 Correction ATV0 command	Ericsson	Revised in 144	X
T2-030043	SWG2_03 Meeting Report, San Francisco, 16-18 Jan 2003	SWG2 Chair	Modified to 110	
T2-030044	CR to 07.07 R98 Replace V.25ter by V.250	Ericsson	Not Approved – latest version is V.250	
T2-030045	CR to 27.007, R99: AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class	Motorola	Noted. Revised in 147	
T2-030046	CR to 27.007, R4: AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class	Motorola	Not Reviewed. Revised in 148	
T2-030047	CR to 27.007, R5: AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class	Motorola	Not Reviewed. Revised in 149	
T2-030048	CR to 27.007, R6: AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class	Motorola	Not Reviewed. Revised in 150	
T2-030049	TS 23.241 v0.3.3	Rapporteur	Approved as 23.241 baseline version	
T2-030100	CR 27.007 Rel-4: Clarification in the behaviour of AT+CGCLASS	Siemens	Approved for Output to T2	
T2-030101	CR 27.007 Rel-5: Clarification in the behaviour of AT+CGCLASS	Siemens	Approved for Output to T2	
T2-030102	CR 27.007 Rel-6: Clarification in the behaviour of AT+CGCLASS	Siemens	Approved for Output to T2	
T2-030103	CR for 27.007 R99 Correction of AT+WS46 parameter values	NTT DoCoMo	Withdrawn	
T2-030104	CR for 27.007 R4 Correction of AT+WS46 parameter values	NTT DoCoMo	Not presented	
T2-030105	CR for 27.007 R5 Correction of AT+WS46 parameter values	NTT DoCoMo	Not presented	
T2-030106	CR for 27.007 R6 Correction of AT+WS46 parameter values	NTT DoCoMo	Not presented	
T2-030107	Structure of 23.241	SWG2_03	Approved for next issue of 23.241	

			issue of 23.241
T2-030108	Introduction, and Scope of 23.241	SWG2_03	Approved for next issue of 23.241
T2-030109	Section 4 of 23.241	Ericsson, Nokia, NTT-DoCoMo	Approved for next issue of 23.241
T2-030110	Revised Report of SWG2_03	Chair	Approved
T2-030111	List of Evaluation Criteria	NTT-DoCoMo	Revised in 151
T2-030112	TS23.241 6.2 Profile Component Description	Nokia,Ericsson	Approved for next version of 23.241
T2-030113	TS23.241 7.2 Examples of Datatype Definitions	Nokia,Ericsson	Approved for next version of 23.241
T2-030114	TS23.241 7.3 XML Schema Usage for Datatype Definitions	Nokia,Ericsson	Approved for next version of 23.241
T2-030115	TS23.241 Profile Component Master Schema	Nokia,Ericsson	Approved for next version of 23.241
T2-030116	TS 23.241 6.1 Introduction	Ericsson, Nokia	Noted. Not for inclusion in 23.241 yet
T2-030117	Not used		
T2-030118	Revised CR for AT Command +CGCLASS R99	Siemens	Approved for Output to T2
T2-030119	Terminology for Terminal Architecture	Siemens, Peter	Noted with Actions
T2-030140	Revised CR to 07.07 R98 Correction ATV0 command	Ericsson	Approved for Output to T2
T2-030141	Revised CR to 27.007 R99 Correction ATV0 command	Ericsson	Approved for Output to T2
T2-030142	Revised CR to 27.007 R4 Correction ATV0 command	Ericsson	Approved for Output to T2
T2-030143	Revised CR to 27.007 R5 Correction ATV0 command	Ericsson	Approved for Output to T2
T2-030144	Revised CR to 27.007 R6 Correction ATV0 command	Ericsson	
T2-030145	Presentation on CR for +WS46	Ntt-D	Noted
T2-030146	Response to LS 17 on USIM multi-net	Brian, Paul	Approved for Output to T2, one objcetion
T2-030147	CR to 27.007, R99: AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class	Motorola Yilin Zhao	Revised to 157
T2-030148	CR to 27.007, R4: AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class	Motorola	Revised to 158
T2-030149	CR to 27.007, R5: AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class	Motorola	Revised to 159
T2-030150	CR to 27.007, R6: AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class	Motorola	Revised to 180

	for Streaming / Conversational Traffic Class			
T2-030151	Revised - List of Evaluation Criteria	NTT-DoCoMo	Noted, approved by SWG2	
T2-030152	CR for 27.007 R99 Correction of AT+WS46 parameter values	NTT DoCoMo	Provisionally Approved for Output to T2 – Nokia confirm at T2	
T2-030153	CR for 27.007 R4 Correction of AT+WS46 parameter values	NTT DoCoMo	Provisionally Approved for Output to T2 – Nokia confirm at T2	
T2-030154	CR for 27.007 R5 Correction of AT+WS46 parameter values	NTT DoCoMo	Provisionally Approved for Output to T2 – Nokia confirm at T2	
T2-030155	CR for 27.007 R6 Correction of AT+WS46 parameter values	NTT DoCoMo	Provisionally Approved for Output to T2 – Nokia confirm at T2	
T2-030156	LS - GUP Progress Report to SA2	SWG2 Chair	Approved for Output to T2	
T2-030157	CR to 27.007, R99: AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class	Motorola Yilin Zhao	Approved for Output to T2	
T2-030158	CR to 27.007, R4: AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class	Motorola	Approved for Output to T2	
T2-030159	CR to 27.007, R5: AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class	Motorola	Approved for Output to T2	
T2-030180	CR to 27.007, R6: AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class	Motorola	Approved for Output to T2	
T2-030181	TS23.241 v0.3.4 with change bars	Rapporteur	Approved as 23.241 baseline version	
T2-030182	TS23.241 v0.3.4 clean	Rapporteur	Approved as 23.241 baseline version	

Annex B FINAL AGENDA

3GPP TSG-T2 #20
San Francisco, California
20-24 January 2003

T2-030030

Agenda Item: **1.1**

Source: **SWG2 Chairman**

Title: **FINAL Agenda SWG2#20 Meeting**

Document for: **Approval**

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1. Opening of the meeting

1.1 Approval of this Meeting's Agenda, Chairman's comments 030

Recording of Incoming Docs & assignment to Agenda 030, doclist

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

SWG2_03 – January 16-18

1.3 Future Meetings Confirmation – after Agendum 2.2

1.4 Review of Progress on Action Items Draft1 031

1.5 Appointment of Rapporteurs – UEM Protocol Specs, UEM TR GAP Analysis, 23.227.

Do we still need 27.241? NO

2. Items for immediate discussion –

2.1 SWG2_03 Output docs 43, 110, 107, 108, 109

2.2 T2 Participation in UEM work with SA5 32, 33

3. SWG2 Ongoing Work

3.1 UE Management

3.2 SWG2 Ongoing Work on GUP, DDM, CO 35, 49, 112, 113, 114, 115, 111, 151, 156, 116, 181, 182

3.3 AT Commands 36, 37, 100, 101, 102, 145, 103, 104, 105, 106, 44, 38, 39, 40, 41, 42, 45, 46, 47, 48, 118, 140, 141, 142, 143, 144, 147, 148, 149, 150, 152, 153, 154, 155, 157, 158, 159, 180

3.6 IMS

4. Other SWG2 Items

4.1 UE Functionality Split

4.2 Application and User Interaction (Terminal Local Model) 119

4.3 Other (incl. CRs to SWG2 docs) 17, 34, 146

5. Review of WI's progress, SWG2 and T2 relevant items in 3GPP work plan 10, 11

6. Approval of Output Drafts and Documents for T2 Approval

6.1 Liaison Statements, etc.

6.2 Meeting Report of this SWG2 meeting 031

7. Deferred Items

8. Any Other Business

9. Future meetings, Time requirements

SWG2_04_Phoenix - Feb 25-27, 2003, Phoenix, Arizona CANCELLED

JM with SA5 on GUP, UEM, SuM - Feb. 25 Phoenix, Arizona CANCELLED

SWG2_04_Berlin on GUP - April 7-10, 2003, Berlin DE (TBC) CONFIRMED

JM with SA5 on GUP, UEM, SuM – During April 7-10, 2003 Berlin DE (TBC) CONFIRMED

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
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Annex E: Report from SWG3 Messaging

Agenda Item: T2 Closing Plenary

Source: SWG3 Chair

Title: Report of SWG3

Document for: Approval

Executive Summary:

General:

The SWG3 sessions at T2#20 were attended by 32 delegates. All in all 79 tdocs were processed, among these 11 incoming LSs. All documents were handled.

Rami Neudorfer from Comverse was elected to be the acting chairman of this meeting.

The meeting wished Josef Laumen from Siemens, the SWG3 chairman, a quick recover from his cold.

Paolo Franzoi from Vodafone Omnitel volunteered to act as meeting secretary.

