

# Draft T2#25 Report v 0.2

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**3<sup>rd</sup> Generation Partnership Project (3GPP);  
Technical Specification Group Terminals (TSG-T);  
Working Group 2 Mobile Terminal Services and Capabilities;  
Draft Meeting Report  
T2#25  
Edinburgh, UK, 19-23 April 2004**

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# Contents

1	Opening Plenary .....	3
1.1	Opening of the meeting .....	3
1.2	Approval of the agenda and schedule .....	3
1.3	Notification of IPR Obligations.....	3
1.4	T2 vice chairman elections.....	3
1.5	Report of the last T2 meeting .....	3
1.6	Reports from other groups.....	4
1.7	Registration and allocation of documents.....	4
1.8	Incoming Liaison Statements .....	5
1.9	3GPP Work Plan .....	5
1.10	AOB.....	5
2	SubWorkingGroup Meetings.....	6
3	Closing Plenary .....	6
3.1	Results SWG2 Terminal Interfaces and Capabilities .....	6
3.2	Results SWG3 Messaging.....	7
4	Future meeting schedule.....	8
5	Any Other Business.....	9
6	Close of the Meeting .....	9
Annex A	List of all temporary documents .....	10
Annex B	Outgoing Documents.....	13
B.1	Change Requests submitted to TSG-T#24 .....	13
B.2	Outgoing Liaison Statements.....	13
B.3	Reports/Specifications submitted to TSG-T#24.....	14
B.4	Work Items submitted to TSG-T#24.....	14
B.5	Other docs submitted to TSG-T#24 .....	14
Annex C	List of Participants .....	15
Annex D	Report from SWG2 UE Interfaces and Capabilities .....	17
Annex E	Report from SWG3 Messaging.....	40
Annex F	Report from CN4/T2 SWG2 Joint Meeting on GUP.....	69

**Chairman: Ian HARRIS (RIM)**

**Secretary: Friedhelm RODERMUND (MCC)**

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## 1 Opening Plenary

### 1.1 Opening of the meeting

T2 chairman Ian HARRIS (RIM) opened the meeting. T2 vice-chairman Paul VOSKAR (Nokia) welcomed the delegates to Edinburgh on behalf of the European Friends of 3GPP and gave some information about the meeting arrangements.

### 1.2 Approval of the agenda and schedule

The agenda and schedule was presented in **T2-040162** and agreed.

### 1.3 Notification of IPR Obligations

The chairman made the call for IPRs:

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

The members take note that they are hereby invited:

to investigate in their company whether their company does own IPRs which are, or are likely to become Essential in respect of the work of the Technical Specification Group.

to notify the Director-General, or the Chairman of their **respective** Organizational Partners, of all potential IPRs that their company may own, by means of the IPR Statement and the Licensing declaration forms (e.g. see the ETSI IPR forms <http://webapp.etsi.org/lpr/>).

### 1.4 T2 vice chairman elections

At the last T2 elections Paul VOSKAR was elected as T2 vice-chairman and the second position remained vacant. At this meeting, Nicola VOTE (NTT DoCoMo) stepped forward as a candidate for the T2 vice-chairmanship. There were no other candidates so there was no need for a vote for Vote. Nicola was therefore elected as T2 vice-chairman by acclamation. The T2 chairman expressed his thanks to Nicola for taking on this responsibility and to NTT DoCoMo for supporting her in this position (letter of support in **T2-040224**). He also expressed his satisfaction about creating a better regional balance regarding companies represented within the T2 leadership.

### 1.5 Report of the last T2 meeting

The report of T2#24 , Malaga, 16-20 February 2004 (**T2-040222**) was approved.

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

[ftp://www.3gpp.org/TSG\\_T/WG2\\_Capability/TSMT2\\_24/Report](ftp://www.3gpp.org/TSG_T/WG2_Capability/TSMT2_24/Report)

## 1.6 Reports from other groups

### 1.6.1 Report from TSG T

A summary of issues of T2 interest from the T#23 meeting held in Phoenix, USA, 10-12 March 2004 was presented by Friedhelm RODERMUND in **T2-040164**:

The report was noted.

The draft TSG-T#23 meeting report can be found in **T2-040165**.

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

[ftp://ftp.3gpp.org/TSG\\_T/TSG\\_T/TSMT2\\_23](ftp://ftp.3gpp.org/TSG_T/TSG_T/TSMT2_23)

The specifications updated after T#23 can be found at:

[ftp://www.3gpp.org/Specs/2004\\_03](ftp://www.3gpp.org/Specs/2004_03)

### 1.6.2 Report from TSG SA

A summary of issues of T2 interest from SA#23 meeting held Phoenix, USA, 15-18 March 2004 2003 was presented by Friedhelm RODERMUND in **T2-040164**:

- Paul VOSKAR questioned whether it makes sense to continue working on the definition of the private addressing schemes for MMS as long there are no service requirements elaborated.
- Related to the reported approval of TR 23.976 on "Push Architecture", Randall GRUND (Motorola) pointed out that the push architecture may have some impact on terminals and this might have to be considered either in T2 or TSG-T.
- Prem SOOD (Sharp) suggested that SWG2 will also review T2-040190 TS 23.234 on "3GPP WLAN interworking" since SWG2 had recently some discussions on WLAN aspects.

The report was noted.

The draft TSG-SA#23 meeting report can be found in **T2-040166**.

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

[ftp://ftp.3gpp.org/TSG\\_SA/TSG\\_SA/TSMS\\_23](ftp://ftp.3gpp.org/TSG_SA/TSG_SA/TSMS_23)

### 1.6.3 Report from TSG T2 SWG2

No SWG2 meeting took place since the last T2 meeting.

### 1.6.4 Report from TSG T2 SWG3

No SWG3 meeting took place since the last T2 meeting.

## 1.7 Registration and allocation of documents

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

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

[ftp://www.3gpp.org/TSG\\_T/WG2\\_Capability/TSGT2\\_25\\_Edinburgh/Docs](ftp://www.3gpp.org/TSG_T/WG2_Capability/TSGT2_25_Edinburgh/Docs)

## 1.8 Incoming Liaison Statements

All LSs were assigned to SWGs in advance to the meeting by the T2 secretary as can be seen in the doclist in Annex A. The following LS was treated during the opening plenary:

**T2-040171** contains an LS from CN4 to SA1 cc T2 on call hold requirement for CS multimedia. The LS was noted.

## 1.9 3GPP Work Plan

The latest version of the 3GPP work plan was available in **T2-040167**. Besides listing all the work items including the expected completion date and a progress indication, a lot of other useful information can be found (link to the WID, name of work item rapporteur etc.). The work plan is the main management tool for the 3GPP work program. All WGs are requested by the TSGs to review and update the work plan at each meeting. 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.

**T2-040168** contains the list of TSs and TRs for which T2 is responsible showing the latest versions of these specifications. It was noted that rapporteurs are missing for several specifications. Prem SOOD stressed the importance of this issue regarding the maintenance of specifications. The T2 chairman volunteered to contact some rarely seen rapporteurs from this list to see if they still capable of doing this well-paid job. The document was noted.

**T2-040178** contains a document giving an overview about the content of Rel-99. It contains a high-level description of all 3GPP Release 99 Features.

- The T2 chairman commented that this is a very useful document and thanked MCC for this effort.
- Please contact the T2 secretary in case there are any comments related to T2's work described in the document.

The document was noted.

## 1.10 AOB

**T2-040223** contains a letter from 3GPP PCG to OMA Board on 3GPP cooperation with OMA. Regarding MMS, the 3GPP PCG/OP decided that any transfer of responsibilities from 3GPP to OMA can only take place if OMA aligns their IPR policy.

- The T2 chairman summarized his interpretation that for the time being it does not make much sense investing too much time in preparing any transfer since it is unclear whether a transfer will take place. T2 should continue to work within the current work scope unless otherwise told by its parent body TSG-T.
- Concerns were expressed that the current situation inhibits the risk of forum shopping. To avoid this, a better process of MMS development should be worked out.
- Paul VOSKAR expressed his opinion that the work on transfer preparation should still go ahead in some way as this was the advise T2 got from TSG-T#23. Therefore, T2 should continue with the assumption of transferring the work. Furthermore, he expressed his opinion that this matter was divorced from the discussion on the future structure of T2.
- The T2 secretary reminded that 3GPP and OMA have responsibility for certain MMS documents. Keeping this in mind should help as a guideline where to do which part of the work although there are some areas where the split of responsibilities is not fully clear.

The document was noted. The T2 chairman concluded that given the current situation it might not be wise spending too much time on MMS transfer preparations therefore he suggested to temporarily postpone any work on the transfer of work until the situation is clarified by TSG-T.

**T2-040202** contains a document from NTT DoCoMo on the future of T2 and a proposed way forward. The document was presented by Nicola VOTE who reported that three more companies supported this document: NEC, PMC, Sharp. It is proposed that the working practices of T2 are minimized after Release 6 to a parent WG (T2) that conducts email discussions and an email approval process, and the current Chair/Vice-Chair management structure is maintained. Nicola reminded that the document was written before the PCG decision was made to set the MMS transfer on halt for the time being.

- Several companies expressed support for the idea of abandoning the SWG structure and have only one T2 meeting without parallel sessions.
- Randall GRUND emphasized his preference of transferring the work instead of doing work on T2 email lists. As a first step, he suggested to move the inactive specifications to TSG-T already now or soon to limit the virtual work to AT commands, SMS and MMS. Nicola VOTE replied that it should be first decided what to do with active specifications in case any change in handling these is required. What to do with the inactive specifications would follow naturally. The T2 secretary expressed his doubts whether TSG-T would be willing to take on inactive specifications as long T2 exists because TSGs normally prefer that technical specifications remain under the responsibility of the WGs as long suitable WGs exist. Of course, transferring specification to TSG-T would be an option in case T2 closes.
- It was proposed to transfer the GUP work to CN4 and close SWG2. Kurt BISCHINGER (T-Mobile) pointed out that the discussion about transferring the GUP work should also consider whether some parts of the work should be moved into SA2.

The document was noted. It was agreed to close SWG2 and SWG3 and to have future T2 meetings in plenary style. The agenda could be structured in a way that the first day deals with non-MMS topics and that MMS is starting on the second meeting day. Furthermore, it was also agreed to move the GUP work out of T2. The CN4/SWG2 joint meeting which took place on Tuesday was tasked to discuss to work towards a transfer. SA2 should also be involved in the discussion.

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## 2 SubWorkingGroup Meetings

Between T2 opening and closing plenary, two sub group sessions (SWG2, SWG3) and one joint meeting (CN4/T2 SWG2) were held. The reports can be found in Annexes D-F. The results may have been changed and amended during the closing plenary. The final results of the T2#25 meeting are reported in the following clauses.

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## 3 Closing Plenary

### 3.1 Results SWG2 Terminal Interfaces and Capabilities

The SWG2 report in **T2-040181** was presented by Prem SOOD (Sharp). The report can be found in Annex D.

Topics discussed at this meeting included Generic User Profiles and AT commands. The CR on Logical Channel support from Axalto was not approved because of objections from Ericsson and Nokia based on security and other technical impacts. An LS on this topic was created in T2-040230 (see below).

A Joint Meeting with CN4 was held on April 20<sup>th</sup> and the report in **T2-040183** can be found in Annex F. CN4 were informed that T2 has decided to close SWG2 and would like to transfer TS 23.241 and TS 24.241 to another WG. CN4 are planning to discuss this topic at their next meeting. An LS on this topic was created in T2-040231 (see below).

### 3.2.1 Change requests

**T2-040197** contains a CR to 23.241 Rel-6 on the correction of naming of structural main parts. The CR changes “attribute” to “Data Element” in the description of structural main parts in clause 5. The CR was agreed as cat F.

**T2-040229** contains a CR to 27.007 updating error codes description to support UICC. A note is added to indicate that the term SIM should also be interpreted as UICC from REL 6 onwards. The work item code was missing. The CR was agreed.

### 3.2.2 Outgoing Liaison Statements

**T2-040231** contains an LS to SA2, CN4 cc TSG-T on Transfer of T2 GUP TSs. T2 requests SA2 and CN4 to consider which would be the best WG to assume responsibility for the T2 GUP work. This LS was already agreed Wednesday and sent to the ongoing SA2 meeting.

**T2-040230** contains an LS to SA3 cc T3 on potential security issues relating to use of AT Commands to access UICC. Nigel BARNES reported that a security check of 07.07/27.007 was already performed by SMG10/SA3 some time ago. The LS was agreed.

### 3.2.3 Other documents

None.

## 3.2 Results SWG3 Messaging

The report of SWG3 was presented in **T2-040252** by Friedhelm RODERMUND. It was revised with two minor changes to **T2-040253** and can be found in Annex E.

