

Draft T2#27 Report v 0.2

**3rd Generation Partnership Project (3GPP);
Technical Specification Group Terminals (TSG-T);
Working Group 2 Mobile Terminal Services and Capabilities;
Draft Meeting Report
T2#27
Cape Town, South Africa, 8-12 November 2004**



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Chairman: Ian HARRIS (RIM)

Secretary: Friedhelm RODERMUND (MCC)

1 Opening Plenary

1.1 Opening of the meeting

T2 chairman Ian HARRIS (RIM) opened the meeting. Barry VLOK welcomed the delegates to Cape Town on behalf of the Vodacom.

1.2 Approval of the agenda and schedule

T2-040375 contains the agenda and schedule. The agenda was agreed.

1.3 Notification of IPR Obligations

The chairman made the call for IPRs:

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

The members take note that they are hereby invited:

- to investigate in their company whether their company does own IPRs which are, or are likely to become Essential in respect of the work of the Technical Specification Group.
- to notify the Director-General, or the Chairman of their **respective** Organizational Partners, of all potential IPRs that their company may own, by means of the IPR Statement and the Licensing declaration forms (e.g. see the ETSI IPR forms <http://webapp.etsi.org/lpr/>).

1.4 Report from T2#26

T2-040376 contains the report of T2#26, Montreal, 23-27 August 2004.

Status: APPROVED

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

ftp://www.3gpp.org/TSG_T/WG2_Capability/TSMT2_26/Report

1.5 Report from TSG-T#25

T2-040377 contains a summary of issues of T2 interest from the T#25 meeting held in Palm Springs, USA, 8 - 10 September 2004 presented by the T2 secretary.

Status: NOTED

T2-040378 contains the draft TSG-T#25 meeting report.

Status: NOTED

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

ftp://ftp.3gpp.org/TSG_T/TSG_T/TSQT_25

The specifications updated after T#25 can be found at:

ftp://www.3gpp.org/Specs/2004_09

1.6 Report from TSG-SA#25

T2-040377 contains a summary of issues of T2 interest from SA#25 meeting held in Palm Springs, CA, USA, 13 - 16 September 2004 and was presented by the T2 secretary.

Status: NOTED

T2-040379 contains the draft TSG-SA#25 meeting report.

Status: NOTED

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

ftp://ftp.3gpp.org/TSG_SA/TSG_SA/TSQS_25

1.7 Report from TSG T2 Ad Hoc meetings

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

1.8 Report from other 3GPP groups

No issues were raised under this agenda item.

1.9 Report from other meetings

The T2 chairman reported from the PCG decision on 3GPP restructuring:

TSG-T and TSG-CN will be merged into a new TSG called TSG-CT. T2 and T3 will go under this new TSG-CT, and T3 will go under the "new" TSG-RAN. The last meetings under the old structure will be held in March 2005. At this meeting also elections will be held.

1.10 3GPP work plan and specification status

T2-040380 contains the latest version of the 3GPP work plan. Besides listing all the work items including the expected completion date and a progress indication, a lot of other useful information can be found (link to the WID, name of work item rapporteur etc.). The work plan is the main management tool for the 3GPP work program. All WGs are requested by the TSGs to review and update the work plan at each meeting.

Discussion: Friedhelm reported that the only open T2 work items are the three work items on MMS, and that TSG-T intends to close all of them at the next meeting.

Status: NOTED

T2-040381 contains the list of TSs and TRs for which T2 is responsible showing the latest versions of these specifications. It also includes all the rapporteur updates agreed upon at the last T2 meeting.

Status: NOTED

T2-040428 contains a document about specs and reports to upgrade to Rel-6. T2 needs to decide which specs to upgrade which will then have to be endorsed by TSG-T.

Discussion: For each of the upgrade "candidates" a short discussion took place if the document is needed in Rel-6.