Following are the main items that were discussed in the meeting:

- Corrections to REL-5 Stage 2 that were highlighted by OMA-MMDC
- Several contributions resulting from the use of multiple R/S within a single network operator MMSE
- Discussions on e-mail connectivity
- Discussions on IMS Messaging/Deferred and MMS
- Harmonisation of work with 3GPP2
- Potential interoperability issues related to the storing of MMS-related parameters into the (U)SIM.

A Joint SA1/T2-SWG3 Meeting was held on Wednesday 22 morning, where important topics were discussed. The meeting report is available as S1-030199.

Action items from T2 opening plenary:

- None

CBS matters

An outstanding issue from T2#19 regarding Cell Broadcast Data length was finally closed by the rapporteur of TS 23.041 resulting in 3 CR's (T2-030086, T2-030087, T2-030088) and an LS to T3 (T2-030089) that were approved.

SMS matters

An LS from SA2 on SMS over PS in Iu mode was noted (T2-030019).

EMS matters

None.

Encodings

An outstanding issue from T2#19 requested T2 to guide them on the proper codings for storing melodies in REL-6. An output LS was produced (T2-030085) advising SA1 to use at least the codecs supported by SMS and EMS, namely iMelody and MIDI.

MMS REL-4 issues

An LS from TSG-T on MMS parameter storage in the SIM, and inter release ME behaviour (T2-030020) was noted and acted accordingly.

3 CR's to 23.140 REL-4 were approved:

- T2-030093 on MMS UA behaviour regarding MMS parameters stored in the (U)SIM
- T2-030123 on Conditional usage of the Message-ID in MM1_Retrieve.RES
- T2-030129 on MM4_Read_Reply_Report processing refers to an incorrect message

MMS REL-5 issues

4 incoming LS were handled, all coming from the OMA. One of them advised T2 on the status of implementation of REL-5 Stage 3. Three others came from OMA-MMDC and highlighted problems identified by OMA-MMDC with

REL-5 Stage 2. All these problems were handled and resulted in SWG3-agreed CR's (T2-030052, T2-030121, T2-030124, T2-030125).

Another LS from OMA-MMDC requested T2 to add a user 'unreachable' status code. It was decided that this matter cannot be added to REL-5 in that it would be an additional feature. Instead, it can be considered as a useful feature for REL-6. An outgoing LS on this topic was produced (T2-030127).

Another outstanding issue from T2#19 was an LS from GSMA-SERG-MMSG on MM4 DMZ architecture. After investigation, T2-SWG3 could not find anything wrong with existing specs, and an LS was produced asking SERG form more clarifications (T2-030084).

A minor problems was identified about the need to update the MM7 version in the MM7 Schema each time a new TS 23.140 version is approved. A CR produced by Comverse was noted, however because of minor issues on this matter Comverse was asked to produce a new version of this CR for e-mail approval (T2-030078).

A need was identified to further clarify the encoding of MMS Connectivity Information into the (U)SIM. Conflicting examples were suggested as informative CR's to existing 3GPP specs. Ericsson suggested an example to be added to the TS 23.140 based on WAP-OTAP, while Siemens suggested an alternative approach to be added as an example T3 specification TS 31.102. Since an agreement could not be reached on which approach should be reached, it was decided to hold a Joint T2/T3 meeting on this topic and an output LS was produced (T2-030136) towards T3.

Ericsson suggested a CR adding MM7-related fields on MM4, which was rejected on the basis that this is a new feature (T2-030060). The consensus was to re-submit it for REL-6.

Other CR's which are essential error corrections were approved (T2-030077, T2-030130, T2-030132).

MMS REL-6 issues

An incoming LS from SA2 advised T2 that SA2 does not see a need to standardise a transcoding interface. Therefore it was decided that this topic will not be dealt with further.

During the T2#19 meeting Comverse was requested to start an e-mail discussion on email-MMS connectivity and on MMS connectivity to an external MMBox. The discussion on this topic was held, but no decision was taken.

Several changes to Stage 1 REL-6 MMS specification were introduced (T2-030071): charging mechanism, priority of the message, and 3rd party pays, preventing loops over MM1, and other topics. It was found out that one of these CR's was not approved by SA plenary. T2 will continue to follow the new requirements added to 22.140, so that these could be implemented in REL-6 Stage 2.

On IMS Messaging, an outstanding issue was an LS from SA2 received during the T2#19 meeting, requesting T2 "to carry out an analysis on the applicability of MMS architecture to the IMS Messaging Deferred delivery type, and provide the result of the analysis, including the necessary enhancements to the MMS architecture to SA2". An analysis was carried out by Comverse (T2-030053) and an answer to SA2 was proposed by Nokia (T2-030064) and by Comverse. It was decided that further analysis of this important topic is needed before is sent to SA2. An LS on this matter was produced (T2-030137). Nokia, Ericsson and Openwave volunteered to carry out their own analysis of the problem.

China Mobile and Huawei Technologies produced several CR's resulting from the special needs of China Mobile. Being a very large operator, they have deployed several MMS R/S within the same network and require several mechanisms to deal with this architecture. The CR's produced deal with enhanced functionalities of Delivery Report over MM4 and with MM7 extension over MM4. It was decided to basically accept the need to operate over a multi-R/S architecture, but there is a need to refine the work on these CR's. It was found that it is advisable to give some CR's a "rolling" status, meaning that they are kept alive in the agenda for several meeting, until they are approved (T2-030062, T2-030135).

A CR on handling notifications from multiple R/S by Comverse (T2-030070) was also given this status, since it deals with similar issues.

A CR T2-030134 by Ericsson suggesting to extend MM7 functionality over MM4 and thus enable VASP service to be provided over several MMSE's was also given the 'rolling' status and will be discussed in future meetings.

The new requirement by SA1 to support 3rd party pay over MM7 (= sponsored MM) was reflected in Huawei Technologies CR T2-030067. However it was found out that many of the functionalities suggested by this CR are already supported by the existing MM7 Stage 2. Therefore this CR was rejected and Huawei was requested to produce a new CR, which will deal with the issues that are currently not addressed in the current specifications.

The issue of transferring the Delivery Report over the MM4 was extensively discussed. The principle of the changes was agreed and a final CR on this is expected to be submitted for the next meeting.

A CR suggesting the introduction of an 'autofetch' feature was submitted by a group of operators (T2-030080). After a discussion the conclusion was that the idea needs SA1 approval, before further discussion is carried out.

Several CR's to REL-6 mirroring error correction to REL-5 were approved. They are listed in the detailed minutes.

MMS 3GPP/3GPP2 Harmonisation

Informal status report on 3GPP2/MMS activities was presented at the JM SA1/SWG3. As a result an outgoing LS T2-030128 was produced, requesting 3GPP2 TSG-N to inform T2 on the status of their specification progress.

MMS Rel. 6 WID

Concerns were raised that in this point in time too little contributions were submitted on MMS release 6 WID. The result may be that Release 6 will not reflect the ambitious "Wish List" that was composed for it. A short discussion on this topic was held , and a "show of hands" was conducted in order to examine if there was any willingness by participating companies to support the WID, by forthcoming contributions. Indeed on several areas of the WID , it was found out that no company is willing to support these items. T2 chair suggested that if this continues to be the case , these items will be eliminated from the Rel. 6 WID. However, it was mentioned that the MMS WID may reflect a "continuous" wish list for future releases as well. This matter will be raised at the T2 plenary.

Future Meetings:

Meeting	Date	Venue	Comment
SWG3 Ad Hoc Meeting	**TBD**	**TBD**	To be held ONLY if sufficient contributions are received 2-3 weeks prior to the meeting date
Joint SA1 Messaging SWG3 meeting	**TBD**	**TBD**	
T2#21	**12-16 May 2003**	**US**	
T2#22	**25-29 Aug 2003**	**Cambridge, UK**	

Output Change Requests from SWG3:

CBS:

TDoc	Title	Source	Comment
T2-030086	CR 23.041 Rel 4 CB data	IAN HARRIS	
T2-030087	CR 23.041 Rel 5 CB data	IAN HARRIS	
T2-030088	CR 23.041 Rel 6 CB data	IAN HARRIS	

SMS:NONE

EMS: NONE

MMS:

tdoc #	Subject	Source	Comments
T2-030052	CR 23.140 Rel-5 Transferring distribution indicator as part of message retrieval	Comverse	Not mirrored to REL-6. Ville volunteered to submit T2-030186 mirror REL-6 during the Close Plenary
T2-030186	CR 23.140 Rel-6 Transferring distribution indicator as part of message retrieval	Nokia	
T2-030068	CR 23.140 Rel-6: Recipient Handling on MM4 (resubmission of T2-020954)	Ericsson	
T2-030077	CR 23.140 Rel-5: support of Bcc: field over the MM4	Vodafone	
T2-030093	CR 23.140 Rel-4 MMS UA behaviour regarding the MMS parameters on the (U)SIM	Vodafone	
T2-030121	CR 23.140 Rel-5: Conditional Usage of the Message-ID in MM1_Retrieve.RES	Siemens	