The SWG3 sessions at T2#25 were attended by 22 delegates. All in all 54 tdocs were processed. The actions from TSG#23 on clarification on recipient list, use of short codes, and WLAN interworking were fulfilled. The concept of Enhanced Voice Mail Notification was introduced into SMS. Working assumptions were elaborated and agreed on Application ID (**T2-040241**, **T2-040242**), MMS as IMS Deferred Messaging (**T2-040244**), and MM4 bundling (**T2-040248**). Areas of concern on the work on Private Addressing Scheme were identified and the revised proposal to be created will try to address these. It was felt that completion of the analysis on multiple-MMS R/S architecture is required before any proposed CRs related to this topic can be agreed. Several corrections were agreed.

Having survived two fire alarms during the week SWG3 is now well prepared for facing the challenges of finalising REL-6 in time ;-)

### 3.2.1 Change requests

#### SMS:

**T2-040238** contains an CR to 23.040 Rel-6 on Enhanced Voice Mail Notification. One new IEI value is defined together with a number of sub parameters that convey more detailed information concerning Voice Mail box status and individual Voice mail messages. The CR was agreed.

**T2-040245** contains an CR to 23.040 REL-6 on the optional IEI statement. A clear statement is added that support for all IEIs is optional unless otherwise stated. The CR was agreed.

#### MMS:

**T2-040195** contains a CR to 23.140 REL-6 on the addition of recipient list to MM4\_Forward.RES. The CR proposes to add a new element to the MM4 interface supporting identification of individual recipients. The CR was revised to **T2-040258** adding affected specifications and changing to a more meaningful title (which is really helpful when tracing CRs). The CR was agreed.

**T2-040199** contains a CR to 23.140 REL-6 correcting "X-Mms-Read-Status" erroneous mapping on Annex I. The CR was revised to **T2-040257** making corrections to the cover sheet and then agreed.

**T2-040236** contains a CR to 23.140 REL-5 changing erroneous OMA references from MMS1.1 to MMS1.2. The CR was agreed.

**T2-040237** contains a CR to 23.140 REL-6 changing erroneous OMA references from MMS1.1 to MMS1.2. The CR was agreed.

**T2-040247** contains a CR to 23.140 REL-6 on MM7 delivery conditions for MMS. This change allows a VASP to introduce a delivery condition in the MM7\_Submit.REQ. If the MMSC detects that the condition is not met the MM will be discarded and a delivery report with the appropriate outcome is returned to the VASP. The CR was revised to **T2-040260** making the upper/lower case spelling of "delivery condition" consistent. The CR was agreed.

**T2-040243** contains a CR to 23.140 REL-6 on the size indication by MMS User Agent. The optional application layer functionality to present an approximate MM Size is replaced by the optional application layer functionality to present the exact MM Size prior to MM submission. The CR was agreed.

### 3.2.2 Outgoing Liaison Statements

**T2-040239** contains a reply to CEPT ECC consultation on the use of short codes for SMS, MMS and USSD. T2 has studied the CEPT ECC document and has several comments. It's T2's opinion that it is highly unlikely that international agreement on short codes would ever be achieved since short codes are already in widespread use and in many cases network operators have chosen specific short code numbers for their own marketing reasons. The LS was agreed as **T2-040254** with minor corrections.

**T2-040240** contains a reply-LS to SA2 cc SA, T on TS 23.234 3GPP/WLAN Interworking. With regard to the SMS parts, T2 feel that the content is satisfactory. With regard to MMS, T2 has found no specific mention of MMS or MMS Delivery and therefore cannot comment on whether there is sufficient information or not. The LS was agreed as **T2-040255** with minor corrections.

**T2-040249** contains an LS to SA5, GSMA BARG cc GSMA MMS Task Force on multiple recipients. The LS proposes a solution to the MM4 bundling functionality which is still lacking satisfactory error handling and charging capabilities. The LS was revised to **T2-040256** adding the GSMA MMS Task Force in the cc field. The LS was revised later updating the tdoc number of the revised attached CR. The LS was agreed as **T2-040259**.

### 3.2.3 Other documents

None.

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## 4 Future meeting schedule

**T2-040170** was presented which contains the lists of future T2 meetings. Please find the future meeting dates below:

Meeting	Date	Location	Host
T#24	2 - 4 Jun 2004	Korea	
<b>T2#26</b>	23 – 27 Aug 2004	Montreal, Canada	North American Friends of 3GPP
T#25	8 - 10 Sep 2004	Palm Springs, US	
<b>T2#27</b>	8-12 Nov 2004		host needed
T#26	13 - 16 Dec 2004	Athens, Greece	European Friends of 3GPP



For the complete 3GPP on-line meeting calendar see <http://www.3gpp.org>. It was available at this meeting in **T2-040169**.

Companies are invited to consider hosting future T2 meetings.

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## 5 Any Other Business

The T2 secretary proposed to close all T2 SWG email lists since T2 has decided to change to a one-group structure. This was agreed. The T2 secretary will send out notifications to the SWG lists before shutting them down. It was agreed to use the topic of the email in the subject line in square brackets.

Nicola VOTE asked delegates to keep her document **T2-040202** in mind for any discussion on the future of T2.

The T2 chairman outlined the new structure of the agenda for future T2 meetings. Monday morning will start with a opening plenary followed by discussions on non-MMS matters for the rest of Monday. From Tuesday to Friday MMS matters will be discussed. No closing plenary would be required since all output docs can be agreed immediately. It was discussed whether a sanity check for output docs would be required on Friday. This could be done if felt necessary but might not be required.

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## 6 Close of the Meeting

T2 chairman Ian HARRIS thanked all delegates and the SWG3 chairman and Prem Sood as acting SWG2 chairmen for their contributions and work at this meeting. He thanked the European Friends of 3GPP for hosting the meeting and for providing the excellent facilities. He also expressed his thanks to the T2 secretary. Special thanks were expressed again to Nigel who kindly provided local drinks to chairman and secretary during the closing plenary to keep them in good spirit. The chairman closed the meeting at 18:30 on Thursday.

## Annex A List of all temporary documents

TDOC	Subject	Source	SWG
T2-040161	Draft Meeting Report T2#24, Malaga, 16-20 February 2004	TB Officer	OP
T2-040162	Draft Agenda T2#25, Edinburgh	WG Chairman	OP
T2-040163	not used		OP
T2-040164	Summary of T#23 and SA#23 issues of T2 interest	TB Officer	OP
T2-040165	Draft Report of TSG-T meeting #23, Phoenix	TB Officer	CP
T2-040166	Draft Report of TSG SA meeting #23, Phoenix	TB Officer	OP
T2-040167	3GPP work plan	TB Officer	OP
T2-040168	T2 spec status list	TB Officer	OP
T2-040169	3GPP meeting calendar	TB Officer	OP
T2-040170	T2 future meetings (will be produced after the end of the SWG sessions)	TB Officer	OP
T2-040171	LS from CN4 on call hold requirement for CS multimedia	N4-040245	OP
T2-040172	LS from CN4 on Relationship between 3GPP and Liberty Alliance related to GUP work	N4-040262	SWG2
T2-040173	LS from CN4 on identifying MMS Enabled devices and MMS Capabilities of those devices	N4-040353	SWG3
T2-040174	LS from OMA-MWG-MMSG on Target UE Elements in MMS	OMA-MWG-2004-0020	SWG3
T2-040175	LS from TSG-T on MMS as a Bearer for USAT	TP-040060	SWG3
T2-040176	LS from OMA-MWG about capturing network-independent MMS requirements in OMA	OMA-MWG-2004-0019	SWG3
T2-040177	LS from 3GPP2 TSG-X on MMS transfer to OMA	3GPP2 TSG-X	SWG3
T2-040178	Release 99 overview document	MCC	OP
T2-040179	CEPT/ECC consultation on use of short codes	CEPT/ECC	SWG3
T2-040180	SWG2#24 Meeting Agenda	SWG2 Chairman pro tem	SWG2
T2-040181	SWG2#24 Meeting Report	SWG2 Chairman pro tem	SWG2
T2-040182	JM T2SWG2-CN4 on GUP Agenda	Co Chair	JM T2SWG2-CN4
T2-040183	JM T2SWG2-CN4 on GUP Report	T2 secretary	JM T2SWG2-CN4
T2-040184	TS24.241 Status and General Description	TB Officer	JM T2SWG2-CN4
T2-040185	TS24.241 Coordination Items	Rapporteur	JM T2SWG2-CN4
T2-040186	TS 23.241 Status and General Description	Rapporteur	JM T2SWG2-CN4
T2-040187	TS 23.241 Coordination Items	Rapporteur	JM T2SWG2-CN4
T2-040188	SIP URL in MMS addressing	Nokia Corporation	SWG3
T2-040189	Compatibility in using MMS to transport application data	Nokia Corporation	SWG3
T2-040190	TS 23.234 3GPP/WLAN Interworking	TSG-SA	SWG2/SWG3
T2-040191	Support of logical channels in AT commands in 27007v6.4.0	Axalto	SWG2
T2-040192	CR 23.040 Rel-6 Enhanced Voice Mail Notification	RIM	SWG3

T2-040193	LS from T3 on the addition of AT commands to 27.007	T3-040211	SWG2
T2-040194	TS 24.241 v0.5.1 baseline	Interim Rapporteur	SWG2
T2-040195	CR 23.140 MM4 Multiple Recipients	Nokia Corporation	SWG3
T2-040196	MM4 Partial addressing failure	Nokia Corporation	SWG3
T2-040197	CR 23.241 Rel-6: Correction of naming of structural main parts	T-Mobile	SWG2
T2-040198	Application ID, Minutes of "meeting" of the conference call held 2004/03/24	Ericsson	SWG3
T2-040199	Correcting "X-Mms-Read-Status" erroneous mapping on Annex I	Ericsson	SWG3
T2-040200	Changing erroneous OMA references from MMS1.1 to MMS1.2	Ericsson	SWG3
T2-040201	Support of the generic OMA Application ID	Ericsson	SWG3
T2-040202	Future of T2 Proposed Way Forward	NTT DoCoMo Inc	OP
T2-040203	Application-Data in MMS	Ericsson	SWG3
T2-040204	Support of the SIP URL as a valid MMS address.	Ericsson	SWG3
T2-040205	Multi MMS Relay Servers	Ericsson	SWG3
T2-040206	Application ID Change Request	Motorola	SWG3
T2-040207	IMS Deferred Messaging Support for MMS	Motorola	SWG3
T2-040208	MM7 Roaming Indication	Nokia Corporation	SWG3
T2-040209	MM7 delivery conditions for MMS	T-Mobile, Orange	SWG3
T2-040210	Messaging Service Control Function, Use Cases	T-Mobile	SWG3
T2-040211	Support of Messaging Service Control Function (MSCF)	T-Mobile	SWG3
T2-040212	Ericsson comments to Nokia's "MM4 Multiple recipients" CR (T2-040195)	Ericsson	SWG3
T2-040213	Addition of status text in the MM1_delivery_Report.Req message	China mobile, Comverse	SWG3
T2-040214	Addition of MMS Relay/Server address in MM1 notification message	Chinamobile	SWG3
T2-040215	Addition of reply-charging limitation in MM4_forward.REQ message	Chinamobile	SWG3
T2-040216	Nokia comments to Ericsson T2-040212	Nokia Corporation	SWG3
T2-040217	SWG3 Agenda	Infineon	SWG3
T2-040218	Use case for Reply-to-Application-ID	Infineon	SWG3
T2-040219	Status of MMS support for Application Addressing as of 2004-04-02	Infineon	SWG3
T2-040220	MMS as IMS Deferred Messaging Discussion	Motorola	SWG3
T2-040221	Questions on Application ID	Motorola	SWG3
T2-040222	Draft Meeting Report T2#24, Malaga, 16-20 February 2004	TB Officer	OP
T2-040223	3GPP cooperation with OMA	TSG-T chairman	OP
T2-040224	Letter of Commitment for the NTTDoCoMo candidate for Vice Chair of 3GPP TSG-T2	NTTDoCoMo	OP
T2-040225	TS 23.241 Status and General Description - 186 re-formatted	Rapporteur	SWG2
T2-040226	TS 23.241 Coordination Items - 187 reformatted	Rapporteur	SWG2
T2-040227	ASN.1 for XML Schema language	Orange	SWG2
T2-040228	Update of 191 - Support of logical channels in AT commands in 27.007v6.4.0 less section 9.2	Axalto	SWG2
T2-040229	CR 27.007 Rel-6: Updating error codes description to support UICC	Axalto	SWG2
T2-040230	LS to SA3 cc T3 on Potential Security issues relating to use of AT Commands to access UICC	Axalto	SWG2
T2-040231	LS to SA2, CN4 cc TSG-T on Transfer of T2 GUP TS's	SWG2 Chair	SWG2
T2-040232	not used		SWG2
T2-040233	not used		SWG2
T2-040234	not used		SWG2
T2-040235	22.140 CRs approved by SA#23	T2 secretary	SWG3
T2-040236	CR 23140 REL-5 Changing erroneous OMA references from MMS1.1 to MMS1.2	Ericsson	SWG3
T2-040237	CR 23140 REL-6 Changing erroneous OMA references from MMS1.1 to MMS1.2	Ericsson	SWG3
T2-040238	CR 23.040 Rel-6 Enhanced Voice Mail Notification	RIM	SWG3
T2-040239	Reply to CEPT/ECC consultation on use of short codes	RIM	SWG3