Status: NOTED. The following will be suggested to TSG-T:

Specs to upgrade:

TS	23.042	Compression algorithm for SMS	<i>Unknown if this is implemented in devices but might still be useful.</i>
TS	27.005	Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)	<i>Includes AT commands for SMS. Definitely needed.</i>
TS	27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol	<i>Not known if widely implemented.</i>

Specs NOT to upgrade:

TR	23.039	Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)	<i>Rapporteur thinks that this TR is not needed any longer as it only contains outdated references and is probably not used.</i>
TS	23.227	Application and user interaction in the UE; Principles and specific requirements	<i>It was felt that this spec which has no rapporteur is not needed anymore as it is probably not used.</i>
TR	27.901	Report on Terminal Interfaces - An Overview	<i>It was felt that this document is outdated and was only needed in the beginning of 3GPP as it documents the decision not to standardise any physical connector.</i>
TS	27.103	Wide Area Network Synchronization	<i>Outdated</i>

1.11 Registration and subject classification of documents

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

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

ftp://www.3gpp.org/TSG_T/WG2_Capability/TSGT2_27_CapeTown/Docs

1.11.1 Incoming Liaison Statements

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

T2-040384 contains an LS from TSG-T to 3GPP2-TSG-C, 3GPP2-TSG-C-WG1-SWG1.4, TSG T2, TSG T3 on harmonization of MMS provisioning files between 3GPP & 3GPP2. TSG T2 and TSG T3 are requested to complete any necessary work to provide the service requested by 3GPP2 TSG-C.

Discussion: A revised CR will probably be presented to the next T3 meeting.

Status: NOTED

T2-040385 contains an LS from SA2 to OMA PAG cc 3GPP TSG_CN WG 1, 3GPP TSG_T WG 2, 3GPP TSG_SA, 3GPP TSG_CN on work split 3GPP/3GPP2/OMA on Presence. SA2 asks OMA PAG group to confirm that the Presence architecture specified in OMA is consistent with the architecture defined in 3GPP TS 23.141 and would like to be informed about future architectural aspects to secure consistence between the 3GPP architecture and OMA Presence.

Status: NOTED

T2-040386 contains an LS from SA3 to SA1 cc SA2, T2, T3 on USIM and ISIM selection in the UE. SA3 acknowledges the concerns raised by T2, but would like to point out that the proposed UICC application selection dialogue with the user is optional for implementation and use, would be based on labels in the UICC understandable to the user, and would give the user the most control over which of his subscriptions is used in which context.

Status: NOTED

T2-040387 contains an LS from SA3 to CN4 cc T2 on SMS Fraud countermeasures. In this LS SA3 reports their conclusions on this topic and requests CN4 to modify 29.002 accordingly.

Status: NOTED

T2-040388 contains an LS from SA3 to T2 cc T3 on EAP Authentication commands for WLAN interworking. SA3 kindly asks T2 to consider options A) and B) explained in the LS, and possibly other solutions, and implement the required functionality within Rel-6 time frame. It would also be appreciated if T2 could indicate that a unified solution was seen as possible, but not in the Rel-6 timeframe. Furthermore, SA3 asks T2 to address SA3's concerns pointed out in section 1.2, e.g. by mandating a secure lock mechanism on the "Generic access" command.

Discussion: T-Mobile announced a CR to address this topic in T2-040415. Furthermore, Axalto announced also a CR in T2-040410 addressing some of the issues. Vodafone announced to provide comments on the topic. At the time of discussing the LS, there was no general consensus for either option A or B.

Status: NOTED. See further discussion at the AT command session.

T2-040389 contains an LS from SA3 to CN1, CN4, SA2 cc T2 on Security aspects of early IMS systems. SA3 gives an update on the status of the attached draft TR 33.878 on security aspects of early IMS.

Status: NOTED

1.12 Presentations to Opening Plenary

None.

1.13 Future meetings

It was agreed to change the date of T2#28 to 8-10 Feb 2005.

Please find the future meeting date below.