T2-030122	CR 23.140 Rel-6: Conditional Usage of the Message-ID in MM1_Retrieve.RES	Siemens	
T2-030123	CR 23.140 Rel-4: Optional Usage of the Message-ID in MM1_Retrieve.RES	Siemens	Why Optional instead of Conditional? Conditionally agreed. Peter/Siemens shall provide clarification.
T2-030124	CR 23.140 additional MM1_Mmbox_View request parameters	Openwave	
T2-030125	CR 23.140 additional MM1_Mmbox_View request parameters	Openwave	
T2-030129	CR 23.140 Rel-4: MM4_Read_reply_report processing refers to an incorrect message	Ericsson	
T2-030130	MM4_Read_reply_report processing refers to an incorrect message	Ericsson	
T2-030131	MM4_Read_reply_report processing refers to an incorrect message	Ericsson	
T2-030132	CR 23.140 Rel-5 addition of missing fields in table K6	Ericsson	
T2-030133	CR 23.140 Rel-6 addition of missing fields in table K6	Ericsson	

Output Liaison Statements from SWG3:

CBS:

TDoc	Title	Source	Comment
T2-030089	LS to T3 copied to RAN2 on CB data	IAN HARRIS	

SMS: NONE

EMS: NONE

MMS:

tdoc #	Subject	Source	Comments
T2-030084	LS on MM4 interface and DMZ architecture	Nokia	
T2-030126	LS TO MMDC on rel 5 MMS MMBOX	Openwave	
T2-030127	LS TO MMDC on rel 5 MMS	Openwave	
T2-030128	LS to 3GPP TSG-N and 3GPP-T on MMS harmonization	Openwave	
T2-030136	LS on encoding example for MMS Connectivity information	Ericsson	Agreed date: 12th February in Portugal
T2-030137	LS to SA2 regarding IMS Messaging	Nokia	

Other matters :

tdoc #	Subject	Source	Comments
T2-030085	Codings for storing melodies in the USIM	ALCATEL	Already approved and sent to SA1, before the Closing Plenary

List of postponed documents

None

List of “rolling” CRs–

The following CR’s are not meant to go to TSG-T, so they don’t need T2 formal approval.

tdoc #	Subject	Source	Comments
T2-030062	CR 23.140 REL-6: third party pay	China Mobile	
T2-030070	CR 23.140 REL-6: Addition of MMS Relay identifier (revised T2-030069)	Comverse	
T2-030134	CR 23.140 Rel-6: Providing MM7 message related fields on MM4	Ericsson	

T2-030135	CR 23.140 Rel-6 Extension of Delivery Report over MM4	China Mobile	

List of Action Items:

From T2#19

AI#	Related tdoc #	Subject	Action Item / Responsible	Result
1	T2-020839	LS from T3 on Cell Broadcast Download data parameters	Ian to resolve until next meeting	done
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	Draft out-LS by NOKIA + discussion paper by Comverse LS out by SWG3
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	LS out from T2#20
4	T2-020923	CR 23.140: Handling of different MMS notifications	Phillippe to lead email discussion	Not conducted
5	T2-020929	MMS Security services	Volahanta to lead email discussion to find out implications on MMS service	Not conducted new AI For #20
6	T2-020933	Discussion paper on "MMS Email Connectivity MM3 Standardization"	Rami to lead a email discussion on MM3 scope	done
7	T2-020935	Discussion Paper on MM2 Interface to MMBox	Rami to lead a email discussion on MMbox	done

			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	No email discussion LS Out to T3
9	T2-020954	CR 23.140 Recipient Handling on MM4	Sam to take this CR on email discussion	No email discussion
12	T2-020957	CR 23.140 REL-6 Addition of support for "Bcc" field in the MM4 reference point	Ericsson / Vodafone to create similar CRs for earlier releases	done

Outstanding Action Items From T2#20

AI#	Related tdoc #	Subject	Action Item / Responsible	Result
1	T2-020929	MMS Security Services	Openwave, Gemplus to conduct an email discussion?	
2	T2-030052	CR 23.140 REL-5 on Transferring distribution indicator as part of message retrieval	Comverse to generate mirror REL-6	
3	T2-030062	MM7 operation across MM4	Ericsson and other interested parties (Comverse, Nokia) to produce a discussion paper on MM7 extension (MM1, MM4, charging, etc. issues) – REFLECTOR or NEXT MEETING	
4	T2-030135	Extension of delivery Report over MM4 REL-6	China Mobile and other interested parties to produce revised T2-030135	
5	T2-030053	IMS deferred Messaging implications on MMS	Openwave, Nokia, Ericsson to conduct an analysis	

Detailed Report:

General:

TDoc	Title	Source	Comment
T2-030050	**Draft SWG3 agenda**	**SWG3 chairman**	

Rami from Comverse, as acting SWG3 chairman, presented it.

Discussion:

Conclusion:

Approved

Action items from T2 opening plenary – IF ANY:

NONE!

Incoming Liaison Statements:

TDoc	Title	Source	Comment
T2-020886	**LS on the melodies storage feature in the USIM in release 6**	**SA1**	**Postponed from T2#19**

Discussion:

Gwenael/Alcatel suggests that T2 should simply reply that iMelody and MIDI are the only two formats currently standardised for SMS. It was decided to Cc: also SA4, which was not addressed in the original LS.

Gwenael volunteered to produce the reply-LS T2-030085.

Conclusion:

Noted

TDoc	Title	Source	Comment
T2-030013	**LS to T2 on clarifications about MMbox Stage 2**	**OMA-MMDC**	

Milt from Openwave presented it. On Tuesday, Alan from Openwave also joined the discussion.

Discussion:

At this meeting there is no CR that implements the changes required by MMDC. A detailed analysis of the proposed changes followed, and these are the conclusions:

- Clause #1: T2 will confirm MMDC (via a collective reply-LS) that their interpretation is correct, thus MMDC is invited to proceed with the implementation of Stage 3 REL-5. In the meantime, T2 will work to clarify REL-6 Stage 2 accordingly.
- Clause #2: T2 will confirm MMDC that their interpretation is correct. Care should be taken to potential charging issues related to simultaneous downloading of all messages from the MMBox. T2 believes that this clause requires no further action at Stage 2 level.
- Clause #3: Alan from Openwave explained that the general issue raised here is version handling on MMS User Agent. Nokia believes that version handling is already covered in Stage 2, thus no action is required from T2. Openwave agrees that T2 should only confirm MMDC that their assumption is correct.
- Clause #4: the MMDC assumption is correct and requires a change to 23.140. Since such a CR was not provided for this meeting, Alan from Openwave will produce CR's for REL-5 (T2-030124) and REL-6 (T2-030125) to resolve the issue.
- Clause #5: it is just a summary, and no actions are required from T2.

In conclusion, Alan from Openwave volunteered to produce for this meeting both the two CR's mentioned above (Clause #4) and a collective reply-LS that will summarize all the actions required by MMDC and implemented at this meeting. Ref. also incoming-LS's T2-030014 (informative), T2-030015 (w/ CR's), T2-030016 (w/ CR's), T2-030021 (w/out CR).

Conclusion:

Noted

TDoc	Title	Source	Comment
T2-030014	**LS (TP-020258, OMA-TP-2002-0018) ON MMS REL-5 STAGE 3**	**OMA Technical Plenary**	

Ville from Nokia presented it.

Discussion:

Just for information. No actions required from T2.

Conclusion:

Noted

TDoc	Title	Source	Comment
T2-030015	**Usage of the Message-ID in the M-Retrieve.conf PDU**	**OMA-MMDC**	

Peter from Siemens presented it.

Discussion:

At this meeting, two of documents were submitted to implement the required action: CR REL-4 T2-030065 (later revised into T2-030123), CR REL-5 T2-030057 (later revised into T2-030121). Moreover, a need for a REL-6 mirror was also identified, which was produced in T2-030122).

Since there are multiple LS's from OMA MMDC, Ville suggested to produce just one collective reply-LS that summarizes all the implemented actions and feedbacks (later Alan from Openwave volunteered to produce this collective reply-LS; ref. T2-030126, T2-030127)

Conclusion:

Noted

TDoc	Title	Source	Comment
T2-030016	**Inclusion of Message Distribution Indicator in the M-Retrieve.conf PDU**	**OMA-MMDC**	

Rami from Comverse presented it.

Discussion:

The required action is implemented in the submitted CR T2-030052 REL-5.

Conclusion:

Noted

TDoc	Title	Source	Comment
T2-030018	**Reply-LS on Requirement for standardizing a Transcoding interface**	**SA2**	

Peter from Siemens presented it.

Discussion:

It was reported that the requirement for an open transcoding interface was raised also in OMA-REQ, but no agreement was reached and a corresponding proposal was not brought to OMA TP as an OMA-REQ input.