T2-040240	Reply-LS to SA2 cc SA on TS 23.234 3GPP/WLAN Interworking	RIM	SWG3
T2-040241	SWG3 working assumptions on Application ID	SWG3	SWG3
T2-040242	Additional SWG3 working assumptions on MMS support for Application Addressing	SWG3	SWG3
T2-040243	CR 23140 REL-6 Size Indication By MMS User Agent	T-Mobile, Orange, TeliaSonera	SWG3
T2-040244	SWG3 working assumptions on MMS as IMS deferred messaging in REL-6	SWG3	SWG3
T2-040245	CR 23040 REL-6 optional IEI statement	RIM	SWG3
T2-040246	CR 23140 REL-6 Support for multiple and single recipients on MM4	Nokia Corporation	SWG3
T2-040247	CR 23140 REL-6 MM7 delivery conditions for MMS	T-Mobile, Orange	SWG3
T2-040248	SWG3 working assumption on MM4 unbundling	SWG3	SWG3
T2-040249	LS to SA5 and GSMA on MM4 unbundling	Nokia Corporation	SWG3
T2-040250	Color-doded CR 23140 REL-6 Support of Messaging Service Control Function (MSCF) highlighting concerned areas	T-Mobile	SWG3
T2-040251	CR 23.140 Rel-6 Clarification of recipient list	T-Mobile	SWG3
T2-040252	SWG3 report at T2#25	SWG3 chairman	SWG3
T2-040253	SWG3 report at T2#25 (revised T2-040252)	SWG3 chairman	SWG3
T2-040254	LS to TSG-T on Short Codes for SMS,MMS and USSD (revised T2-040239)	T2	SWG3
T2-040255	LS to SA2 cc SA, T on 3GPP/WLAN Interworking (revised T2-040240)	T2	SWG3
T2-040256	LS to SA5 and GSMA on MM4 unbundling (revised T2-040249)	SWG3	SWG3
T2-040257	CR 23.140 Rel-6: Correcting "X-Mms-Read-Status" erroneous mapping on Annex I (revised T2-040199)	SWG3	SWG3
T2-040258	CR 23.140 Rel-6: MM4 Multiple Recipients (revised T2-040195)	SWG3	SWG3
T2-040259	LS to SA5, GSMA BARG cc GSMA MMS Task Force on MM4 unbundling (revised T2-040256)	SWG3	SWG3
T2-040260	CR 23140 REL-6 MM7 delivery conditions for MMS (revised T2-040247)	SWG3	SWG3
T2-040261	LS to CN1, SA2 on resolution of SIP-based address	T2 (Josef)	SWG3

## Annex B Outgoing Documents

### B.1 Change Requests submitted to TSG-T#24

The following CRs will be submitted to TSG-T#24 for approval:

#### "AT commands" Change Request

Spec	CR	Rev	Rel	Subject	Cat	Vers-Current	Vers-New	Doc-2nd-Level	Workitem
27.007	116	-	Rel-6	Updating error codes description to support UICC	C	6.4.0	6.5.0	T2-040229	TEI6

#### "GUP" Change Request

Spec	CR	Rev	Rel	Subject	Cat	Vers-Current	Vers-New	Doc-2nd-Level	Workitem
23.241	001	-	Rel-6	Correction of naming of structural main parts	D	6.0.0	6.1.0	T2-040197	GUP

#### "MMS" Change Requests

Spec	CR	Rev	Rel	Subject	Cat	Vers-Current	Vers-New	Doc-2nd-Level	Workitem
23.140	158	-	Rel-6	Addition of recipient list to MM4_Forward.RES	B	6.5.0	6.6.0	T2-040258	MMS6
23.140	159	-	Rel-6	Correcting "X-Mms-Read-Status" erroneous mapping on Annex I	F	6.5.0	6.6.0	T2-040257	MMS6
23.140	160	-	Rel-5	Changing erroneous OMA references from MMS1.1 to MMS1.2	F	5.10.0	5.11.0	T2-040236	MMS5-MMS
23.140	161	-	Rel-6	Changing erroneous OMA references from MMS1.1 to MMS1.2	F	6.5.0	6.6.0	T2-040237	MMS6
23.140	162	-	Rel-6	MM7 delivery conditions for MMS	B	6.5.0	6.6.0	T2-040260	MMS6
23.140	163	-	Rel-6	Size indication by MMS UA	C	6.5.0	6.6.0	T2-040243	MMS6

#### "SMS" Change Requests

Spec	CR	Rev	Rel	Subject	Cat	Vers-Current	Vers-New	Doc-2nd-Level	Workitem
23.040	072	-	Rel-6	Enhanced Voice Mail Information	B	6.3.0	6.4.0	T2-040238	TEI6
23.040	073	-	Rel-6	Optional IEI's	F	6.3.0	6.4.0	T2-040245	TEI6

### B.2 Outgoing Liaison Statements

The following LSs were sent from T2#25:

TDOC	Subject	Comments
T2-040230	LS to SA3 cc T3 on Potential Security issues relating to use of AT Commands to access UICC	sent 22/04/2004
T2-040231	LS to SA2, CN4 cc TSG-T on Transfer of T2 GUP TS's	sent 21/04/2004
T2-040254	LS to TSG-T on Short Codes for SMS,MMS and USSD	sent 22/04/2004
T2-040255	LS to SA2 cc SA, T on 3GPP/WLAN Interworking	sent 22/04/2004
T2-040259	LS to SA5, GSMA BARG cc GSMA MMS Task Force on MM4 unbundling	sent 22/04/2004
T2-040261	LS to CN1, SA2 on resolution of SIP-based address	e-discussion 26-30 April followed by e-approval 3-7 May

**B.3 Reports/Specifications submitted to TSG-T#24**

None.

**B.4 Work Items submitted to TSG-T#24**

None.

**B.5 Other docs submitted to TSG-T#24**

None.

## Annex C List of Participants

Name	Organization represented	Status/Partner	Country	Telephone	e-mail
Mr. Nigel Barnes	MOTOROLA Ltd	3GPPMEMBER (ETSI)	GB	+44 1 256 790 169	Nigel.Barnes@motorola.com
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Mr. Kurt Bischinger	T-Mobile AUSTRIA	3GPPMEMBER (ETSI)	AT	+43 1 79 585 6972	kurt.bischinger@t-mobile.at
Ms. Jia yue Chang	China Mobile Com. Corporation	3GPPMEMBER (CCSA)	CN	+86 10 66006688-3	changjiayue@chinamobile.com
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Mr. Michael Rooke	NOKIA Corporation	3GPPMEMBER (ETSI)	FI	358 407 335 163	michael.rooke@nokia.com
Mr. Prem Sood	SHARP Corporation	3GPPMEMBER (ARIB)	US	13 608 348 708	pls@sharplabs.com
Mr. Jie Sun	China Mobile Com. Corporation	3GPPMEMBER (CCSA)	CN	861 063 600 153	sunjie@chinamobile.com
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Mr. Paul Voskar	NOKIA UK Ltd	3GPPMEMBER (ETSI)	GB	441 252 867 430	paul.voskar@nokia.com
Ms. Nicola Vote	NTT DoCoMo Inc.	3GPPMEMBER (ARIB)	JP	+81 468 40 6062	nicola@cet.yrp.nttdocomo.co.jp
Mr. Tak Wing Wan	Rogers Wireless Inc.	3GPPMEMBER (ATIS)	CA	14 169 356 029	takwing.wan@rci.rogers.com
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**Total number of delegates: 25**



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## Annex D Report from SWG2 UE Interfaces and Capabilities

**T2-040181**

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### ES Executive Summary

Topics discussed at this meeting included, Generic User Profiles, AT commands, various Liaison Statements and other logistics for this week's joint meeting, and meeting procedures.

#### **General:**

At the T2 Opening Plenary a decision was made to close SWG2 after this week's meeting, and carry on the work under T2.

The meeting was opened by Mr. Prem Sood (Sharp) as Chairman Pro Tem on 3:00 pm, 19<sup>th</sup> April 2004, and the delegates were welcomed to this meeting.

The Chair Pro Tem volunteered for the secretary duties for the meeting.

The proposed Agenda of the meeting in Draft 2 of T2-040180 was approved.

#### **AT Commands –**

An LS was received from T3 on a CR to 27.007 REL 6, T2-040193.

A CR on Logical Channel support was presented by Axalto, T2-040191. As a result to f the discussion, an LS to SA3 was approved, T2-040230. A CR for part of 191 was approved in T2-040229, and is presented for approval. The rest of 191 was updated in T2-040228 but not approved. However, 228 was approved for attaching to the LS in 230

#### **Generic User Profiles –**

A Joint Meeting with CN4 was held on April 20<sup>th</sup>, and the Report is in T2-040183. The input documents from SWG2 for the Joint Meeting with CN4 were reviewed.

CN4 were informed that T2 has decided to close SWG2 and would like to transfer TS23.241 and TS24.241 to another WG. CN4 are planning to discuss this tipci at heir netx meeting.

1 outgoing LS, T2-040231 arising out of the Joint meeting discussions was approved and is presented to T2 for Approval.

One CR to 23.241 were reviewed and is presented to T2 for Approval, T2-040197.

**Future Meetings:**

None. SWG2 is closed.

**Other Items Executive Summary from SWG2 meeting -**

None

**Output Change Requests –**

<b>TDoc</b>	<b>Title</b>	<b>Source</b>	<b>Comment</b>
T2-040197	CR 23.241 Rel-6: Correction of naming of structural main parts	T-Mobile	
T2-040229	Section 9.2 changes from 191	Axalto	

**Output Liaison Statements –**

<b>TDoc</b>	<b>Title</b>	<b>Source</b>	<b>Comment</b>
T2-040230	LS to SA3 on AT Commands 27.007 Security	Axalto	
T2-040231	LS to SA2, CN4 on Transfer of T2 GUP TS's	SWG2 Chair	

**Other Documents for T2 Approval–**

<b>TDoc No.</b>	<b>Title</b>	<b>Source</b>	<b>Commenst</b>
T2-040183	REPORT - JM T2SWG2-CN4 on GUP	SWG2 Chair	

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## ES Detailed Report

### **1. Opening of the meeting**

The Chair Pro Tem, Prem Sood, Sharp, opened the meeting at 3.00 pm on Monday, 19<sup>th</sup> April 2004, and the delegates were welcomed to this meeting.

The Chair welcomed everyone to Edinburgh UK, and thanked the European Friends of 3GPP for hosting the meeting.

The Chair volunteered to share the secretary duties for the meeting.

13 delegates attended the meeting.

The Meeting closed at 11.25 am on Thursday April 22.

### **1.1. Approval of the proposed Agenda**

#### **Document – T2-040181**

<b>TDoc No.</b>	<b>Title</b>	<b>Source</b>	<b>Status</b>
T2-040181	Draft 2 SWG2 meeting agenda	SWG2 Chair	<b>Approved</b>

#### **Presented by –**

Chairman.

#### **Resolution –**

The draft 2 of the agenda was approved.

### **1.2. Co-Located Joint and Dedicated Meetings Schedule**

JM with CN4 is scheduled for Tuesday April 20<sup>th</sup>.

### **1.3. Future Joint and Dedicated Meetings Schedule**

None. SWG2 is closed after this meeting

Meeting	Date	Venue	Comment

### **1.4. Review of previous Action Points**

Tdoc Draft1 T2-040181

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
22-2 - Review SA3 specs on GUP	All SWG2	#23	Members to review. Pending to #24
24.1 – Re 24.241, Consider best way forward, such as propose changes	P. Voskar	#25	Pending a decision to transfer to a WG
24.2 – 2 week review of PCCA connection type UMTS-GPRS, send response	P. Sood	#25	Done, email decision -defer to SWG2#25

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**

### **2 Items for immediate discussion.**

Joint Meeting with CN4 on Tuesday April 20th

The following items were discussed

Preparation for the JM with CN4 on April 21

Agenda

SWG2 Presentation of TS's

**Tdocs 182, 184, 185, 186, 187, 225, 226**

**Document – T2-040182**

<b>TDoc No.</b>	<b>Title</b>	<b>Source</b>	<b>Status</b>
T2-040182	JM T2SWG2-CN4 on GUP Agenda	Co Chair	reviewed

**Presented by –**

Prem Sood

**Discussion –**

Draft 3 was reviewed.