Meeting	Date	Location	Host
T#26	13 - 16 Dec 2004	Athens, Greece	European Friends of 3GPP
T2#28 tbc	8 - 10 Feb 2005	Sophia Antipolis	ETSI
T#27	9 - 11 Mar 2005	Tokyo	

For the complete 3GPP on-line meeting calendar see <http://www.3gpp.org>. It was available at this meeting in **T2-040382** which was **NOTED**.

1.14 AOB

None.

1.15 Close of Opening Plenary

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

2 AT Commands

T2-040392 provides information on problems to uniquely address File IDs on (U)SIM; Source: Infineon

Content: The documents points out that unfortunately a File ID may not necessarily be unique over all directories on the USIM. Problems arise as soon as File IDs are selected by the AT command +CRSM as the desired directory (e.g. Dedicated File) cannot be specified. A CR is proposed to solve these problems.

Discussion: The meeting agreed that the problem identified should be solved. However, some concerns were expressed of solving this problem also in the early releases (R99 and Rel-4).

Status: **NOTED**

T2-040396 CR 27.007 Rel-6 AT+CRSM File IDs on (U)SIM; Source: Infineon

Content: It is proposed to add an optional parameter to select the directory.

Discussion: Nokia commented that this is potentially a Rel-7 issue. Furthermore, Nokia thinks that the proposed solution would not work as anticipated because the USIM is not selectable by path. They also pointed out that there are security impacts on doing this. Axalto replied that they think the issues identified by Nokia can be accommodated by rewording and clarifying the CR. Ericsson supported the CR in principle but requested some rewording.

Status: It was agreed to create only Rel-5 and Rel-6 CRs for this. **T2-040396** was **REVISED** to **T2-040438**. The corresponding Rel-5 CR in **T2-040395** was **REVISED** to **T2-040437**. The corresponding R99 and Rel-4 CRs in **T2-040393** and **T2-040394** were **NOTED**.

T2-040464 CR 27.007 Rel-6: Additional parameter for AT command +CRSM (Restricted SIM access); Source: Nokia

Content: It is proposed to add an optional parameter to select the directory. This CR proposes an alternative method: select by path from MF instead from the current DF.

Discussion: Axalto was not convinced that it was the best method to select the path from MF as this seems to go back to the first proposal. However, they think this will work as well. Axalto proposed to restrict these changes to the logical channel access command.

Status: **NOTED**

T2-040438 CR 27.007 Rel-6 Additional parameter for AT command +CRSM (Restricted SIM access);

Source: Infineon

Discussion: Several changes were done to the draft versions of the CR.

Status: **AGREED**

T2-040437 CR 27.007 Rel-5 Additional parameter for AT command +CRSM (Restricted SIM access);

Source: Infineon

Status: **AGREED**

T2-040398 CR 27.007 Rel-4 Corrections of AcTs of PLMN section; Source: Nokia

Content: New AcT value GSM/UTRAN added to the +COPS command. A note explaining the situation after the selection is added to the specification.

Discussion: Nicola asked to have some clarification why almost identical CRs were withdrawn at T#21. Paul reported that there were some issues regarding background scan identified by CN1 and the withdrawal was then based on an off-line rejection of the CRs by Motorola. It was commented that the Nokia CR is an alternative way of the solving the problem Infineon is raising. However, the meeting did not see the relationship. It was proposed to clarify the optionality of the new AcT value.

Nicola asked for clarification why Nokia objected to adding access selection functionality to +WS46 when the same functionality is now proposed for +COPS. Nokia replied that the objection was the use of "set".

The question was raised why this change was required to a Rel-4 spec. Nokia felt that the CR was required for Rel-4 but there was not much support for this. However, there were no objections on the Rel-5 and Rel-6 CRs.

Status: **NOTED**

T2-040399 CR 27.007 Rel-5 Corrections of PLMN section; Source: Nokia

Discussion: See discussion of T2-040398. The work item code, the affected specs have to be corrected (no other specs affected).