Based on the responses received until now from SA1 and SA2, T2 understands that there is currently no requirement to further work on this issue.

Conclusion:

Noted.

TDoc	Title	Source	Comment
T2-030019	**LS on SMS over PS in Iu mode**	**SA2**	

Ian from Teleca presented it.

Discussion:

No action required from T2.

Conclusion:

Noted

TDoc	Title	Source	Comment
T2-030020	**LS on MMS parameter storage on the SIM, and inter release ME behaviour**	**TSG-T**	

The document was not presented, because Friedhelm pointed out that it is now outdated after SA#18 decision. Thus, there is no need to process it.

Discussion:

Conclusion:

Noted

TDoc	Title	Source	Comment
T2-030021	**LS on New X-Mms-MM-Status-Code**	**OMA-MMDC**	

Azadeh of Ericsson presented it.

Discussion:

There is no associated CR submitted for this meeting that implements the proposed change.

Paolo from Vodafone questioned the feasibility of the MM1-related use case. Milt from Openwave explained that some WAP Push Proxy Gateways are able to confirm back the R/S if the MM1 notification was not correctly delivered. Instead, the meeting agreed that the change proposed would make sense when applied to the MM4, e.g. when it is impossible to reach a recipient because of lack of MM4 interconnection.

In conclusion, the meeting agreed the following:

- The proposed change seems to have some utility, although it probably needs some further clarification (e.g. MMDC should clarify where the new proposed message delivery status value ‘unreachable’ should be inserted into 23.140).
- This is rather a new feature for REL-6 than a correction for earlier releases (frozen).
- MMDC is urged NOT to include the proposed value in their implementation of REL-5 Stage 3. reply LS produced by Alan Stebbens from Openwave.

Conclusion:

Noted

TDoc	Title	Source	Comment
T2-030022	**Liaison statement to 3GPP SA1 cc: T2 on Roaming Awareness**	**GSMA CPWP**	**Response to S1-022270 (also T2-020951)**

Paolo from Vodafone presented it.

Discussion:

CPWP appreciated T2 reply-LS T2-020951. No further action is required from T2.

Conclusion:

Noted

TDoc	Title	Source	Comment
T2-030071	**Set of CR REL-6 22.140 from SA#18**		

Friedhelm briefly introduced it, explaining that this is not an official LS, but it provides useful background information to T2.

Rami from Comverse presented the four included CR's 22.140 REL-6.

Discussion:

- S1-022359 Updates to 22.140 for Release 6 (support of DRM and Different Behaviour when Roaming): SA#18 rejected it because of some ambiguities in it.
- S1-022314 Additional feature for Multimedia message management (preventing loops at MM1 level when applying automatic MM forwarding):
    - Sunny of China Mobile explains that currently there's only MM4-level loop protection (forward counter), whereas no MM1-level mechanism exists. Therefore, the reality today is that – if considering only the Stage 2 standard – the automatic MM forwarding may generate loops within one single MMS R/S domain.
    - Nokia believes that this Stage 1 requirement and most existing proprietary implementations are enough. This problem seems to apply only to some specific vendor solution(s), which haven't implemented a proprietary workaround.
    - The conclusion was that T2 is urged to evaluate the need for further Stage 2 standardisation needs to solve this issue, or if it is enough to leave this Stage 1 requirement. Sunny will look offline if further Stage 2 standardisation is needed.
- S1-022312 Additional feature for the MMS charging mechanism: SA#18 approved this, but currently there is no requirement for the MMS R/S to treat the 'priority' of MM in any way. In essence, the Priority value is meant just for information.
- S1-022313 Additional feature for the MMS charging model: the original sender of an MM is charged for a message that a VASP re-bounces to a final recipient.

Conclusion:

Noted

CBS matters:

- No input doc.

- 4 docs generated for the Closing Plenary.

Tdoc	Title	Source	Comment
T2-030089	**Reply LS on Cell Broadcast Download data parameters**	**Teleca**	**See also T2-030086, T2-030087, T2-030088**

Discussion:

Conclusion:

Approved

Tdoc	Title	Source	Comment
T2-030086	**CR 23.041 REL-4 on Cell Broadcast Data length**	**Teleca**	**See T2-030089**

Discussion: most people do not really understand what this is all about...

Conclusion:

Approved

Tdoc	Title	Source	Comment
T2-030087	**CR 23.041 REL-5 on Cell Broadcast Data length**	**Teleca**	

Discussion:

Conclusion:

Approved

Tdoc	Title	Source	Comment
T2-030088	**CR 23.041 REL-6 on Cell Broadcast Data length**	**Teleca**	

Discussion:

Conclusion:

Approved

Coding:

- No input documents.

- One outgoing reply-LS (drafted by Gwenael/Alcatel)

Tdoc	Title	Source	Comment
T2-030085	**Reply-LS (to: SA1 cc: SA4, T3) on codings for storing melodies in the USIM (Release 6)**	**Gwenael on behalf of SWG3**	**Response to T2-020886 (S1-022346)**

Gwenael from Alcatel presented it.

Discussion:

N.B. At this meeting SWG2 has also approved it, so it is considered T2 approved and it can already go to SA1 at this meeting.

Conclusion:
Approved

EMS matters:

- None

TDoc	Title	Source	Comment

Discussion:

Conclusion:

MMS REL-4 issues:

TDoc	Title	Source	Comment
T2-030065	CR REL-4 on Optional Usage of the Message-ID in MM1_Retrieve.RES	Siemens	

Discussion:

Noted and replaced by T2-030123

Conclusion:

Noted

TDoc	Title	Source	Comment
T2-030123	**CR REL-4 on Optional Usage of the Message-ID in MM1_Retrieve.RES**	**Siemens**	**See also T2-030121 (REL-5), T2-030122 (REL-6)**

Discussion:

Conclusion:

Approved

TDoc	Title	Source	Comment
T2-030073	**CR REL-4 on Typo in the wording of the MM4_Read_reply_report**	**Ericsson**	

Discussion:

Nokia suggested to change category from D to F, because editorial changes (cat. D) to REL-5 or earlier releases are no longer allowed.

Thus this CR is rejected and shall be re-submitted as T2-030090. The same applies to the mirror CR's T2-030058 (REL-5) and T2-030074 (REL-6).

The agreed conclusion is:

- T2-030073 (REL-4) to be replaced by T2-030090
- T2-030058 (REL-5) to be replaced by T2-030091
- T2-030074 (REL-6) to be replaced by T2-030092

Conclusion:

Rejected

TDoc	Title	Source	Comment
T2-030090	**Typo in the wording of the MM4_Read_reply_report**	**Ericsson**	**Re-submission of T2-030073**

Discussion:

Some imperfections were found in the cover sheet. To be re-submitted as T2-030129.

Conclusion:

Rejected

TDoc	Title	Source	Comment
T2-030129	**Typo in the wording of the MM4_Read_reply_report**	**Ericsson**	**Replaces T2-030090**

Discussion:

Conclusion:

Approved

TDoc	Title	Source	Comment
T2-030055	**MMS UA behaviour regarding the MMS parameters on the (U)SIM**	**Gemplus**	**To be replaced by T2-030093**

No Gemplus delegate was present to the meeting, so the temporary SWG3 chairman presented it.

Discussion:

A duplicated sentence was found. Thus it is rejected and replaced by T2-030093.

Paolo from Vodafone volunteered to produce the revised version.

Conclusion:

Rejected

TDoc	Title	Source	Comment
T2-030093	**MMS UA behaviour regarding the MMS parameters on the (U)SIM**	**Vodafone**	**Replaces T2-030055**

Discussion:

Conclusion:

Approved

MMS REL-5 issues:

Tdoc	Title	Source	Comment
T2-030058	**CR REL-5 on Typo in the wording of the MM4_Read_reply_report**	**Ericsson**	**To be replaced by T2-030091**

Discussion:

Conclusion:

Rejected

Tdoc	Title	Source	Comment
T2-030091	**CR REL-5 on Typo in the wording of the MM4_Read_reply_report**	**Ericsson**	**Replaces T2-030058**

Discussion:

Some imperfections were found in the cover sheet. To be re-submitted as T2-0301130.

Conclusion:

Rejected

Tdoc	Title	Source	Comment
T2-030130	**CR REL-5 on Typo in the wording of the MM4_Read_reply_report**	**Ericsson**	**Replaces T2-030091**

Discussion:

Conclusion:

Approved

Tdoc	Title	Source	Comment
T2-030052	**CR REL-5 on Transferring distribution indicator as part of message retrieval**	**Comverse**	

Rami from Comverse presented it.

Discussion:

The need for a mirror CR REL-6 was also identified. Comverse was asked to produce it at this meeting

Conclusion:

Approved

Tdoc	Title	Source	Comment
T2-030060	**CR REL-5 on Providing MM7 message related fields on MM4**	**Ericsson**	Resubmitted as T2-030134 REL-6 "rolling" CR

Michel from Ericsson presented it.