**Resolution –**

Reviewed

**Document – T2-040186>225**

<b>TDoc No.</b>	<b>Title</b>	<b>Source</b>	<b>Status</b>
T2-040225	TS 23.241 Status and General Description	Rapporteur	reviewed

**Presented by –**

Kurt Bischinger

**Discussion –**

Reviewed, formatting in 225

**Resolution –**

Reviewed

3GPP

**Document – T2-040187>226**

<b>TDoc No.</b>	<b>Title</b>	<b>Source</b>	<b>Status</b>
T2-040226	TS 23.241 Coordination Items – 187 reformatted	Rapporteur	reviewed

**Presented by –**

Kurt Bischinger

**Discussion –**

Reviewed, formatting in 226

**Resolution –**

Reviewed

**Document – T2-040184**

<b>TDoc No.</b>	<b>Title</b>	<b>Source</b>	<b>Status</b>
T2-040184	TS24.241 Status and General Description	Interim Rapporteur	Reviewed

**Presented by –**

Prem Sood

**Discussion –**

Reviewed

**Resolution –**

Reviewed

**Document – T2-040185**

<b>TDoc No.</b>	<b>Title</b>	<b>Source</b>	<b>Status</b>
T2-040185	TS24.241 Status and General Description	Interim Rapporteur	Reviewed

**Presented by –**

Prem Sood

**Discussion –**

Reviewed

**Resolution –**

Reviewed

**3.1 SWG2 Ongoing Work on GUP, DDM, CO**

Tdocs 231, 183, TP-040051, 194, 172, 197,

**Document – T2-040231**

<b>TDoc No.</b>	<b>Title</b>	<b>Source</b>	<b>Status</b>
T2-040231	LS to SA2, CN4 on Transfer of T2 GUP TS's	SWG2 Chair	Approved for Output to T2. Approved by T2 April 21

**Presented by –**

Prem Sood

**Discussion –**

Modifications of drafts,. Draft 2 was agreed by SWG2. T2 approved via Special Plenary on Wednesday April 21, and the LS was authorized to be sent immediately to SA2

**Resolution –**

3GPP

Approved for Output to T2. Approved by T2 April 21

**Document – T2-040183**

<b>TDoc No.</b>	<b>Title</b>	<b>Source</b>	<b>Status</b>
T2-040183	JM T2SWG2-CN4 on GUP REPORT	SWG2 Chair	Output to T2

**Presented by –**

Prem Sood

**Discussion –**

For Information

**Resolution –**

Output to T2

**Document – TP-040051**

<b>TDoc No.</b>	<b>Title</b>	<b>Source</b>	<b>Status</b>
TP-040051	TS23.241v6.0.0	SWG2 Chair	For Informa

**Presented by –**

Prem Sood

**Discussion –**

**Resolution –**

Presented for Information

**Document – T2-040194**



TDoc No.	Title	Source	Status
T2-040194	TS24.241 v0.5.1 baseline	Interim Rapporteur	Approved as new baselin

**Presented by –**

Prem Sood

**Discussion –****Resolution –**

Approved as new baseline

**Document – T2-040172**

TDoc No.	Title	Source	Status
T2-040172	LS from CN4 on Relationship between 3GPP and Liberty Alliance related to GUP work	N4-040262	Noted

**Presented by –**

Prem

**Discussion –**

There was contact between CN Chair and Liberty Alliance, a number of decisions were taken – members are encouraged to participate in both. CN4 is reviewing the decisions vis-à-vis their future work.

**Resolution –**

Noted

**Document – T2-040197**

TDoc No.	Title	Source	Status
T2-040197	CR 23.241 Rel-6: Correction of naming of structural main parts	T-Mobile	Approved for output to T2

3GPP

**Presented by –**

Kurt Bischinger

**Discussion –****Resolution –**

Approved for output to T2

**3.2 Subscriber Management**

Tdocs - No Input

**3.3 AT Commands**

TDocs: 193, 191, 228, 229, 230

**Document – T2-040193**

<b>TDoc No.</b>	<b>Title</b>	<b>Source</b>	<b>Status</b>
T2-040193	LS from T3 on the addition of AT commands to 27.007	T3	Noted

**Presented by –**

Nigel Barnes, Motorola

**Discussion –**

“The opinions returned to the T3 reflector were supportive of the additions to the AT command set (to REL 6), however, against the concept of making essential corrections to earlier releases.”

There was some discussion about the email approval, this process was discussed I Malaga.

**Resolution –**

Will be input into T2 consideration of 191.

3GPP

**Document – T2-040191, 228, 229**

<b>TDoc No.</b>	<b>Title</b>	<b>Source</b>	<b>Status</b>
T2-040191	Support of logical channels in AT commands in 27007v6.4.0	Axalto	Section 9.2 split off into 229. Rest Updated in 228
T2-040228	Support of logical channels in AT commands in 27007v6.4.0 less section 9.2	Axalto	Approved for attachment to 230. CR is Not Approved
T2-040229	Section 9 changes only from 191	Axalto	Approved as Output to T2

**Presented by –**

Nicolas Chaumartin, Axalto

**Discussion –**

NTT-DoCoMo has an objection, resolution of this is reflected in an update by separating section 9.2 into T2-040229, and would satisfy this objection.

Action Axalto to prepare 229 as soon as possible with advance copies available on the server.

The new sections should follow section 8.17, not precede.

Nokia has fundamental objections to 191/228–

*Nokia don't see a need for an AT command to return the ATR response from the UICC. This would either imply that:*

- 1) The terminal supporting this AT command would have to store the ATR in order to send it back as a response to the AT command*
- 2) In order to retrieve the ATR the terminal would have to reset the card, if not previously stored. This would cause that, the current security context is lost and that the user would potentially have to enter the PIN once more*
- 3) Regarding the logical channel Nokia don't see a reason why there is a need to be able to open and close a logical channel to the UICC. The reason for opening a logical channel would be to communicate with the UICC.*

*This has been discussed before, that it doesn't make any sense to deliver APDU's from a remote entity. If this would be the case then the remote entity would also have to handle all status and error responses, some of the responses are protocol related and not application related.*

*In order for a remote application to talk to an application in the UICC an alternative protocol should be used, where the terminal is responsible for managing the logical channels, if needed, and managing the status/error response from the UICC. There is no need to open a logical channel to communicate with the UICC this can be open by other means. The terminal would then establish the logical channel if needed, as said before the remote communication with the UICC using APDUs is not a viable solution unfortunately.*

*The T2-040191 have also added the SELECT command which has not previously been supported. Using this AT commands without using a logical channel would mean that anybody that would have access to the terminal*

*and would be able to read and manipulate data on the UICC using the access granted by the user, i.e. the user has given access for his/her access and now a third party can utilise this access, the UICC would not know.*

*There is a security risk with these UICC related AT commands if the terminal doesn't take care of that, they always are executed on a separate logical channel. A properly implemented terminal should not allow third party access using the user authorisation, possibly without the user being aware of it. Nokia believes this is not needed.*

*5) The addition of the SELECT command would make the card completely open to be browsed and altered by an external device*

*6) Opening logical channels from outside the terminal could also lead to detail of service attacks as we have been discussing in SCP to use more than one logical channel to handle the case of storing/reading large data to/from the card; thus with too many logical channels there could be no channels left to perform the authentication.*

*7) There is no service requirements or any valid use cases in the 3GPP environment that supports this solution.*

*8) Opening the card in this would allow hackers to (potentially) read my sim phonebook or alter/destroy it.*

*To conclude: Nokia view is that this feature has both security and technical impact.*

During the discussion, Axalto and T-Mobile provided the following answers and comments regarding these objections:

*Regarding 1)*

*Terminals already store at least parts of the ATR, in case they want to support the logical channel feature they would need to also store the logical channels part.*

*Regarding 2)*

*As the ATR is retrieved each time the handset and the UICC are switched ON, if the ATR is stored properly then there is no need to reset the UICC and lose the security context to get the ATR.*

*Regarding 3) and 5)*

*Axalto believes this contribution doesn't introduce any threat regarding the access to the UICC. On the contrary it allows application to access data on the UICC (e.g. MMS provisioning) or benefit from services available on the UICC (e.g. ISIM) and it does it in a more logical and organized way.*

*It has been reminded that 3GPP-T3 group (3GPP UICC expert group) has reviewed this CR and didn't raise any objection against it.*

*Also it has been reminded that there is a misalignment between TS 27.007 and TS 31.101 on this topic and that this CR is resolving this issue.*

*Regarding 6)*

*Channel 0 is reserved for SIM toolkit and network authentication. There is no way to open or close this reserved channel and thus to block authentication.*

*Regarding 7)*

*This feature was developed in SCP and 3GPP-T3 in order to facilitate and organize the communication between the terminal and the UICC. It is agreed that the terminal will have to support this feature too in order to use it.*

*Regarding 8)*

*The security issue is not related to the UICC but to the terminal or the third party using it. If the UICC is used in an unsecured environment then there is a security threat. By the way these kinds of threats already exist in the current*

*version of the specification and are not due to the introduction of this new feature but to the overall architecture of the system.*

SA3 should be involved since many of the objections relate to security of the SIM data, and its openness to hackers.

T-Mobile said that an LS to SA3 (230) on the general 27.007 security can be treated as separate from this CR. T-Mobile supports this CR.

Action Axalto to draft the LS.

Ericsson has fundamental objections, they are the same as Nokia's Objections.

Do Nokia/Ericsson have objections other than security? Yes, they were described. Requires storage of ATR parameters, requires user action to reset the card. Alternative view was expressed that these changes are for REL 6, are optional, and the requirement to store in ME is reasonable and does not pose any backward compatibility problems.

Other members' views – DoCoMo think that separating 191 into two CRs is better.

Other members did not express strong support or objections.

After offline discussions, Nokia, Ericsson basic objections still stand, and are considered unlikely to be resolved this week. A private conference call after this week between parties would be advantageous, organized by Axalto. There was no change to this status until the close of the SWG2 meeting, and the proposed CR is not approved..

Question was asked, is it OK to attach T2-040228 to the LS in 230. Attachment to 230 was approved by SWG2.

### **Resolution –**

191 – Section 9.2 separated into 229. Rest of 191 updated in 228 as per above comments.

228 – Approved for attachment to 230. CR is Not Approved.

229 – Approved as Output to T2

### **Document – T2-040230**

<b>TDoc No.</b>	<b>Title</b>	<b>Source</b>	<b>Status</b>
T2-040230	LS to SA3 on AT Commands 27.007 Security	Axalto	Approved as Output to T2

**Presented by –**

Nicolas Chaumartin, Axalto

**Discussion –**

Some modifications were incorporated

**Resolution –**

The document was approved for Output to T2

**3.6 IMS**

TDocs: No Input

**3.7 WLAN Functions**

TDocs: 190.

**Document – T2-040190**

<b>TDoc No.</b>	<b>Title</b>	<b>Source</b>	<b>Status</b>
T2-040190	TS 23.234 3GPP/WLAN Interworking	TSG-SA	Noted

**Presented by –**

Prem Sood

**Discussion –****Resolution –**

Noted

**4.1 UE Functionality Split**

TDocs : No Input

## **4.2 Application and User Interaction**

TDocs None

## **4.3 Other**

Tdocs

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

TDocs 167

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

## **6. Approval of Output Documents for T2 Approval.**

See Executive Summary

TDoc No.	Title	Source	Status

### **6.2 Meeting Report of this SWG2 Meeting**

T2-040181	Report of T2 SWG2 #25		

## **7. Deferred Items**

None

## **8. Any Other Business**

None

## **9. Future Meetings, Time Requirements**

See Executive summary.

## **10. Close of the Meeting**

The Meeting was closed at 11.35 am on Thursday.

### **10.1. List of New Action Points added at this meeting**

<b>AP Description</b>	<b>Assigned to</b>	<b>Due</b>	<b>Comments</b>



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## Annex A List of all temporary documents

### **COLOR CODE**

APPROVED - OUTPUT TO T2

NOTED/APPROVED – NO OUTPUT TO T2

PENDING / ACTION

NOT REVIEWED AT THIS MEETING

NOT DISCUSSED YET

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### FINAL Document List

3GPP TSG-T2-SWG2 #25  
Edinburgh, UK  
19 -23 April 2004

#### FINAL doclist SWG2

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### Document List

TDOC	Subject	Source	SWG	Re
T2-040167	3GPP work plan	TB Officer	OP	
T2-040172	LS from CN4 on Relationship between 3GPP and Liberty Alliance related to GUP work	N4-040262	SWG2	Noted
T2-040180	SWG2#24 Meeting Agenda	SWG2 Chairman pro tem	SWG2	Approv