Late Discussion: The CR was originally agreed. However, on the last meeting day, Infineon reported that they identified some issues on this CR. The major concern is that the CR introduces a new code point for the access technology called GSM/UTRAN. This new code will probably not be backwards compatible. From the response it is not clear how it can be used. The requirement that only value shall be returned is in conflict with TS 23.122. NTT DoCoMo supported Infineon concerns. Also, this CR seems rather to be an addition of a feature rather than a correction. It was finally agreed to remove the new code points and to do some other modifications to the CR.

Status: REVISED to T2-040472 which was AGREED

T2-040400 CR 27.007 Rel-6 Corrections to AcTs of PLMN section; Source: Nokia

Discussion: See discussion of T2-040398. The work item code, CR category and the affected spec have to be corrected.

Late Discussion: The CR was originally agreed. However, on the last meeting day, Infineon reported that they identified some issues on this CR. See discussion under T3-040399.

Status: REVISED to T2-040473 which was AGREED

T2-040388 contains an LS from SA3 to T2 cc T3 on EAP Authentication commands for WLAN interworking.

Discussion: This LS was already presented during the opening plenary, however, it was presented and discussed again during the AT command session.

Axalto thinks it is important to put all SA3 comments in their context. They stated that in some contexts this command might create security issues. It is important to define in which context security issues may arise. Nicolas highlighted that at the last meeting, T2 improved this situation and introduced a very useful command.

Looking at the attached SA3-agreed CR, it seems that SA3 are supporting option A.

It seems confusing that SA3 has chosen to use this command if they consider it as unsecure.

Status: NOTED

T2-040436 contains email correspondence on EAP authentication commands for WLAN interworking.

Content: This document contains comments from Sharp, T-Mobile, and Vodafone.

Discussion: Related to the Vodafone comment, Axalto explained that the way T2-040401 was done was the way requested by SA3. However, modifications are necessary to address the concerns.

Status: NOTED

T2-040401 CR 27.007 Rel-6: Improve security in SIM/UICC generic access for WLAN EAP use; Source: Axalto

Content: This CR proposes to introduce a new filtering rule in Generic SIM/UICC access +CSIM command and Generic UICC Logical Channel access +CGLA command regarding the network authentication.

Discussion: This CR seems to support action A of the LS in T2-040388. Axalto clarified that this change should be done in any case irrespective of the outcome of the discussion on T2-040388. Nicolas requested further comments on this document.

Status: REVISED to T2-040453

T2-040453 CR 27.007 Rel-6: Improve security in SIM/UICC generic access for WLAN EAP use; Source: Axalto

Discussion: Nokia expressed their concerns on the proposed solution.

Status: AGREED

T2-040415 CR 27.007 Rel-6: Commands for EAP authentication; Source: T-Mobile

Content: Introduction of a new EAP authentication related command allowing the TE to send the EAP Authenticate command to the UICC or to the MT, and to retrieve the resulting parameters.

Discussion: Nokia supported the CR in principle, however, they requested to add a note clarifying that anything other method than EAP-AKA is optional. Steffen replied that the change proposed by Nokia would be better placed in the relevant SA3 specification. This was also the feeling of the group.

Status: REVISED to T2-040468 which was AGREED

T2-040410 CR 27.007 Rel-6: Correction of file identification in +CRLA command; Source: Axalto

Content: It is proposed to expand the File ID parameter in +CRLA command from a file Id to an entire path. This way, all the files with the same file Id but in a different place in the file structure can be identified.

Status: REVISED to [T2-040434](#) which was REVISED to [T2-040466](#). (T2-040410 and T2-040434 were not presented)

[T2-040466](#) CR 27.007 Rel-6: Correction of file identification in +CRLA command; Source: Axalto

Discussion: Axalto clarified that they don't expect that changing File ID to file path does leads to any backwards compatibility problems.

Status: AGREED

[T2-040413](#) CR 27.007 Rel-6 AT+CRLA File IDs on UICC; Source: Infineon

Content: It is proposed to add an optional parameter to select the directory.

Status: NOTED

[T2-040467](#) LS from T2 to SA3 cc T3 on EAP Authentication commands for WLAN interworking

Content: T2 asks SA3 to update TS 33.234 to modify the EAP authentication procedure description by utilising the AT commands introduced in TS 27.007.