Discussion:

Rami observes that

- Reply-Charging IE is not relevant.
- VASP and VAS ID not relevant (because make sense only within one MMS domain).

Nokia objects saying that REL-5 scope is just one MMSE. SA1 has to agree if MM7 can be extend beyond one single operator domain. This is a new functionality and thus it is for REL-6.

Logica has the same position: extension of MM7 beyond one Opco is for REL-6.

Some typos found in the text, thus two new CR's to be generated:

- T2-030094 CR REL-5 Addition of missing field in table K6.
- T2-030120 CR REL-6 Addition of missing field in table K6.

Not clear if Stage 1 already provides sufficient ground for the MMS VASP extension.

To be resubmitted as T2-030134 REL-6 rolling CR.

Conclusion:

Rejected

Tdoc	Title	Source	Comment
T2-030076	**CR 23.140 REL-5: Clarification of how MMS connectivity information shall be stored on USIM**	**Ericsson**	

Azadeh from Ericsson presented it.

Discussion:

The example introduces also parameters that are not part of the 23.140 specifications, but are part of WAP Provisioning (WAP-OTAP). Nokia feels that this may be misleading, i.e. suggesting that the parameters specified in 23.140 (chapter 7.1.14 and Annex F), are not sufficient.

There is a Siemens document T2-030081 that comments on this CR. They suggest that the example should rather go into T3 specifications (31.102 and 51.011).

Ian's guidance was requested:

- cover sheet: category D is not acceptable for REL-5.
- Put it in a separate Informative annex. In general, examples should always be encouraged, because they clarify issues.
- Not sure if this appropriate for inclusion REL-5.

Friedhelm: if it is true, as said into the coversheet, that this example provides clarification, then SA won't have problems with it.

Nokia/Miraj still thinks that this may be misleading, by contradicting the normative part of 23.140. So, Nokia objects.

Left pending until Motorola, Nokia, Ericsson and Siemens reach an agreement offline. Possibly involve also the T3 chairman Nigel Barnes.

Report from the offline discussion (Azadeh):

- Agreed need for JM T2/T3 to agree which specs will be changed (23.140 or xxxT3).
- Ericsson will write an LS (T2-030136) to explain the current status and the agreed way forward.

Nokia: no need to have this JM.

Ian: T2 and T3 chairmen agreed to have the JM, and the only issue into which specs (T2 or T3) the Example (Informative) will go.

Comverse+Vodafone: Informative example in not enough to grant IOP.

T2 chairman: let's JM T2/T3 to decide on Informative vs. Normative and T2-spec vs. T3-spec.

Nokia: the current specs are clear enough to grant IOP. Just one company interpreted them improperly.

Conclusion:

Noted

Tdoc	Title	Source	Comment
T2-030081	**Encoding Example for MMS Connectivity Information in the (U)SIM**	**Siemens**	**Includes drafts LS T2-030082 and draft CR T2-030083**

Peter from Siemens presented it.

Discussion:

The meeting agreed that terminal vendors are coming out with different implementations of the USIM storage

Offline discussion called during this meeting: Nokia, Siemens, Motorola, Ericsson, Vodafone, Telecom Italia, Three.

Conclusion:

Noted

Tdoc	Title	Source	Comment
T2-030082	**DRAFT-LS: Encoding Example for MMS Connectivity Information**	**Siemens**	**Attached to T2-030081**

Discussion:

Conclusion:

Noted

Tdoc	Title	Source	Comment
T2-030083	**DRAFT CR: clarification for the encoding of MMS related information**	**Siemens**	**Attached to T2-030081**

Discussion:

Conclusion:

Noted

Tdoc	Title	Source	Comment
T2-030057	**CR REL-5 on Conditional Usage of the Message-ID in MM1_Retrieve.RES**	**Siemens**	

Peter from Siemens presented it.

Discussion:

Gwenael identified an error in the coversheet, thus this was noted and replaced by T2-030121.

Moreover, the same change is also mirrored for REL-6 in T2-030122.

Conclusion:

Noted

TDoc	Title	Source	Comment
T2-030121	**CR REL-5 on Conditional Usage of the Message-ID in MM1_Retrieve.RES**	**Siemens**	**replaces T2-030057**

Discussion: none

Conclusion:

Approved

TDoc	Title	Source	Comment
T2-030077	**CR REL-5 on Support of the "Bcc:" information element in the MM4 reference point.**	**Vodafone**	

Paolo from Vodafone Omnitel presented it.

Discussion:

Conclusion:

Approved

TDoc	Title	Source	Comment
T2-030094	**CR REL-5 on Addition of missing field in table K6**	**Ericsson**	**To be replaced by T2-030132**

Michel from Ericsson presented it.

Discussion:

This was originated after T2-030060 (which was rejected).

Later some imperfections wer found in the coversheet, thus it had to be re-submitted as T2-030132.

Conclusion:

Rejected

TDoc	Title	Source	Comment
T2-030132	**CR REL-5 on Addition of missing field in table K6**	**Ericsson**	**Replaces T2-030094**

Discussion:

Conclusion:

Approved

TDoc	Title	Source	Comment
T2-030126	**LS Reply to OMA on MMBOX**	**Openwave**	**Outgoing reply-LS to T2-030013**

Alan from Openwave presented it.

Discussion:

Conclusion:

Approved

TDoc	Title	Source	Comment
T2-030124	**CR REL-5 on MM1 MMBox View Clarifications**	**Openwave**	**CR to implement T2-030013; mirror REL-6 T2-030125**

Alan from Openwave presented it.

Discussion:

Conclusion:

Approved

TDoc	Title	Source	Comment
T2-030126		**Openwave**	**See also related CR REL-5 (T2-030124) and CR REL-6 (T2-030125)**

Alan from Openwave presented it.

Discussion:

Conclusion:
Approved

Tdoc	Title	Source	Comment
T2-030078	**CR REL-5 on Correcting definition of MM7 Version**	**Comverse**	

Rami from Comverse presented it.

Discussion:

Nokia: there is already the 'namespace' that would help with version handling.

Friedhelm: why having the MM7 version both in the 'namespace' and in the information element 'MM7 Version'?

Nokia: this was a mistake during Stage 2 definition. Would be better to cancel the Information Element.

An offline discussion between Nokia and Comverse brought to the conclusion that Comverse will submit revised CR's for email approval next week (applies also to x79, which is also Noted).

Conclusion:

Noted

Tdoc	Title	Source	Comment
T2-030084	**Reply-LS SERG MM4 DMZ….**	**Nokia**	**response to a SERG LS T2-020849 from T2#19 (Bundang)**

Ville from Nokia presented it.

Discussion:

Conclusion:

Approved

TDoc	Title	Source	Comment
T2-030127	**LS on MMS issues**	**Openwave**	**Response to MMDC LS's T2-030015, x16, x21**

Milt from Openwave presented it.

Discussion:

Conclusion:

Approved

Tdoc	Title	Source	Comment
T2-030128	**LS to 3GPP2 on MMS Harmonisation**	**Openwave**	

Milt from Openwave presented it.

Discussion:

Comverse: 3GPP/3GPP2 harmonisation needed is only MM4 and ENUM address resolution, not MM7 (and MM1).

Openwave: MM7 harmonization is beneficial for the overall VASP MMS market.

Conclusion:

Approved

TDoc	Title	Source	Comment
T2-030136	**LS to T3 on Encoding example of MMS connectivity parameters on (U)SIM.**	**Ericsson**	

Azadeh from Ericsson presented it.

Discussion:

The outcome of the T2/T3 JM will be in time for T#19 (Birmingham).

Vodafone: expressed strong concern about the potential IOP issues that could be raised if the specifications (either 23.140 or 32.102) are not clear enough.

Conclusion:

Approved

MMS REL-6 issues:

MM1

TDoc	Title	Source	Comment
T2-030122	**CR REL-6 on Conditional Usage of the Message-ID in MM1_Retrieve.RES**	**Siemens**	**Mirrors T2-030123 (REL-4) and T2-030121 (REL-5)**

Discussion:

Conclusion:

Approved

MMBox

TDoc	Title	Source	Comment
T2-030125	**CR REL-6 on MM1 MMBox View Clarifications**	**Openwave**	**Mirror x124**

Alan from Openwave presented it.

Discussion:

Conclusion:

Approved

MM4

Tdoc	Title	Source	Comment
T2-030074	**CR REL-6 on Typo in the wording of the MM4_Read_reply_report**	**Ericsson**	**Replaced by T2-030092**

Discussion:

Conclusion:

Rejected

Tdoc	Title	Source	Comment
T2-030092	**CR REL-6 on Typo in the wording of the MM4_Read_reply_report**	**Ericsson**	**Replaces T2-030074**

Discussion:
Some imperfections were found in the cover sheet. To be re-submitted as T2-030131.