T2-040181	SWG2#24 Meeting Report	SWG2 Chairman pro tem	SWG2	Output
T2-040182	JM T2SWG2-CN4 on GUP Agenda	Co Chair	JM T2SWG2-CN4	Review Approv
T2-040183	JM T2SWG2-CN4 on GUP REPORT	Co Chair	JM T2SWG2-CN4	Output
T2-040184	TS24.241 Status and General Description	TB Officer	JM T2SWG2-CN4	Review Approv
T2-040185	TS24.241 Coordination Items	Rapporteur	JM T2SWG2-CN4	Review Approv
T2-040186	TS 23.241 Status and General Description	Rapporteur	JM T2SWG2-CN4	Update format
T2-040187	TS 23.241 Coordination Items	Rapporteur	JM T2SWG2-CN4	Update format
T2-040190	TS 23.234 3GPP/WLAN Interworking	TSG-SA	SWG2/SWG3	Noted
T2-040191	Support of logical channels in AT commands in 27007v6.4.0	Axalto	SWG2	Noted, 228 an
T2-040193	LS from T3 on the addition of AT commands to 27.007	T3-040211	SWG2	Noted
T2-040194	TS24.241 v0.5.1 baseline	Interim Rapporteur	SWG2	Approv baselin
T2-040197	CR 23.241 Rel-6: Correction of naming of structural main parts	T-Mobile	SWG2	Approv Output
T2-040225	TS 23.241 Status and General Description - 186 re-formatted	Rapporteur	JM T2SWG2-CN4	Review Approv
T2-040226	TS 23.241 Coordination Items – 187 reformatted	Rapporteur	JM T2SWG2-CN4	Review Approv
T2-040227	ASN.1 for XML Schema language	Orange	JM T2SWG2-CN4	Presen
T2-040228	Update of 191 - Support of logical channels in AT commands in 27.007v6.4.0 less section 9.2	Axalto	SWG2	Approv attachm CR is N
T2-040229	Section 9.2 changes from 191	Axalto	SWG2	Approv to T2
T2-040230	LS to SA3 on AT Commands 27.007 Security	Axalto	SWG2	Approv to T2
T2-040231	LS to SA2, CN4 on Transfer of T2 GUP TS's	SWG2 Chair	SWG2	Approv Output Approv April 2



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## Annex B FINAL AGENDA

3GPP TSG-T2 #25  
Edinburgh, UK  
19 -23 April 2004

T2-040180

**Agenda Item:** 1.1

**Source:** SWG2 Chairman Pro Tem

**Title:** FINAL Agenda SWG2#25 EDINBURGH Meeting

**Document for:** Approval

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### 1. Opening of the meeting

1.1 Approval of this Meeting's Agenda, Chairman's comments **180**

Recording of Incoming Docs & assignment to Agenda **180, doclist**

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

JM with CN4 - Tuesday

1.3 Future Meetings Confirmation – proposed list is in Agendum 9

1.4 Review of Progress on Action Items Draft1 **181**

1.5 Appointment of Rapporteurs – 27.007/07.07; 23.227; 24.241

### 2. Items for immediate discussion –

2.1 Preparation for the JM with CN4 on Tuesday (April 20) 182, 186, 187, 184, 185,

### 3. SWG2 Ongoing Work

3.1 SWG2 Ongoing Work on GUP, DDM 231, 183, TP-040051, 194, 172, 197

3.2 Subscriber Management

3.3 AT Commands 193, 191, 228, 229, 230

3.4 IMS

3.5 WLAN functionality 190

### 4. Other SWG2 Items

4.1 UE Functionality Split

4.2 Application and User Interaction (Terminal Local Model)

4.3 Other (incl. CRs to SWG2 docs)

5. Review of WI's progress, SWG2 and T2 relevant items in 3GPP work plan 167

### 6. Approval of Output Drafts and Documents for T2 Approval

6.1 Liaison Statements, etc. xx

6.2 Meeting Report of this SWG2 meeting Draft 2 181

### 7. Deferred Items

## 8. Any Other Business

## 9. Future meetings, Time requirements

T2 August 23-27 Montreal

JM with CN4 on GUP, DDM – (TBC)

JM with SA5 on GUP, SuM – (TBD)

## 10. Close of the meeting

APPROVED - OUTPUT TO T2

NOTED/APPROVED – NO OUTPUT TO T2

PENDING / ACTION

DECIDED TO POSTPONE, NOT REVIEW

NOT DISCUSSED YET

CURRENTLY BEING DISCUSSED

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## Annex C List of Participants

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## Annex E Report from SWG3 Messaging

**T2-040253**

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### Executive Summary:

#### General:

The SWG3 sessions at T2#25 were attended by 22 delegates. All in all 54 tdocs were processed.

Philippe Bellordre (Orange) and Friedhelm Rodermund (MCC) (Friedhelm was absent for some time supporting the CN4/T2 SWG2 joint meeting) shared the meeting secretary responsibility and are being thanked for the great job they did.

Having survived two fire alarms during the week SWG3 is now well prepared for facing the challenges of finalising REL-6 in time ;-)

#### Action items from T#23, SA#23, T2#25 opening plenary

- From T#23: Revise CR157 (T2-040145) on Clarification on Recipient List
  - Matthias presented a revised version in T2-040251 and will lead an email discussion.
- From T#23: CEPT ECC WG Numbering Naming and Addressing: Check correctness of technical assumptions regarding messaging standards in T2-040179
  - A reply to CEPT/ECC's consultation w.r.t. the correctness of CEPT's technical assumptions regarding SMS, USSD and MMS is being created in T2-040239 as a reply to T2-040179. This document is intended to be forwarded to T (preferably via email) for them to compose a final reply to CEPT ECC.
- From SA#23: TS 23.234 on "3GPP WLAN interworking" (T2-040190):
 

(Study the SMS part to check compatibility with the SMS architecture and SMS delivery and to provide comments to SA2. Additionally, it was suggested to ask T2 to verify if there is sufficient information on how MMS delivery is handled.)

  - T2 studied TS 23.234 and agreed an LS to SA2 in T2-040240. With regard to the SMS parts, T2 feel that the content is satisfactory. With regard to MMS, T2 has found no specific mention of MMS or MMS Delivery and therefore cannot comment on whether there is sufficient information or not.
- From T2#25 opening plenary: **NONE**

#### CBS matters

NONE

#### SMS matters

A CR to 23.040 Rel-6 which introduces the concept of Enhanced Voice Mail Notification into SMS was agreed in T2-040238. This CR allows voice mail systems to convey via SMS to the user enhanced information regarding voice mail



messages and voice mail box status such as a list of voice messages. In addition, the optional nature of all IEIs was clarified with an explicit statement in T2-040245.

## EMS matters

NONE

## MMS REL-4 issues

NONE

## MMS REL-5 issues

### Bug fix:

In T2-040236 the reference to OMA-MMS Encapsulation spec was updated from MMS v.1.1 to MMS v.1.2 – which is the applicable one for REL-5.

## MMS REL-6 issues

### Bug fixes:

A similar CR updating the reference to OMA-MMS Encapsulation spec from MMS v.1.1 to MMS v.1.2 was performed in REL-6. This was done in order to at least refer to the latest available OMA-MMS Encapsulation spec even though MMS v.1.2 conforms only to REL-5. The note describing this latter point was kept in the specification.

In addition, T2-040199 is a agreed CR correcting an erroneous mapping of "X-Mms-Read-Status" in Annex I.

### Application ID:

Progress was made in SWG3 by agreeing on a set of important working assumptions – which are captured in T2-040241 and T2-040242. A couple of open issues though remain, the most controversial issues being a.) the amount of MMS abstract messages to change and b.) the impact on the user experience in case a terminal does not support application addressing and/or not being equipped with the targeted application.

### MMS as IMS Deferred Messaging:

A constructive discussion took place based on contributions received from Nokia, Ericsson and Motorola. In the end, SWG3 endorsed some working assumptions on MMS as IMS deferred messaging in REL-6 (T2-040244) which form a solid basis for the development of future CRs. In particular, the focus will be on using the existing WAP implementation of MM1 for user-to-user messaging with a SIP-based address.

### MM1 enhancements:

A CR on a addition of status text in the MM1\_delivery\_Report.Req message was presented in T2-040213 but not agreed. China Mobile will create a revised version send this out for email discussion.

### MM4 enhancements:

T2-040248 SWG3 working assumption on MM4 bundling were endorsed. A CR was agreed in T2-040195 was agreed improving the error handling on MM4. Some more MM4 improvements regarding multiple recipients on MM4 were suggested and have been forwarded to SA5 and GSMA (LS in T2-040249) requesting feedback.

## MM7 enhancements:

An extension of MM7 was agreed in T2-040247 which introduces the ability for a VASP to define delivery conditions for the MMS Relay/Server to apply to a VASP-originated MM. Moreover, it was proposed to enable an MMS Relay/Server to indicate to a VASP whether or not a certain user is roaming. The proposal seemed to be improvable w.r.t. to its future proofness which means that it needs to be further elaborated upon.

## MMS REL-6 issues – Private Addressing Scheme

T-Mobile proposed an extensive CR which introduces an almost complete description of a new interface between an MMS Relay/Server and a new Messaging Service Control Function (MSCF) in T2-040211. Areas of concern have been identified in T2-040250 and will be taken into account by Matthias for future discussion.

## MMS REL-6 issues – Support for multiple MMS Relay/Server

### Multiple Relay/Server support:

Three CRs towards 23.140 were presented on matters such as reply-charging, notification and the architecture of multi-Relay/Server MMSEs. There is general consensus within SWG3 that MM4 seems to be applicable in principle between MMS Relay/Servers within the same MMSE. Still, the available CRs tackle rather particular parts of the topic. It was felt that analysing all the implications which the adoption of MM4 for intra-MMSE message routing might have needs to be completed in first place. Therefore, none of these CRs was accepted yet.

Although originally a TR was announced for this work, the result of the analysis will probably be out into an annex of TS 23.140. There was agreement that a separate TR is not needed.

## Post REL-6 MMS issues

### MMS transfer to OMA:

According to the guidance from T2#25 opening plenary any discussion on this issue was put on hold waiting for advice from T on the implications of the recent PCG decision (in T2-040223).

## Future Meetings:

<b>T2#26</b>	23 – 27 Aug 2004	Montreal, Canada
<b>T2#27</b>	8 – 12 Nov 2004	tbd

## Output Change Requests from SWG3:

### CBS:

NONE

### SMS:

tdoc #	Subject	Source	Status
T2-040238	CR 23.040 Rel-6 Enhanced Voice Mail Notification	RIM	approved
T2-040245	CR 23040 REL-6 optional IEI statement	RIM	approved

**EMS:**

None

**MMS:**

<b>tdoc #</b>	<b>Subject</b>	<b>Source</b>	<b>Status</b>
T2-040195	CR 23140 REL-6 MM4 Multiple Recipients	Nokia Corporation	approved
T2-040199	CR 23140 REL-6 Correcting "X-Mms-Read-Status" erroneous mapping on Annex I	Ericsson	approved
T2-040236	CR 23140 REL-5 Changing erroneous OMA references from MMS1.1 to MMS1.2	Ericsson	approved
T2-040237	CR 23140 REL-6 Changing erroneous OMA references from MMS1.1 to MMS1.2	Ericsson	approved
T2-040247	CR 23140 REL-6 MM7 delivery conditions for MMS	T-Mobile, Orange	approved
T2-040243	CR 23140 REL-6 Size Indication By MMS User Agent	T-Mobile, Orange, TeliaSonera	approved

**Output Liaison Statements from SWG3:****CBS:**

NONE

**SMS and MMS:**

<b>tdoc #</b>	<b>Subject</b>	<b>Source</b>	<b>Status</b>
T2-040239	Reply to CEPT/ECC consultation on use of short codes	RIM	Approved
T2-040240	Reply-LS to SA2 cc SA on TS 23.234 3GPP/WLAN Interworking	RIM	Approved

**EMS:**

NONE

**MMS-only:**

<b>tdoc #</b>	<b>Subject</b>	<b>Source</b>	<b>Status</b>
T2-040249	LS to SA5 and GSMA on MM4 unbundling	Nokia Corporation	Approved

**Endorsed SWG3 working assumptions:**

tdoc #	Subject	Source	Status
T2-040241	SWG3 working assumptions on Application ID	SWG3	endorsed
T2-040242	Additional SWG3 working assumptions on MMS support for Application Addressing	SWG3	endorsed
T2-040244	SWG3 working assumptions on MMS as IMS deferred messaging in REL-6	SWG3	endorsed
T2-040248	SWG3 working assumption on MM4 unbundling	SWG3	endorsed

**List of postponed documents – IF ANY:**

NONE

**List of Action Items:**

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

No new action items from T2#25

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## Detailed Report:

### General:

TDoc	Title	Source	Comment
T2-040217	SWG3 agenda at T2#25	SWG3 chairman	

**Discussion:** None

**Conclusion:** AGREED

### Action items from T#23, SA#23, T2#25 opening plenary:

1. *From T#23: Revise CR157 (T2-040145) on Clarification on Recipient List*

See T2-040251

2. *From T#23: CEPT/ECC WG Numbering Naming and Addressing: Check correctness of technical assumptions regarding messaging standards in T2-040179*

TDoc	Title	Source	Comment
T2-040179	CEPT/ECC consultation on use of short codes	Chairman ETSI TB MSG	

**Discussion:** Michel (Ericsson) mentioned he does not see the use case for MMS (the home MMSC environment is always used). Ian précised this short code issue is not really a technical issue but rather a commercial issue.

The way forward is to check if questions in the document are technical or commercial questions and to draft a response LS to T. This draft LS is in T2-040239 (Nigel : "it is a waste of time"!!)

**Conclusion:** NOTED

TDoc	Title	Source	Comment
T2-040239	Reply LS to T , on consultation on use of short codes	RIM, Infineon	

**Discussion:****Conclusion:** AGREED**3. From SA#23: TS 23.234 on "3GPP WLAN interworking" (T2-040190):**

- Study the SMS part to check compatibility with the SMS architecture and SMS delivery and to provide comments to SA2.
- Additionally, it was suggested to ask T2 to verify if there is sufficient information on how MMS delivery is handled.