Discussion: Several additions were done to the LS on-line.

Status: REVISED to [T2-040471](#) which was AGREED

[T2-040407](#) CR 27.007 Rel-6: Introduction of UICC Application Discovery Command +CUAD; Source: Axalto

Content: In order to use logical channel mechanism it is needed to know the AID (Application identifiers) of the selectable applications on the UICC.

Discussion: Concerns were expressed from NTT DoCoMo and Nokia on having the AT command mandatory. Axalto agreed to have it optional and to revise the CR accordingly.

Status: REVISED to [T2-040439](#) which was AGREED

[T2-040433](#) CR 27.007 Rel-6: Clarification on the use of PIN with (U)SIM; Source: Axalto

Content: An additional paragraph is added under chapter 8.3 "Enter PIN" in order to introduce the use of the USIM in addition to the SIM

Discussion: It was proposed to have this as an editorial change, however, according to Friedhelm's view this text seems useful to implementers and the CR should therefore not be cat D. Only minor editorial changes should be classified as Cat D. It was agreed to put the proposed clarifying text into a note as it is only for information. There was no support for making this change to R99, Rel-4 and Rel-5.

Status: REVISED to [T2-040452](#) which was AGREED. The corresponding CRs to R99, Rel-4, Rel-5 in [T2-040430](#), [T2-040431](#), [T2-040432](#) were NOTED.

[T2-040402](#) CR 27.007 Rel-6: Editorial modifications to +CGLA and +CRLA commands; Source: Axalto

Content: In Table 102 +CSIM is changed to +CGLA, in Table 103 +CRSM is changed to +CRLA.

Discussion: It was clarified that the CR corrects a copy/paste error.

Status: AGREED

[T2-040408](#) CR 27.007 Rel-6: Add RETRIEVE DATA and SET DATA APDU commands in +CRSM and +CRLA AT commands; Source: Axalto

Content: Addition of RETRIEVE DATA and SET DATA in the command list of Restricted SIM access +CRSM and Restricted UICC Logical Channel access +CRLA

Discussion: It was clarified that this is an alignment of functionality with the SCP. Nokia asked what security aspects are associated with these extensions. Axalto thinks that there are no security issues with these extensions. It was clarified that without having this CR accepted, data stored in BER-TLV files on the UICC (e.g. MMS stored in the USIM) will remain inaccessible with +CRSM and +CRLA if these new APDU commands are not available. It was clarified that the AT commands can be used within a device which has a separation of applications and phone functions (TE inside ME).

Status: AGREED

T2-040409 CR 27.007 Rel-6: Extension of read, write and find phonebook entry commands for 3G phonebooks; Source: Axalto

Content: The CR extends Read, write and Find phonebook entry commands to support additional phonebook fields: <group>, <adnumber>, <secondtext>, <email>.

Discussion: Nicolas clarified that all the additional fields are optional and that therefore no backwards compatibility issues are expected. It was clarified that for AT commands there exists a mechanism how to deal with situations where too many parameters are received by the TE to MT. This change is required to align with new 3G phonebook functionality. Nokia raised their concerns on the proposed approach. It was not obvious if the whole group or every individual new parameter is optional and it was suggested that this should be clarified in the CR.

Status: REVISED to T2-040451

T2-040451 CR 27.007 Rel-6: Extension of read, write and find phonebook entry commands for 3G phonebooks; Source: Axalto

Discussion: Nokia commented that in their view this is not the right approach and that the proposed command extension is not necessary. Therefore, they objected to the CR. Nokia proposed a different way to access the phone book via the data access command.

Status: AGREED with one objection from Nokia noted.

3 SMS

No issues were raised under this agenda item.

4 MMS

4.1 Opening of the MMS session

The MMS session was chaired by the rapporteur of TS 23.140 Josef LAUMEN (Infineon). The agenda of the MMS session was approved in [T2-040390](#).

4.2 Action items from T#25, SA#25, T2#27 opening plenary

None.