Conclusion:

Rejected

Tdoc	Title	Source	Comment
T2-030131	**CR REL-6 on Typo in the wording of the MM4_Read_reply_report**	**Ericsson**	**Replaces T2-030092**

Discussion:

Conclusion:

Approved

TDoc	Title	Source	Comment
T2-030120	**CR REL-6 on Addition of missing field in table K6**	**Ericsson**	**To be replaced by T2-030133**

Michel from Ericsson presented it.

Discussion:

This was originated after T2-030060 (which however was rejected).
Some imperfections were later found in the cover sheet. Thus it had to be re-submitted as T2-030133.

Conclusion:

Rejected

TDoc	Title	Source	Comment
T2-030133	**CR REL-6 on Addition of missing field in table K6**	**Ericsson**	**Replaces T2-030120**

Discussion:

Conclusion:

Approved

TDoc	Title	Source	Comment
T2-030070	**CR REL-6 Addition of MMS Relay identifier to MM1_notification.REQ**	**Comverse**	

Rami from Comverse presented it.

Discussion:

Nokia: the agreed principle is Home MMS R/S, which is broken here. Let's discuss first with SA1.

Openwave: flexibility is OK, but cautious because of impacts on Opco/subscriber relationship.

Logica: To be further discussed.

Comverse: This helps support operators with multiple MMs R/Ss

After the JM with SA1, the decision was to keep it ROLLING.

Conclusion:

Rolling

Tdoc	Title	Source	Comment
T2-030067	**CR REL-5 on MM1 changes to support Third-party pay (in MM7).**	**Huawei Technology, China Mobile**	

Jimmy from China Mobile presented it.

Discussion:

Corresponding Stage 1 requirement was recently approved (ref. T2-030071).

Nokia: are the new IE added to MM1 only for informing the recipient UA or they assume some additional behaviour from the recipient UA?

Huawei: they are only meant to inform the recipient.

China Mobile: there are two CR's concerning 3rd party pays: one from Huawei facing the MM1 aspects; and one from China Mobile facing the MM7 aspects.

The Sender field in MM7_Submit.REQ can refer to the original sender and it already flows through to MM1_Notification.REQ, so the meeting believes that use case is already covered by the current Stage 2.

China Mobile: Charged Party IE is not enough because it does not carry the identity of the sender (who will pay).

- Free Charging Indication field: the meeting agrees that it is not needed because usually recipients does not pay. Instead, it may be useful to inform the recipient only when he is going to pay (VASP originated only).
- Fee Terminal ID: identity of the original sender, who will pay for the message. The meeting believes that this is already covered by the Sender IE in MM1_Notification.REQ.

The idea is valuable and it is mostly supported by the current specs.

Operators are invited to re-submit the CR if they feel it necessary.

Conclusion:

Rejected

Tdoc	Title	Source	Comment

T2-030080	**CR REL-6 New field 'Autofetch' in MMS notification**	**Telefonica, Orange, T-Mobile**	

Juan from Telefonica presented it.

Discussion:

Telefonica: SA Plenary in New Orleans a Stage 1 (22.140) rejected a CR (ref. T2-030071 → x23) supporting a similar requirement.

Nokia: the final decision should be in control of the end user (recipient), rather than of the R/S (operator).

Openwave: rather than increasing R/S control, enhance the network-side filtering mechanisms and leave the end-user to decide.

Comverse and Openwave: after the clarifications emerged during the discussion, they support the CR. The understanding is that the end user is always in control; the 'autofetch' is only a suggestion/information.

Comverse: the meeting should not discuss the requirement in itself), but only the Stage 2 implementation.

Openwave: the network (R/S) can never control the behaviour, except denying service. The network can only provide suggestions that the UA can decide to support or not.

It was left pending and the the discussion was resumed after the JM SA1/SWG3, when it was rejected.

Conclusion:

Rejected

Tdoc	Title	Source	Comment
T2-030062	**CR REL-6 on Updates to 23.140 to support 3rd Party Pays**	**China Mobile**	

Sunny from China Mobile presented it.

Discussion:

Comverse:

- Minor issues on the coversheet
- 'Fee Terminal ID' new IE in MM7_Submit.REQ to become renamed something like 'Charged Party ID'

The meeting agreed:

- that the overall language is not clear enough (Charged Party)
- to allow the VASP-Del Report to go correctly back to the VASP, they are forced to put VASP ID in the Sender Address IE (which today in principle could also carry the original/3rd party sender).

Unfortunately, REL-5 is meant only for single-MMSE (single R/S!) environment. MM7 is not supposed to work across MM4.

Nokia: by using the purposely un-standardised Service Code IE (plus some customisation from their vendors) China Mobile could find a workaround to the problem of 'Delivery Report back to VASP in the 3rd party pay use case'.

Paolo: 1) T2 is urged to work on MM7 extension; 2) don't proceed with dirty tricks, but start an overall, systematic MM7 extension.

Lars: creating a "rolling-CR" is practically the best way forward, to ensure that the issues raised until now by multiple CR's on MM7.

Conclusion of the meeting:

- MM7 for release 6 extension is needed.
- Generate a discussion paper that starts analysing the MM1, MM4 etc. implications of MM7 extension.
- Verify if there is a need for a fifth value in the Charged Party IE.

Conclusion:

Rolling

TDoc	Title	Source	Comment
T2-030061	**CR REL-6 on Mandatory Delivery Report between Originating and Terminating MMS R/S across MM4**	**China Mobile**	

Sunny from China Mobile presented it.

Discussion:

Sunny: the idea is that the T- R/S always sends back the Delivery Report (status) to the O- R/S in order to allow secure charging (e.g. prepaid). The use of this is for those operators that want to charge based on the fact that the MM has been correctly delivered to the recipient.

Comverse: there is a privacy issue if the T-R/S sends always back to O-R/S the DR, independently of the recipient UA settings

There is a need to correctly distinguish between end-user-destined and R/S-detined Delivery Report. So a second type of DR must be specified. A DR is always sent back to the O-R/S. However, the DR will be returned to the sender if and only if two conditions apply: 1) the Recipient has not denied it; AND 2) the Sender has requested it.

Nokia: this has to be an optional feature, because not all operators may want to use this feature, that will generate more interconnection traffic. Most operators content themselves with the MM4_Forward.RES. This feature adds more

TIM: they support the feature.

Nokia: this has to be Optional feature, otherwise IOP issues with previous releases may

The meeting agreed:

1) support the principle; China Mobile is invited to come back with a revised CR (T2-030135); if there is time it will be discussed already at this meeting, otherwise it will be postponed
2) optional;
3) workout details for respecting the Recipient privacy

China Mobile to produce revised CR REL-6 T2-030134.

Conclusion:

Noted

Tdoc	Title	Source	Comment
T2-030063	**CR REL-6 on Support of Prepaid**	**China Mobile**	

Sunny from China Mobile presented it.

Discussion:

Ericsson:

Nokia: looks basically the same requirement expressed in T2-030061 (mandatory Delivery Report back to the O-R/S). The only novelty is the refunding in case of unsuccessfully delivery.

Comverse: the standard R/S is not aware of any refunding.

Nokia: prepaid interface is not standardised yet. Wouldn't it be enough to approved the other CR on Mandatory Delivery Report (T2-030061 to be revised on T2-030134)?

Conclusion: combine the essential requirement expressed here (mandatory DR) into the other CR T2-030134 already originated from T2-030061.

Conclusion:

Noted

TDoc	Title	Source	Comment
T2-030135	**Extension of MM4 interface for Delivery Report**	**China Mobile**	

Jimmy from China Mobile presented it.

Discussion:

Nokia and other delegates helped enhancing the text.

Some online editing was performed.

Ville/Nokia proposed the following new text to capture the requirement: "In addition, if an agreement exists between the interconnecting MMS Relay/Servers, the originator MMS Relay/Server may request a delivery report regardless of whether MMS User Agent or VASP requested the delivery report. The recipient MMS Relay/Server may generate a delivery report for each MM received from that specific originator MMS Relay/Server, in case requested by the originator MMS Relay/Server".

Ericsson: rather than changing the existing text – which was meant for a different purpose (i.e. Delivery Report for the sender User Agent) – better to create a separate a sub-section in the textual part to address the specific requirements of the server-to-server Delivery Report.

Nokia: agrees.

Conclusion, the interested companies (possibly including the 23.140 rapporteur) will work together to present a revised CR at the next meeting, consistent with the understanding reached during the discussion.

Conclusion:

Rolling

Tdoc	Title	Source	Comment
T2-030138	**Nokia comments to T2-0300**	**Nokia**	

Discussion:

Comverse supported the Nokia wording. Ericsson suggested a totally separate clause for this.

Conclusion:

Noted

MM2

TDoc	Title	Source	Comment
x20935	**Discussion paper on MM2 interface to MMBox**	**Comverse**	**From T2#19**

Comverse did not present the paper, already presented in Bundang. Just a quick summary of the concept. An email discussion was started. If the concept is endorsed by T2, Comverse will provide CR at the next meeting.