TDoc	Title	Source	Comment
T2-040190	TS 23.234 3GPP/WLAN Interworking	SA plenary	

**Discussion:** It was noted there were no mention of MMS in the current WLAN spec.

Ian will create a reply LS (T2-040240) on SMS and MMS issues (offline session)

**Conclusion:** NOTED

TDoc	Title	Source	Comment
T2-040240	Reply LS to SA2 cc SA on TS 23.234 3GPP/WLAN Interworking	T2	Reply LS corresponding to doc T2-040190

**Discussion:** Originally it was not entirely clear to T2 if/how MMS is supported via WLAN since in TS 23.234 there is no mentioning of MMS. Phillipe pointed out that MMS is a bearer independent service and as such supported over WLAN as any other IP services. The only unclear issue was the support of the SMS notification which has now been confirmed by T2 to be sufficiently defined.**Conclusion:** AGREED.**4. From T2#25 opening plenary**

- NONE

## Incoming Liaison Statements:

TDoc	Title	Source	Comment
T2-040173	LS on identifying MMS Enabled devices and MMS Capabilities of those devices	CN4	

Discussion: None

Conclusion: NOTED

TDoc	Title	Source	Comment
T2-040174	Reply LS Regarding Target UE Elements in MMS	OMA MMSG	

Discussion: none

Conclusion: NOTED

TDoc	Title	Source	Comment
T2-040175	LS on MMS as a Bearer for USAT	TSG T	

Discussion: none

Conclusion: NOTED

TDoc	Title	Source	Comment
T2-040176	Capturing network-independent MMS requirements in OMA	OMA MMSG	

Discussion: none

Conclusion: NOTED

TDoc	Title	Source	Comment



T2-040177	MMS transfer to OMA	3GPP2 TSG X	
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**Discussion:** none

**Conclusion:** NOTED

**CBS matters:**

NONE

**SMS matters:**

Tdoc	Title	Source	Comment
T2-040192	Enhanced Voice Mail Notification	RIM	

**Discussion:** This CR only impacts the ME (optional feature however) and not the Core Network (i.e. the SMSC on that case).

A long discussion took place between RIM, Comverse, Motorola, Siemens and Nokia, regarding coding and usefulness of different IEs. Many comments were made. These comments will be considered in a parallel SMS debate (on Tuesday morning) to elaborate a new CR.

**Conclusion:** NOTED. Will be revised in T2-040238.

Tdoc	Title	Source	Comment
T2-040238	Enhanced Voice Mail Notification	RIM	Revised version of T2-040192

**Discussion:**

**Conclusion:** AGREED

Tdoc	Title	Source	Comment
T2-040245	CR 23.040 Rel-6: Optional IEF's	RIM	

**Discussion:** Friedhelm clarified that cat D should only be used for editorial CRs like spelling mistakes etc.

**Conclusion:** AGREED

**EMS matters:**

NONE

**MMS REL-4 issues:**

NONE

**MMS REL-5 issues:**

Tdoc	Title	Source	Comment
T2-040236	Changing erroneous OMA references from MMS1.1 to MMS1.2	Ericsson	Revised version of T2-040200 (but for Release 5)

**Discussion:****Conclusion: AGREED**

**MMS REL-6 issues:****SA/SA1 approved CRs**

Tdoc	Title	Source	Comment
T2-040235	SA/SA1 approved MMS CRs	TB Officer	

**Discussion:** none

**Conclusion:** NOTED

**Bug fixes**

Tdoc	Title	Source	Comment
T2-040199	Correcting "X-Mms-Read-Status" erroneous mapping on Annex I	Ericsson	

**Discussion:** None

**Conclusion:** AGREED

Tdoc	Title	Source	Comment
T2-040200	Changing erroneous OMA references from MMS1.1 to MMS1.2	Ericsson	

**Discussion:** Revised in T2-040236 for Release 5 version and T2-040237 for Release 6 version.

**Conclusion:** NOTED.

Tdoc	Title	Source	Comment
T2-040237	Changing erroneous OMA references from MMS1.1 to MMS1.2	Ericsson	Revised version of T2-040200

**Discussion:**

**Conclusion:** AGREED

Tdoc	Title	Source	Comment
T2-040243	CR 23140 REL-6 Size Indication By MMS User Agent	T-Mobile	

**Discussion:** Randall commented that the word approximate is in there because it is unclear whether every device can calculate with the same accuracy. This CR will not change the behaviour of the UE and therefore he thinks this is a superficial change.

Nokia thinks that nothing is achieved with this CR.

It was clarified that the size calculation can be different in different products because of different encoding and other differences.

**Conclusion:** AGREED

## Application ID

Tdoc	Title	Source	Comment
T2-040201	Support of the generic OMA Application ID	Ericsson	

**Discussion:** long discussion between Jerry (Comverse) and Michel (Ericsson). The conclusion is that T2 will not do anything on that issue in 23.140.

A second question is to see if this mechanism can be useful for the Application ID functionality. Comverse think it can not be. That basically was the conclusion.

**Conclusion:** NOTED

Tdoc	Title	Source	Comment
T2-040198	Application ID, Minutes of “meeting” of the conference call held 2004/03/24	Ericsson	

**Discussion:** Minutes of the conf call on Application ID (held 2004-03-24). No comments

**Conclusion: NOTED**

Tdoc	Title	Source	Comment
T2-040189	Compatibility in using MMS to transport application data	Nokia	

**Discussion:** Comverse agree on the philosophy of this document. Motorola is not sure that capability negotiation is the most appropriate way to handle this interoperability issue: there could be solutions based on handsets' behaviour. Basically, the goal of this discussion doc is to allow the application ID(s) to be carried to the MMS R/S via the (dynamic) UAProf.

Michel mentioned that there may be charging impacts as well and therefore SA5 should be asked to add Application ID in MMS CDRs.

Michel also mentioned that the solution proposed by Nokia breaks the end to end transparency, since the MMS R/S has to take care of possible message adaptation (remove the MM if application ID is not supported by recipient handset).

Randall commented that it would be premature to approve a UAPROF based solution before having a better understanding of the issue.

**Conclusion: NOTED**

Tdoc	Title	Source	Comment
T2-040221	Questions on Application ID	Motorola	

**Discussion:** In this discussion document, Motorola identifies different issues. These issues are discussed one after the other

*Conclusion of SWG3 for the issue 1:* classification out of the scope of MMS but MMS solution needs to be flexible enough to allow classification being done by others, e.g. checkers community/standard.

*No conclusion of SWG3 for the issue 2 but rather open issues to be dealt:* should the application ID's format be a text string or a URL (URL => fallback application identification (e.g. "use MMI if news banner applic not available"))

- format of applic-ID = string
- format of applic-ID = URL

*Conclusion of SWG3 for the issue 3:* terminal should not be disallowed to do re-submission (no difference to submission)

*Conclusion of SWG3 for the issue 4:* Application IDs should be globally unique.

Open issue: no OINA or similar global registration. It is the responsibility of application developers??

*Conclusion of SWG3 for the issue 5:* out of scope of MMS

*Conclusion of SWG3 for the issue 6:* OK with this issue

*Conclusion of SWG3 for the issue 7:* Open (related to Nokia disc doc T2-040189)

*Conclusion of SWG3 for the issue 8:* to check with current definition of automatic mode (it may be sufficient)

*Conclusion of SWG3 for the issue 9: immediate transfer of the message to the application =>no storage in the inbox, no application responsibility for storage on inbox. The storage is responsibility with the application and is out of scope of the MMS specification.*

**Conclusion:** NOTED. This document with the SWG3 conclusions is published with the following doc number: T2-040241

Tdoc	Title	Source	Comment
T2-040241	SWG3 working assumptions on application ID specifics	SWG3	

**Discussion:**

**Conclusion:** ENDORSED

Tdoc	Title	Source	Comment
T2-040218	Use case for Reply-to-Application-ID	Infineon	

**Discussion:** It was clarified that each application shall have at least a "generic" application ID, whatever this application could have different versions.

**Conclusion:** NOTED

Tdoc	Title	Source	Comment
T2-040219	Status of MMS support for Application Addressing as of 2004-04-02	Infineon	

**Discussion:** This discussion document summarises the status of discussions on application ID so far (not exhaustive however).

This document was read step by step to collect all the comments from the floor. It resulted in a new document (T2-040242) that summarizes the views of SWG3 group.

**Conclusion:** NOTED

Tdoc	Title	Source	Comment
T2-040242	Additional SWG3 assumption for Application Addressing	SWG3	

**Discussion:**

**Conclusion:** ENDORSED



Tdoc	Title	Source	Comment
T2-040203	Application-Data in MMS	Ericsson	

**Discussion:** this is a resubmission from last T2 meeting. This CR is no longer relevant (after debate of T2-040219).

**Conclusion:** NOTED

Tdoc	Title	Source	Comment
T2-040206	Application ID Change Request	Motorola	

**Discussion:** Short presentation

**Conclusion:** NOTED

## IMS messaging

Tdoc	Title	Source	Comment
T2-040204	CR 23140 REL-6 Support of the SIP URL as a valid MMS address	Ericsson	

**Discussion:** Jerry commented that from this proposal it is unclear what a MMS R/S should do with a SIP URL.

**Conclusion:** NOTED

Tdoc	Title	Source	Comment
T2-040188	SIP URL in MMS addressing	Nokia Corporation	

**Discussion:** It was agreed that T2 works only on approach 1 (interworking scenario) and not on approach 2 (gateway) and 3 (protocol replacement) for Rel-6.

**Conclusion:** NOTED

Tdoc	Title	Source	Comment
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T2-040220	MMS as IMS Deferred Messaging Discussion	Motorola	
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**Discussion:** Jerry is not sure if the given use cases are the most important ones and if deferred messaging is just a fallback (as described in the given use cases) or rather an alternative messaging service. Comverse does not see in completing this work in the Rel-6 timeframe. Randall reported that the filtering mechanism is a second use case for IMS messaging: a user decides that he doesn't want to be disturbed by IM and decides that all messages shall be delivered via MMS). He clarified that the messaging flows are always from the IMS to MMS and never vice-versa. Josef reported that according to his understanding the use cases mentioned by Motorola are close to what SA1 had in mind for IM Messaging. Josef presented the relevant parts of TS 22.340 IMS messaging stage 1.

A mechanism is needed is to deliver an MM to a SIP URI. It seems that no SIP based stage 3 needs to be created for the time being. The issue to resolve a SIP URI into an MSISDN needs to be addressed.

Working assumptions of the work on IMS Messaging support were developed in T2-040244.

**Conclusion:** NOTED

Tdoc	Title	Source	Comment
T2-040244	SWG3 working assumptions on MMS as IMS deferred messaging in REL-6	SWG3	

**Discussion:**

**Conclusion:** ENDORSED

## Multiple Relay/Server architecture

TDoc	Title	Source	Comment
T2-040205	Multi MMS Relay Servers	Ericsson	

**Discussion:** Jerry expressed his concerns on this CR and stated that he would not be able accept it. In his opinion the CRs does not explain clearly enough how to realise the multiple relay/server architecture.

**Conclusion:** NOTED

TDoc	Title	Source	Comment
T2-040215	Addition of reply-charging limitation in MM4_forward.REQ message	China mobile	

**Discussion:** Phillippe commented the deleted limitation still applies: “For this release the following limitations apply: Support for reply-charging in MMS is restricted to MMS User Agents and VASPs belonging to the same MMSE, i.e. originator and recipient MMSE are identical.”

The use of the term “domain” was questioned. Chang clarified that a domain belongs to an operator and can include multiple R/S. Josef clarified that an MMSE can include multiple R/S and therefore domain seems to be equal MMSE. Friedhelm noticed that “domain” is used already in 23.140 but not defined.

So far MM4 is only for inter-MMSE connections, but according to Telefonica (T2-040087) it can also be used for intra-MMSE connections. However, this is not defined yet in the spec. The underlying assumption of this CR is that MM4 is usable for intra-MMSE traffic. The underlying problem is that Telefonica’s conclusion has not been reflected in 23.140. Randall pointed out that before we redefine MM4 we should know all the implications. Maybe a comprehensive discussion document is required analysing all implications and listing which messages have to be changed. The Telefonica document treated at a previous meeting was a useful analysis but was not considered to be complete.

There is a consensus in principle that the MM4 interface in principle is suitable in principle for intra-MMSE traffic in principle... However, a detailed analysis confirming this is required.

**Conclusion:** NOTED

TDoc	Title	Source	Comment
T2-040214	CR 23.140 Rel-6: Addition of MMS Relay/Server address in MM1 notification message	China Mobile	

**Discussion:** Randall commented that in his opinion T2-040214 and T2-040215 are solutions for the same thing. T2-040214 might not be needed. Chang clarified that both CRs are not related.

The CR is trying to solve a problem which can exist not only in a multiple-MMS R/S environment but also in a single MMS R/S environment. If a terminal is misconfigured than the MMS Relay/Server Addr is send in every notification. This could be a waste of bandwidth. Maybe it would be better to have a mechanism to reconfigure the terminal.