4.3 Review Status of SWG3 action items from previous T2 meeting

Please find below the list of open actions from previous T2 meetings:

Action#	Related Tdoc	Related Tdoc title	Action	Responsible	Status
T2#26-006	none	MM7 Schema (not necessarily needed for REL-6)	Clarification of schema versioning, e.g. why did we choose a versioning different from spec versioning, why "MM7-x-y", how does it work, ...? => informative annex or part of MM7 annex (CR category F)	Michael (Nokia)	OPEN
T2#26-007	T2-040366	CR 23.140 Rel 6 Support of Messaging Service Control Function (MSCF)	Check if now there's a 3GPP procedure available for IANA registrations	Friedhelm (MCC)	CLOSED

T2#26-008	T2-040347	CR 23140 REL-6 Introducing Application Addressing in MMS	Check error codes on MM1, MM4, MM7 for applic ID => CR to Capetown; to be put on email discussion prior to Capetown	Henrik (TeliaSonera)	CLOSED
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Regarding action T2#26-007, Friedhelm reported that registration is done as usual via the IANA website. However, for certain objects an ETSI tree exists and the contact person to be entered should be John MEREDITH (ETSI MCC).

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

4.4 Incoming Liaison Statements

T2-040440 LS from 3GPP2 to T2 on CR 166 Introducing Application Addressing in MMS

Content: 3GPP2 TSG-X proposes in order to guarantee their global uniqueness, Application Identifiers shall be specified as MIME types that are registered with IANA.

Discussion: Josef commented that the Java Community has specified a format for Application Identifiers which is different from what is suggested by 3GPP2. Therefore, there is a risk of possible conflict. The solution proposed by 3GPP2 to use MIME types does not fit in with what has been done by the Java Community. The relevant Java specifications are already available since some time. Siemens proposed therefore to adopt the Java collision prevention mechanism for 3GPP MMS. This proposal was agreed in principle and Siemens volunteered to create a CR in T2-040455 and a draft LS to 3GPP2 in T2-040456.

Status: NOTED

T2-040427 WID on support of SMS and MMS over generic 3GPP IP access

Discussion: The target date in this WID is March 2005. Therefore, it's doubtful if this can be included in Release 6. It was commented that the schedule seems not to be realistic as there was no input at this T2 meeting. It was agreed that T2 will report to TSG-T that there was no input and that completion in Rel-6 seems unrealistic. "Reading between the lines" of the WID, this work item seems to be different from IMS messaging. It might include the use of SIP addressing, however, this seems not to be clear at this point in time.

Status: NOTED

4.5 MMS matters

4.5.1 MMS REL-4 issues

No issues were raised under this agenda item.

4.5.2 MMS REL-5 issues

No issues were raised under this agenda item.

4.5.3 MMS REL-6 issues

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

Friedhelm reported that there were no stage 1 CRs presented to TSG-SA or SA1.

4.5.3.2 Bug fixes

No issues were raised under this agenda item.

4.5.3.3 Application ID

T2-040455 CR 23.140 Rel-6: Adding collision prevention mechanism to application addressing; Source: Infineon

Content: After some off-line investigation, Infineon proposed a combined solution. Definition of a mandatory syntax for application identifier values such that they are:

- either MIME types that are registered with IANA, or
- a text string which basically includes the application developer's URL.

Discussion: It was noticed in the draft version of the CR that the Header Field Value Range only includes the Java mechanism. This was changed and some additional minor changes were done.

Status: AGREED

T2-040456 LS to 3GPP2 TSG-X, OMA-MWG-MMSG cc JSR on Introducing Collision Detection Mechanism into Application Addressing

Content: TSG-X expressed a concern about the global uniqueness of application identifier values. T2 acknowledges this concern and agreed to revise 23.140 such as to ensure the values' global uniqueness. The related changes are reported with LS.

Discussion: It was clarified that JSR stands for Java Specification Request and identifies as well groups as specifications.

Status: AGREED. T2-040455 to be attached.