Discussion:

Comverse: the proposal is not to open the interface between Relay and Server, but rather to allow an IMAP-based interconnection between R/S and legacy messaging service, e.g. voice mail.

Nokia: still have the same concerns (IOP, performance) already expressed in Bundang.

Openwave: this overlaps with MM3, which is intended for integration with legacy messaging systems. In any case, the feature should only be optional.

Comverse: not sure if this is MM2 or MM3.

Nokia: why standardising this interface if this is meant only to integrate legacy systems (e.g. email system).

Vodafone: questioned why using IMAP instead of MM3/SMTP?

Comverse: IMAP allows retrieving MM from the MMBox or from some other legacy messaging storage. Instead, SMTP only allows sending messages.

Tim (3) found the idea useful

Nokia and Ericsson object on the utility of this work, which would be a major standardization effort.

Conclusion:

Noted

MM3

TDoc	Title	Source	Comment
T2-020933	**Discussion paper - MMS Email Connectivity MM3 Standardization**	**Comverse**	**From T2#19**

Rami from Comverse presented it.

Discussion:

- 2.1 Sending Messages to Email Recipients: no comment.
- 2.2 Receiving Messages from Email Servers:
- 2.3 Retrieving Messages from Subscribers' Voice Mail/Email Accounts:
- 2.4 Addressing: requested by Comverse to provide a feedback, DoCoMo confirmed that they understand the intention but they do not have specific need for this address translation feature.
- 2.5 Content Adaptation: none except TeliaSonera expressed in favour or against this feature.

Vodafone objected the concept of mixing email and MMS services without first analysing the business implications. SA1 should be involved in the analysis of use cases.

3 (Formerly H3G) supports these ideas , however did not have the resources to follow this in depth.

Conclusion:

Noted

TDoc	Title	Source	Comment
T2-030068	**CR REL-6 Recipient Handling on MM4**	**Ericsson**	

Sam from Ericsson presented it.

Discussion:

Nokia: if MTA are in between two R/S, then it may happen that the MM4_Forward.RES (i.e. SMTP "250 OK" message) is not sent back. This must be taken into account when implementing MM4 interconnection.

Conclusion:

Approved

TDoc	Title	Source	Comment
T2-030075	**CR 23.140 Rel-6: Providing MM7 message related fields on MM4**	**Ericcson**	

Discussion:

Conclusion:

Rejected

IMS Messaging

Tdoc	Title	Source	Comment
T2-030053	**Discussion paper on IMS Messaging**	**Comverse**	**See also T2-030064**

Rami from Comverse presented it.

Discussion:

Comverse:

- Origin: LS from SA2 (T2 – 020842) in T2#19 asking T2 to study the integration of MMS and IMS Messaging.
- Comverse doesn't like that the messaging (service) is defined by the bearer (IMS), but this is the way adopted by SA.
- The SA1 decision was that 22.140 specifies both MMS and IMS Messaging/Deferred Mode. Identical requirements.
- The paper analyses 5 alternative options, recommending #5 (integrated service enabler infrastructure for IMS and MMS messaging).
- 10 options where analysed, reduced to 5 for simplicity.

Michel/Ericsson: how the different Options support sending a deferred-MM to a Group?

Tim/Three: uncomfortable about IMS Messaging, linking the service to the bearer (IMS). IMS Messaging looks like a technology in search of an application…

Comverse: share the same concern, but that was the decision taken at SA1.

Nokia: T2 is not supposed to challenge the SA1 and SA2 decision. And T2 is not asked to comment whether MMS is able to support IM+Group messaging, which – incidentally – all agree cannot be supported by MMS.

Comverse: ok, but with a SIP- based MM1 it would be possible to have IM+Group messaging also on legacy networks (non-IMS).

Conclusion:

Noted

TDoc	Title	Source	Comment
T2-030064	**Proposed reply-LS to SA2 on IMS Messaging/Deferred and MMS**	**Nokia**	**Revised to T2-030137**

Ville from Nokia presented it.

Discussion:

Nokia: position is that Deferred and Immediate messaging are different and separate. MMS cannot support Instant Messaging. MM1 should easily be changed to support only Notification, DR, RR, but not clear yet if also Submit/Retrieve (because of the SIP MESSAGE[1] PDU size limitation, which could be resolved using SIP indirection, i.e. SIP just used to set-up transport session on RTP or HTTP or other.)

Comverse: which Option Nokia looks favourably (among those presented by Comverse)? HOW Nokia sees the integration between the two?

[1] SIP MESSAGE uses the signalling bearer, that's where the size limitation comes from.

Nokia:. MMS and IMS Immediate messaging types are different/separate things and should be kept as different services. However, IMS Deferred Messaging is an evolution from MMS.

Comverse: Nokia's position resembles Option #4 in Comverse papers.

Ericsson: happy with Nokia draft LS, without further comments on the preferred Options. T2 should not take any commitment at this stage.

TTPcom: support Nokia's approach. To send just a confirmation LS at this stage.

Comverse: propose that the interested companies, e.g. Ericsson, Nokia, Comverse and Openwave and TTPCom to have an offline discussion to agree a reply-LS to SA2.

3 companies volunteered to carry out, within T2, an analysis of the relationships between IMS Messaging and MMS.

Nokia will produce a new interim reply-LS (T2-030137).

Conclusion:

Noted

Tdoc	Title	Source	Comment
T2-030137	**reply-LS to SA2 on IMS messaging**	**Nokia**	**See also T2-030053, T2-030064**

Ville from Nokia presented it.

Discussion:

Supported.

Conclusion:

Approved

MM7

TDoc	Title	Source	Comment
T2-030079	**CR REL-6 on Correcting definition of MM7 Version**	**Comverse**	**Mirrors T2-030078**

Discussion:

An offline discussion between Nokia and Comverse brought to the conclusion that Comverse will submit revised CR's for email approval next week (applies also to x78, which is also Noted).

Conclusion:

Noted

MMS REL-6 WID

Tdoc	Title	Source	Comment
T2-030023	**MMS REL-6 WID**		

Discussion:

The purpose is to confirm support of companies of the REL-6, which however is a Closing Plenary (T2 overall) issue.

Following was the result of an informal show of hands:

- Accommodate the needs of IMS Messaging: Nokia, Vodafone, Comverse, and many others.
- MM1: T-Mobile, Telefonica, Ericsson, Comverse, TIM
- MM4: China Mobile, Nokia, Ericsson, Openwave
- Interworking and Transcoding: none
- Enhanced TCN: TIM, Telefonica, T-mobile, TeliaSonera
- Alternative UA capabilities (MM1): Openwave
- User Profile mechanisms: none
- USIM and USAT: Nokia, Vodafone
- Security and Privacy: Openwave, Gemplus
- DRM: Comverse, Ericsson, T-Mobile, Openwave.
- Charging: China Mobile, Ericsson, TeliaSOnera
- External messaging systems: Comverse, Ericsson
- Presence & MMS: Comverse (?)
- MM7: Nokia, Ericsson, Comverse, Openwave,. TeliaSonera, TIM
- Streaming: Comverse, Ericsson
- Addressing (e.g. SIP addressing): Comverse, Erickson, Openwave
- MMBox: Openwave
- Media Type formats: Comverse, Nokia, Openwave
- OTA Provisioning for MMS: none
- Legacy Support: Ericsson

The REL-6 closure is not decided yet; could be end of 2003.

Conclusion:

To be presented to T2 plenary

Joint SA1/SWG3 meeting

Tdoc	Title	Source	Comment
S1-030199	**Report of Joint S1-T2 SWG3 joint meeting on MMS Rel 6 issues (with SWG3 comments)**	**SA1 Chairman**	

The SWG3 temporary chairman presented it.

Discussion:

Some online editing was performed.

Conclusion:

Approved

3GPP/3GPP2 harmonization

After the Joint Meeting with SA1, where the issue of 3GPP/3GPP2 MMS harmonisation was raised, SWG3 had a short discussion on how to progress the MMS harmonisation with 3GPP2.