Nicolas reminded that the MMSC address is also stored on the smart card (depending on the release) which could help solving the problem.

Friedhelm asked about the status of the originally planed TR since he has to report the status of the work item to TSG-T. Josef replied that there seems nobody working on the TR. However, it is intended to complete the analysis of the multiple R/S issue. The result might be put into an informative annex.

**Conclusion:** NOTED

## MM7 Enhancements:

TDoc	Title	Source	Comment
T2-040208	MM7 Roaming indication	Nokia	

**Discussion:** TeliaSonera supports the idea of the feature but some more discussion might be needed to find the best technical solution.

**Conclusion:** NOTED

TDoc	Title	Source	Comment
T2-040209	MM7 delivery conditions for MMS	T-Mobile	

**Discussion:** It was felt that the delivery conditions should be more specific. As a homework a basic set of conditions should be developed. It was concluded that “MMS capable” and “HPLMN only” are the only conditions needed.

**Conclusion:** Revised to T2-040247

TDoc	Title	Source	Comment
T2-040247	MM7 delivery conditions for MMS	T-Mobile	

**Discussion:**

**Conclusion:** AGREED

## Private addressing schemes in MMS:

TDoc	Title	Source	Comment
T2-040210	Messaging Service Control Function - Use Cases	T-Mobile	

**Discussion:** Matthias explained the concept of Twin Card: A user is having two cards with one logical MSISDN which is visible to the outside world, two IMSIs.

Michael questioned whether the Messaging Control Function is required to perform the functionality described in the use cases.

Miraj reminded that the comments made earlier on this work item regarding missing services requirement are still valid. He thinks that it is not required to standardise this additional interface.

It was proposed to handle this functionality on MM7. Matthias replied that this would not be easy to achieve since a lot of additional functionality would have to be added to MM7.

Miraj commented that providing all the user specific information to the MSCF could be dangerous regarding the user experience. He thinks that much of this functionality can be achieved without changing much in the specification and without the additional interface.

**Conclusion: NOTED**

Tdoc	Title	Source	Comment
T2-040211	CR 23.140 Rel-6: Support of Messaging Service Control Function (MSCF)	T-Mobile	

**Discussion:** Nokia repeated their comments made on T2-040210. The T-Mobile proposal covers areas not covered by the WID and the service requirements are still missing..

Nokia objected to standardise this MSCF. Josef asked for a show of hands: T-Mobile, Orange and TeliaSonera supported the work whereas Nokia opposed the work.

Motorola thinks that if that functionality does get approved it should be defined with a separate interface.

Nokia clarified that they would not object if only functionality is defined which is covered by the WID.

Randall recommended to restructure the CR and put the procedures into an annex.

The meeting reviewed the CR to identify the areas of concern which have to be addressed in a revised CR. The areas of concerns were colour coded in document T2-040250.

**Conclusion: NOTED**

TDoc	Title	Source	Comment
T2-040250	CR 23.140 Rel-6: Support of Messaging Service Control Function (MSCF) – colour-coded to highlight the areas of concern	T-Mobile	

**Discussion:****Conclusion: NOTED****MM1:**

TDoc	Title	Source	Comment
T2-040213	CR 23140 REL-6 Addition of status text in the MM1_delivery_Report Req message	China mobile, Comverse	

**Discussion:** Chang explained that one use case is a video message not being delivered because of lacking video capabilities on the receiving side. Randall suggested that even in such a case the message should be delivered and the user possibly could upgrade the terminal with additional capabilities. Chang explained that there are several more use cases addressed by this CR.

Matthias mentioned that a related new feature is missing describing the status text in 8.1.7.3.

Miraj mentioned that a similar proposal was made some time ago. The T2 chairman suggested that Miraj tries to find out why this solution was not accepted. Chang will create a clean version of the CR and send this out for email discussion.

**Conclusion:** NOTED

## MM4:

TDoc	Title	Source	Comment
T2-040196	MM4 partial addressing failure	Nokia	

**Discussion:**

**Conclusion:** NOTED

TDoc	Title	Source	Comment
T2-040195	CR 23.140 Rel-6 :MM4 Multiple recipients	Nokia	

**Discussion:**

**Conclusion:** AGREED

TDoc	Title	Source	Comment
T2-040212	Ericsson comments to Nokia's "MM4 Multiple recipients" CR (T2-040195)	Ericsson	

**Discussion:**

**Conclusion:** NOTED

TDoc	Title	Source	Comment
T2-040216	Nokia comments to Ericsson T2-040212	Nokia	

**Discussion:** Michael stated that with the Ericsson CR approved at the last meeting backwards compatibility has been broken since from TS 23.140 v6.5.0 onwards one MM4\_Forward.req is required per recipient address.

Josef pointed out that it's unfortunate that there is no statement in the spec pointing to earlier releases. The issue of CDR generation and capabilities of post processing systems has also to be addressed. Matthias reminded that the GSMA prefers the unbundling solution. Josef replied that this is the solution chosen by the GSMA but that

T2 should at least investigate if there is a better solution. Ian supported Josef in that the removal of a feature should be only the last resort (“sledge hammer approach”). However, this was what was decided at T2#24 in Malaga.

Michel explained that the bundling feature is already there since Rel-4 but was never fully defined to make it work properly.

Josef suggested to meet with some SA5 experts to elaborate a solution to the problem. It was noted that SA5 also meets in Montreal 16-20 August which is one week prior to the T2 meeting. Josef encouraged interested delegates to participate in the SA5 meeting for this subject.

It was suggested to create a CR which tries to solve the problem but also includes both options (bundling and un-bundling) and send this to SA5 and GSMA.

Friedhelm reported that according to TS 32.235 the list of recipients is provided on the Originator MM4 Forward Request record (O4FRq-CDR) only but missing on the Originator MM4 Forward Response record (O4FRs-CDR).

Working assumption on MM4 bundling were developed in T2-040248.

**Conclusion:** NOTED

Tdoc	Title	Source	Comment
T2-040248	SWG3's working assumptions on MM4 bundling	SWG3	

**Discussion:**

**Conclusion:** ENDORSED

TDoc	Title	Source	Comment
T2-040246	CR 23.140 Support for multiple and single recipients on MM4	Nokia	

**Discussion:** It was clarified that an MMS R/S who sends unbundled still shall be able to understand incoming MM4\_forward.req with multiple recipients. Regarding how such an MMS R/S responds: Prior to v6.1.0 the recipient R/S always responded with one response and later it is possible to respond with several responses.

Matthias expressed his objection to the original draft version of the CR.

Several revisions were done to the draft version including the addition of a note.

Josef suggest to agree this CR conditionally: It will be automatically agreed in Montreal unless a serious concern being expressed by SA5/GSMA. An LS to SA5 and GSMA was created in T2-040249.

Matthias raised the question how to proceed with the CR157 (T2-040145) which was rejected at TSG-T#23 because of Nokia's concerns. He proposed to consider re-approval of the CR an resubmitted it later in T2-040251. Nokia still maintained their concerns on this CR expressed to TSG-T#23.

**Conclusion:** CONDITIONALLY AGREED

TDoc	Title	Source	Comment
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T2-040249	LS to SA5 and GSMA on MM4 unbundling	SWG3	
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**Discussion:****Conclusion: AGREED**

TDoc	Title	Source	Comment
T2-040251	CR 23.140 Rel-6 Clarification of recipient list	T-Mobile	

**Discussion:** An earlier version of this CR was agreed at the T2#24 and rejected at TSG-T#23 because of objections from Nokia. Nokia is now basically happy with the CR but has a few questions to be addressed. Matthias will lead an email discussion on this CR.

**Conclusion:** NOTED



## Annex A – Complete Document List

T2-040173	LS from CN4 on identifying MMS Enabled devices and MMS Capabilities of those devices	N4-040353	SWG3	Noted
T2-040174	LS from OMA-MWG-MMSG on Target UE Elements in MMS	OMA-MWG-2004-0020	SWG3	Noted
T2-040175	LS from TSG-T on MMS as a Bearer for USAT	TP-040060	SWG3	Noted
T2-040176	LS from OMA-MWG about capturing network-independent MMS requirements in OMA	OMA-MWG-2004-0019	SWG3	Noted
T2-040177	LS from 3GPP2 TSG-X on MMS transfer to OMA	3GPP2 TSG-X	SWG3	Noted
T2-040179	CEPT/ECC consultation on use of short codes	CEPT/ECC	SWG3	Noted
T2-040188	SIP URL in MMS addressing	Nokia Corporation	SWG3	Noted
T2-040189	Compatibility in using MMS to transport application data	Nokia Corporation	SWG3	Noted
T2-040190	TS 23.234 3GPP/WLAN Interworking	TSG-SA	SWG3	Noted
T2-040192	CR 23.040 Rel-6 Enhanced Voice Mail Notification	RIM	SWG3	noted
T2-040195	CR 23140 REL-6 MM4 Multiple Recipients	Nokia Corporation	SWG3	approved
T2-040196	MM4 Partial addressing failure	Nokia Corporation	SWG3	Noted
T2-040198	Application ID, Minutes of "meeting" of the conference call held 2004/03/24	Ericsson	SWG3	Noted
T2-040199	CR 23140 REL-6 Correcting "X-Mms-Read-Status" erroneous mapping on Annex I	Ericsson	SWG3	approved
T2-040200	CR 23140 REL-6 Changing erroneous OMA references from MMS1.1 to MMS1.2	Ericsson	SWG3	noted
T2-040201	CR 23140 REL-6 Support of the generic OMA Application ID	Ericsson	SWG3	Noted
T2-040203	CR 23140 REL-6 Application-Data in MMS	Ericsson	SWG3	Noted
T2-040204	CR 23140 REL-6 Support of the SIP URL as a valid MMS address	Ericsson	SWG3	Noted
T2-040205	CR 23140 REL-6 Multi MMS Relay Servers	Ericsson	SWG3	Noted
T2-040206	CR 23140 REL-6 Application ID Change Request	Motorola	SWG3	Noted
T2-040207	IMS Deferred Messaging Support for MMS	Motorola	SWG3	Noted

T2-040208	CR 23140 REL-6 MM7 Roaming Indication	Nokia Corporation	SWG3	Noted
T2-040209	CR 23140 REL-6 MM7 delivery conditions for MMS	T-Mobile, Orange	SWG3	Noted
T2-040210	Messaging Service Control Function, Use Cases	T-Mobile	SWG3	Noted
T2-040211	CR 23140 REL-6 Support of Messaging Service Control Function (MSCF)	T-Mobile	SWG3	Noted
T2-040212	Ericsson comments to Nokia's "MM4 Multiple recipients" CR (T2-040195)	Ericsson	SWG3	Noted
T2-040213	CR 23140 REL-6 Addition of status text in the MM1_delivery_Report.Req message	China mobile, Comverse	SWG3	Noted
T2-040214	CR 23140 REL-6 Addition of MMS Relay/Server address in MM1 notification message	Chinamobile	SWG3	Noted
T2-040215	CR 23140 REL-6 Addition of reply-charging limitation in MM4_forward.REQ message	Chinamobile	SWG3	Noted
T2-040216	Nokia comments to Ericsson T2-040212	Nokia Corporation	SWG3	Noted
T2-040217	SWG3 Agenda	Infineon	SWG3	approved
T2-040218	Use case for Reply-to-Application-ID	Infineon	SWG3	Noted
T2-040219	Status of MMS support for Application Addressing as of 2004-04-02	Infineon	SWG3	Noted
T2-040220	MMS as IMS Deferred Messaging Discussion	Motorola	SWG3	Noted
T2-040221	Questions on Application ID	Motorola	SWG3	Noted
T2-040223	Letter from 3GPP PCG to OMA Board on 3GPP cooperation with OMA (sent 16/04/2004)	TSG-T chairman	SWG3	Noted
T2-040235	SA approved MMS stage 1 CRs	MCC	SWG3	Noted
T2-040236	CR 23140 REL-5 Changing erroneous OMA references from MMS1.1 to MMS1.2	Ericsson	SWG3	approved
T2-040237	CR 23140 REL-6 Changing erroneous OMA references from MMS1.1 to MMS1.2	Ericsson	SWG3	approved
T2-040238	CR 23.040 Rel-6 Enhanced Voice Mail Notification	RIM	SWG3	approved
T2-040239	Reply to CEPT/ECC consultation on use of short codes	RIM	SWG3	approved
T2-040240	Reply-LS to SA2 cc SA on TS 23.234 3GPP/WLAN Interworking	RIM	SWG3	approved
T2-040241	SWG3 working assumptions on Application ID	SWG3	SWG3	endorsed

T2-040242	Additional SWG3 working assumptions on MMS support for Application Addressing	SWG3	SWG3	endorsed
T2-040243	CR 23140 REL-6 Size Indication By MMS User Agent	T-Mobile	SWG3	approved
T2-040244	SWG3 working assumptions on MMS as IMS deferred messaging in REL-6	SWG3	SWG3	endorsed
T2-040245	CR 23040 REL-6 optional IEI statement	RIM	SWG3	approved
T2-040246	CR 23140 REL-6 Support for multiple and single recipients on MM4	Nokia Corporation	SWG3	Conditionally approved
T2-040247	CR 23140 REL-6 MM7 delivery conditions for MMS	T-Mobile, Orange	SWG3	approved
T2-040248	SWG3 working assumption on MM4 unbundling	SWG3	SWG3	endorsed
T2-040249	LS to SA5 and GSMA on MM4 unbundling	Nokia Corporation	SWG3	approved
T2-040250	Color-doded CR 23140 REL-6 Support of Messaging Service Control Function (MSCF) highlighting concerned areas	T-Mobile	SWG3	Noted
T2-040251	CR 23.140 Rel-6 Clarification of recipient list	T-Mobile	SWG3	Noted
T2-040252	SWG3 report at T2#25	SWG3 chairman	SWG3	

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## Annex F Report from CN4/T2 SWG2 Joint Meeting on GUP

**T2-040183**

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### ES Executive Summary

This CN4/T2 joint meeting was dedicated to Generic User Profiles issues. A possible transfer of T2's GUP specifications to CN4 was discussed.