The consensus was to send an LS to 3GPP2 TSG-N (T2-030128, drafted by Alan from Openwave) asking them:

- to officially report back to 3GPP T2 about the status of the MMS standardisation within 3GPP2;
- to send regularly copies of their draft specs, especially those related to MM3
- to clarify what is the harmonistaion way forward for the benefit of worldwide MMS service IOP

Next meetings

- It was decided yesterday during the JM SA1/SWG3 that there will be a JM SA1/T2 before the next T2.
- A proposal was agreed to have an ad hoc SWG3 plus JM with SA1 in March/April, devoted exclusively to REL-6 issues. If no contributions, it will be cancelled 2-3 weeks before. The issue will be raised tomorrow at the Closing Plenary.
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- Annex A – Complete Document List

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	noted	LS T20 030085 BY ALCATEL
T2-020933	Discussion paper on "MMS Email Connectivity MM3 Standardization"	Comverse	NOTED	
T2-020934	Attached Powerpoint presentation on same topic	Comverse	NOTED	
T2-020935	Discussion Paper on MM2 Interface to MMBox	Comverse	NOTED	
T2-030013	LS from OMA MAG MMDC ON MMBOX	OMA MMDC	NOTED	CR NO 124/125 TBD BY OPENWAVE
T2-030014	LS from OMA TP ON MMS REL-5 STAGE 3	OMA TP	noted	
T2-030015	LS from OMA MAG MMDC on Usage of the Message-ID in the M-Retrieve.conf PDU	OMA MMDC	NOTED	Reflected in CRs for relaese 4 (65) and Release 5 - 57
T2-030016	LS from OMA MAG MMDC on Inclusion of Message Distribution Indicator in the M-Retrieve.conf PDU	OMA MMDC	noted	reflected in cr no 52
T2-030017	LS from SA1 on Having a Single USIM to Authenticate Multiple Devices Simultaneously Using Local Wireless Link	SA1	irrelevant	
T2-030018	LS from SA2: Reply on Reply on Requirement for standardizing a Transcoding interface	SA2	noted	
T2-030019	LS from SA2 on SMS over PS in Iu mode	SA2	noted	
T2-030020	LS from T on MMS parameter storage on the SIM, and inter release ME behaviour	T	noted	
T2-030021	LS from OMA MAG MMDC on New X-Mms-MM-Status-Code --- for action	OMA MMDC	noted	reply ls to oma mmdc asking to remove this from the rel 5 specs

T2-030022	LS from GSMA BARG to SA1 cc T2 on Roaming Awareness --- for presentation	GSMA BARG	noted	
T2-030050	agenda SWG3 Messaging at T2#20	SWG3 Chair	approved	
T2-030051	draft report of SWG3 Messaging at T2#20	SWG3 Chair	SWG3	
T2-030052	CR 23.140 Rel-5 Transferring distribution indicator as part of message retrieval	Comverse	approved	
T2-030053	MMS and IMS messaging Discussion paper	Comverse	noted	
T2-030054	MMS and IMS - PowerPoint Presentation	Comverse	Withdrawn	
T2-030055	CR 23.140 Rel-4 MMS UA behaviour regarding the MMS parameters on the (U)SIM	Gemplus	noted	REPLACED BY 93
T2-030056	Generic Default Values for Information Elements	Siemens	Withdrawn	
T2-030057	CR 23.140 Rel-5: Conditional Usage of the Message-ID in MM1_Retrieve.RES	Siemens	noted	replaced by 121 which was approved
T2-030058	CR 23.140 Rel-5: Typo in the wording of the MM4_Read_reply_report	Ericsson	noted	replaced by 91
T2-030059	withdrawn - CR 23.140 Rel-5: Providing MM7 message related fields on MM3	Ericsson	Withdrawn	
T2-030060	CR 23.140 Rel-5: Providing MM7 message related fields on MM4	Ericsson	rejected	
T2-030061	CR 23.140: enhanced function of delivery report	China Mobile	NOTED	
T2-030062	CR 23.140: third party pay	China Mobile	rolling	
T2-030063	CR 23.140: prepaid MMS user	China Mobile	noted	
T2-030064	Draft LS to SA2 regarding IMS Messaging	Nokia	noted	
T2-030065	CR 23.140 Rel-4: Optional Usage of the Message-ID in MM1_Retrieve.RES	Siemens	noted	REPLACED BY 123
T2-030066	CR 23.140 Rel-5: third party pay	Huawei Technology	Withdrawn	
T2-030067	CR 23.140 Rel-6: third party pay	Huawei Technology	rejected	
T2-030068	CR 23.140 Rel-6: Recipient Handling on MM4 (resubmission of T2-	Ericsson	approved	

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T2-030069	CR 23.140: Addition of MMS Relay identifier (revised in T2-030070)	Comverse	Withdrawn	
T2-030070	CR 23.140: Addition of MMS Relay identifier (revised T2-030069)	Comverse	rolling	
T2-030071	Rel-6 CRs to 22.140 on Multimedia Messaging (all approved by SA#18 except CR023)	SA	noted	
T2-030072	CR 23.140: Clarification of how MMS connectivity information shall be stored on USIM (revised to T2-030076)	Ericsson	Withdrawn	
T2-030073	CR 23.140 Rel-4: Typo in the wording of the MM4_Read_reply_report	Ericsson	noted	renamed as 90
T2-030074	CR 23.140 Rel-6: Typo in the wording of the MM4_Read_reply_report	Ericsson	Withdrawn	
T2-030075	CR 23.140 Rel-6: Providing MM7 message related fields on MM4	Ericsson	REJECTED	
T2-030076	CR 23.140: Clarification of how MMS connectivity information shall be stored on USIM (revised T2-030072)	Ericsson	NOTED	Agreement to hold a joint meeting of T2 and T3
T2-030077	CR 23.140 Rel-5: support of Bcc: field over the MM4	Vodafone	approved	
T2-030078	CR 23.140 Rel-5: MM7 Version definition	Comverse	noted	Comverse to produce new version for Email approval
T2-030079	CR 23.140 Rel-6: MM7 Version definition	Comverse	noted	Comverse to produce new version for Email approval
T2-030080	CR 23.140 Rel-6: Handling of different MMS notifications	Telefonica Moviles, France Telecom, T-Mobile	REJECTED	
T2-030081	Encoding Example for MMS Connectivity Information in the (U)SIM	Siemens	noted	
T2-030082	LS on encoding example for MMS Connectivity information	Siemens	noted	
T2-030083	CR on clarification for the encoding of MMS related information	Siemens	noted	

T2-030084	LS on MM4 interface and DMZ architecture	Nokia	approved	
T2-030085	Codings for storing melodies in the USIM	ALCATEL	approved	
T2-030086	CR 23.041 Rel 4 CB data	IAN HARRIS	approved	
T2-030087	CR 23.041 Rel 5 CB data	IAN HARRIS	approved	
T2-030088	CR 23.041 Rel 6 CB data	IAN HARRIS	approved	
T2-030089	LS to T3 copied to RAN2 on CB data	IAN HARRIS	approved	
T2-030090	CR 23.140 Rel-4: Typo in the wording of the MM4_Read_reply_report	Ericsson	noted	replaced by 129
T2-030091	CR 23.140 Rel-5: Typo in the wording of the MM4_Read_reply_report	Ericsson	noted	replaced by 130
T2-030092	CR 23.140 Rel-6: Typo in the wording of the MM4_Read_reply_report	Ericsson	noted	replaced by 131
T2-030093	CR 23.140 Rel-4 MMS UA behaviour regarding the MMS parameters on the (U)SIM	Vodafone	approved	
T2-030094	CR 23.140 Rel-5 addition of missing fields in table K6	Ericsson	noted	replaced by 132
T2-030120	CR 23.140 Rel-6 addition of missing fields in table K6	Ericsson	noted	replaced by 133
T2-030121	CR 23.140 Rel-5: Conditional Usage of the Message-ID in MM1_Retrieve.RES	Siemens	approved	
T2-030122	CR 23.140 Rel-6: Conditional Usage of the Message-ID in MM1_Retrieve.RES	Siemens	approved	
T2-030123	CR 23.140 Rel-4: Conditional Usage of the Message-ID in MM1_Retrieve.RES	Siemens	approved	
T2-030124	CR 23.140 additional Viewrequst parameters	Openwave	approved	
T2-030125	CR 23.140 additional Viewrequst parameters	Openwave	approved	
T2-030126	LS TO MMDC on rel 5 MMS MMBOX	Openwave	approved	
T2-030127	LS TO MMDC on rel 5 MMS	Openwave	approved	
T2-030128	LS to 3GPP TSG-N and 3GPP-T on MMS harmonization	Openwave	approved	

T2-030129	CR 23.140 Rel-4: MM4_Read_reply_report processing refers to an incorrect message	Ericsson	approved
T2-030130	MM4_Read_reply_report processing refers to an incorrect message	Ericsson	approved
T2-030131	MM4_Read_reply_report processing refers to an incorrect message	Ericsson	approved
T2-030132	CR 23.140 Rel-5 addition of missing fields in table K6	Ericsson	approved
T2-030133	CR 23.140 Rel-6 addition of missing fields in table K6	Ericsson	approved
T2-030134	CR 23.140 Rel-6: Providing MM7 message related fields on MM4	Ericsson	rolling
T2-030135	CR 23.140 Rel-6 Extension of Delivery Report over MM4	China Mobile	rolling
T2-030136	LS on encoding example for MMS Connectivity information	Ericsson	approved
T2-030137	LS to SA2 regarding IMS Messaging	Nokia	approved
T2-030138	CR 23.140 Rel-6 Extension of Delivery Report over MM4 with Nokia's comments	Nokia	noted

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