#### **General:**

The meeting was opened by the Co-Chairs, Mr. Peter Schmitt (Siemens) and Mr. Prem Sood (Sharp) on 9.00 am, 20<sup>th</sup> April 2004. The T2 chairman Mr. Ian Harris (RIM) welcomed delegates and reported from T2's decision to abandon its SWG structure and move out the GUP work.

Friedhelm Rodermund (MCC) did the secretary duties for the meeting.

The proposed Agenda in Draft4 of T2-040182 was approved.

#### **Generic User Profiles –**

Presentations on the status of work for Generic User Profiles were discussed and some areas of overlap and misalignment identified.

Way forward: T2 will create an LS to CN4, SA2 and other groups proposing the transfer of TS 23.241 and TS 24.241. CN4 intends to make their decision at the next CN4 meeting in May. The decision of specification transfer has then to be endorsed by TSG-T and TSG-CN and possibly TSG-SA (only in case some work is transferred to SA2 which seems unlikely). The current rapporteurs of TS 23.241 and TS 24.241 (Kurt Bischinger and Prem Sood) announced that they will not continue in their role after a specification transfer.

#### **Future Meetings:**

None

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## ES Detailed Report

### **1. Opening of the meeting**

The meeting was opened by the Co-Chairs, Mr. Peter Schmitt (Siemens) and Mr. Prem Sood (Sharp) on 9.00 am, 20<sup>th</sup> April 2004. The T2 chairman Mr. Ian Harris (RIM) welcomed delegates and reported from T2's decision to abandon its SWG structure and move out the GUP work.

Friedhelm Rodermund did the secretary duties for the meeting.

The proposed Agenda of the meeting in Draft4 of T2-040182 was approved.

16 delegates attended the meeting.

The Meeting closed at 1:00 pm on Tuesday April 20.

#### **1.1. Approval of the proposed Agenda**

##### **Document – T2-040182**

<b>TDoc No.</b>	<b>Title</b>	<b>Source</b>	<b>Status</b>
T2-040182	Draft 4 JM T2SWG2-CN4 meeting agenda	Co-Chairs	<b>Approved</b>

##### **Presented by –**

Prem Sood

##### **Resolution –**

The draft4 of the agenda was approved.

### **2 Allocation of documents to agenda items.**

See agenda in T2-040182

### **3 Status and Description of Specifications in T2 and CN4 WGs.**

Tdocs 184, 225

##### **Document – T2-040225**

<b>TDoc No.</b>	<b>Title</b>	<b>Source</b>	<b>Status</b>
T2-040225	TS 23.241 Status and General Description	rappporteur	noted

##### **Presented by –**

3GPP

Kurt Bischinger (T-Mobile)

### **Discussion –**

Prem Sood thanked Kurt for all his work done as rapporteur for TS 23.241. It was clarified that one of the motivations for the GUP schema is to have the data objects only defined once and re-used several times by multiple applications. To fulfil that basic service requirement root schemas were defined which are used as templates. The original motivation was to improve the handling of the user profile data but GUP is not restricted to that.

The question was raised by CN4 delegates why the data description method using the XML schema was chosen? This was considered by T2 to be the best way to describe the data in an abstract sense. Furthermore, CN4 asked why some of the restrictions were made by T2. A concern was expressed that the solution chosen by T2 is not the most wide spread one and therefore this might delay the introduction of GUP. Prem volunteered to dig out the relevant documents describing why XML schema was chosen for GUP and listing pros and cons of alternatives. He will post these documents to CN4.

### **Resolution –**

noted

### **Document – T2-040184**

<b>TDoc No.</b>	<b>Title</b>	<b>Source</b>	<b>Status</b>
T2-040184	TS24.241 Status and General Description	rapporteur	noted

### **Presented by –**

Prem Sood

### **Discussion –**

Prem explained that TS 24.241 serves as a vessel for storing and listing new Profiles, Profile Component Groups, Profile Components, Datatypes, and other constructs for use in 3GPP applications within various specifications, thereby serving as a means to manage the process of adding new entities of these types.

It was clarified that Annex B1 GPRS Parameters is only an example for the usage of GUP. It has not been updated since it was introduced some time ago. Prem clarified that some raw material was collected in the Annexes and that the DDM and GUP objects created from it should be stored in the main body of the specification.

### **Resolution –**

noted

### **Document – TS 29.240**

Peter Schmitt reported that the intention is to present 29.240 for information at the earliest to the next TSG-T in June and for approval in September. The document was not presented because it is still in an early draft status.

## **4 Plan for further work in 3GPP WGs**

Tdocs 100, 185, 226

3GPP

**Document – T2-040226**

<b>TDoc No.</b>	<b>Title</b>	<b>Source</b>	<b>Status</b>
T2-040226	TS 23.241 Coordination items	Rapporteur	noted

**Presented by –**

Kurt Bischinger

**Discussion –**

The document compares TS 23.241 with TS 29.240 and identifies areas of possible conflict and overlap in these specifications.

It was reported that T2 has decided to move out the GUP work. Feedback from CN4 was requested regarding their interest in taking over the responsibility. The CN4 chairman explained that the group who takes on TS 23.241 would have a lot of interworking with CN4. Therefore, it would make sense to move this specification to CN4.

Concerns were expressed that there is a conflict between the method used for data modelling in CN4 and T2. However, there was a principle agreement amongst CN4 delegates to accept responsibility of TS 23.241. This would avoid many coordination issues and would reduce the risk of divergence.

It was clarified that the name space administration for XML schema could be done in TS 23.003.

Prem clarified that TS 23.241 so far does not include any terminal specific aspects.

**Resolution –**

noted

**Document – T2-040185**

<b>TDoc No.</b>	<b>Title</b>	<b>Source</b>	<b>Status</b>
T2-040185	TS24.241 Coordination Items	Rapporteur	noted

**Presented by –**

Prem Sood

**Discussion –**

TS 24.241 is intended to facilitate re-use via cataloging and storage. Prem clarified that since this document is stage 3 CN4 would be the right home for it. No objections from CN4 delegates were expressed.

Should Annexes B.x be kept after data objects creation, or removed ? This can only be decided later after the first application which defines its data objects for storage in TS 24.241 has been defined. The decision will be based on the usefulness of the Annexes for the data objects creation.

CN4 expressed their preference to receive TS 24.241 from T2 before it is put under change control.**Resolution –**

noted



**Document – T2-040100**

<b>TDoc No.</b>	<b>Title</b>	<b>Source</b>	<b>Status</b>
T2-040100	LS from T2 to CN4, SA2, SA5, CN5 cc TSG-T, TSG-CN on latest version of 23.241 and proposed work assignments	T2	noted

**Presented by –**

Prem Sood

**Discussion –**

The LS makes 4 proposals regarding TS 23.241 to be discussed at this joint meeting.

**Resolution –**

Peter concluded that there is an agreement to align 23.241 and 29.240.

In their LS T2 proposes to CN4 that Templates for GUP (Profile) Component Schemas are already well-developed in TS23.241, and therefore TS23.241 should be the TS for all further work in this area. CN4 delegates stated that further investigations on this topic are required before a decision can be made.

**5 Items in TS's requiring Detailed Work Coordination discussion**

Tdocs 227

**Document – T2-040227**

<b>TDoc No.</b>	<b>Title</b>	<b>Source</b>	<b>Status</b>
T2-040227	ASN.1 for XML Schema language	Orange	noted

**Presented by –**

Emmanuel Gay

**Discussion –**

The aim of this discussion paper is to provide some information to 3GPP members about ASN.1 technology that can be applied to XML Schema language and to highlight the benefit of such technology for XML based interface like the Rg and Rp reference point of GUP functionality in the 3GPP network.

Peter raised the question whether T2 has done any investigations on requirements on encoding and performance issues and bandwidth efficiency in particular related to performance requirements on the UE ? Prem replied that T2 has not done these kind of estimations. Kurt reported that the focus of GUP has changed over the years and that it is not more intended being used for applications in the network. Kurt does not expect GUP being used for data transfer to/from the terminal. Prem referred to an old proposal (T2-030035) for having a GUP agent in the terminal which was sent to SA2 and accepted. Prem clarified that this was the only piece of work which was terminal related and that everything else was network related.

**Resolution –**

noted

## **6. Approval of Output Drafts and Documents for T2, CN4 Approval.**

T2-040183	Report of JM T2 SWG2 - CN4	T2 secretary	
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## **7. Deferred Items**

None

## **8. Next Steps, Future Meetings, Time Requirements**

T2 will create an LS to CN4, SA2 and other groups proposing the transfer of the two specifications. During this joint meeting there was a principle agreement of CN4 delegates to take over the responsibility for TS 23.241 and TS 24.241. The CN4 chairman explained that CN4 intends to make their decision at their next meeting in May. The decision of specification transfer has then to be endorsed by TSG-T and TSG-CN and possibly TSG-SA (only in case some work is transferred to SA2 which seem unlikely).

The current rapporteurs of 23.241 and 24.241 (Kurt Bischinger and Prem Sood) announced that they will not continue in their role after a specification transfer.

## **9. Any Other Business**

None

## **10. Close of the Meeting**

The joint meeting co-chairs Peter Schmitt and Prem Sood thanked the delegates for their active participation. The meeting was closed at 1:00 pm on Tuesday April 20.

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## Annex A List of all temporary documents

### **COLOR CODE**

**APPROVED - OUTPUT TO T2**

**NOTED/APPROVED – NO OUTPUT TO T2**

**PENDING / ACTION**

**NOT REVIEWED AT THIS MEETING**

**NOT DISCUSSED YET**

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### FINAL Document List

<b>TDOC</b>	<b>Subject</b>	<b>Source</b>	<b>Resolution</b>
T2-040100	LS from T2 to CN4, SA2, SA5, CN5 cc TSG-T, TSG-CN on latest version of 23.241 and proposed work assignments	T2	noted
T2-040182	Draft 4 JM T2SWG2-CN4 meeting agenda	Co-Chairs	Approved
T2-040183	Report of JM T2 SWG2 - CN4	T2 secretary	
T2-040184	TS24.241 Status and General Description	rapporteur	noted
T2-040185	TS24.241 Coordination Items	Rapporteur	noted
T2-040225	TS 23.241 Status and General Description	rapporteur	noted
T2-040226	TS 23.241 Coordination items	Rapporteur	noted
T2-040227	ASN.1 for XML Schema language	Orange	noted

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# Annex B FINAL AGENDA

3GPP JM TSG-T2 #25-CN WG4  
Edinburgh, UK  
20 April 2004

*T2-040182*

**Agenda Item:** 1.0

**Source:** Co-Chairs

**Title:** JM T2SWG2-CN4 FINAL Agenda

**Document for:** Approval

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## 1. Opening of the meeting

1.1 Approval of this Meeting's Agenda, Chairmens' comments Draft x 182

## 2. Allocation of documents to agenda items

Input liaison statements: allocation to agenda items as appropriate

## 3. Status and Description of Specifications in T2 and CN4 WG's

3.1 Status and Description of TS23.241 186>225

3.2 Status and Description of TS24.241 184

3.3 Status and Description of TS29.240

## 4. Plan for further work in 3GPP WGs – high level discussion/direction

4.1 TS23.241 187>226, 400

4.2 TS24.241 185

4.3 TS29.240

## 5. Items in TS's requiring Detailed Work Coordination discussion

5.1 TS23.241 187>226, T2-040227/N4-040470, 100,

5.2 TS24.241 185

5.3 TS29.240

## 6. Approval of Output Drafts and Documents for T2, CN4 Approval

6.1 Liaison Statements, etc. xx

6.2 Meeting Report of this SWG2 meeting Draft x 183

## 7. Deferred Items

### 9. Next Steps, Future meetings, Time requirements

Next JM with CN4 on GUP, DDM – ??( TBC)

### 9. Any Other Business

## 8. Close of JM

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## Annex C List of Participants

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