T2-040411 CR 23.140 Rel-6: Precision for the recipient entities' behaviour upon reception of an abstract message containing a destination application identifier; Source: Orange

Content: This CR precises upon which transactions recipient entities shall check if the destination application resides on them, and the reporting behaviour in case the destination application does not reside on the recipient entities.

Status: AGREED

T2-040442 CR 23.140 Rel-6 Error Status Codes related to Application Addressing over MM7; Source: TeliaSonera

Content: This CR proposes the addition of Error Status Codes for Application Addressing on MM7.

Discussion: Michel commented that it would also be useful to have these application related error codes between terminals (e.g. for games). It was clarified that OMA MMS specs would need to reflect similar error codes on MM1 level. Ericsson and Nokia reserved their position and might request changes to the CR at TSG-T in case they identify any issues.

Status: AGREED

4.5.3.4 IMS Messaging

T2-040469 LS to SA2, CN1 on non-completion of IMS messaging deferred mode in Rel-6

Content: Some time ago SA2 requested T2 to provide the support in MMS for a SIP URL format to allow MMS to be the deferred mode for IMS Messaging as part of Release 6. T2 informs SA2 that T2 has been unable to complete this work in the REL-6 time frame because CN1 and SA2 recently expressed concerns on the architectural impacts of the approach envisaged by T2.

Status: AGREED

4.5.3.5 Multiple Relay/Server architecture

No input available. The work item will be closed at the next TSG-T meeting.

4.5.3.5 MM1 Enhancements

T2-040420 CR 23.140 Rel-6: Replacing and Cancelling Multimedia Message in Recipient Terminal; Source: Nokia

Content: It is proposed to define new PDUs over MM7 and MM1 that will allow the Cancel to impact the MM downloaded by the terminal.

Discussion: The word "shall" was added in several places to indicate requirements. Ericsson expressed their reservations on the CR which were related to charging and to the way how the feature works. Ericsson raised issues at the Montreal (2004/08) meeting about the predecessor of this CR. These issues were since then not addressed and not answered at their satisfaction.

The following lists a subset of Ericsson's concerns:

- This feature seem to have been developed solely from the perspective of the terminal, and paid little attention to the end to end VAS to recipient's end to end & over all user experience
- Impact of the MM7_Cancel/MM7_Replace completely disregards billing and CDR post processing
- How the recipient will be charged
- MMS R/S process of a MM7_Cancel/MM7_Replace received post delivery of the MM to the recipient (e.g., specifically if the MMS R/S does not have anymore the MM)
- Should the MMS R/S be able to forward MM7_Cancel/MM7_Replace MMs?
- Should the recipient be able to forward MM7_Cancel/MM7_Replace MMs?
- Should the MMS R/S attempt any validation of the headers contained in the original MM submission, versus the ones of the MM7_Replace?
- Should the MMS R/S do any validation of the incoming MM7_Cancel/MM7_Replace, for fraud/misuse detection & management purposes?
- What should the MMS R/S do in the scenario where an MM1Notification has been sent but did not get to the recipients, and the MMS R/S gets an MM7_Replace for that same recipient? Should the MMS R/S send a "cancel SMS"? If the MMC sends a special cancel/replace notification, the SMS will still be holding the previous SMS notification (for download!) ... what will the terminal do?
- What should the MMS R/S do when it gets an MM7_Replace which changes the originally submitted DRM?
- How should ReplyCharging be handled for MM7_Cancel/MM7_Replace?
- For ReplyCharging, is it possible to charge a different part for the replaced content than the party that has been charged for the original content?

Status: REVISED to [T2-040447](#) which was AGREED with one objection from Ericsson noted.

[T2-040421](#) CR 23.140 Rel-6: Information about Content to Recipient Terminal; Source: Nokia

Content: It is proposed to have information about content class and presence of DRM-protected contents as optional headers in the retrieval message.

Discussion: Several minor changes were done to the CR.

Status: REVISED to [T2-040450](#) which was AGREED

[T2-040416](#) CR 23.140 Rel-6: Abstracting element "subject" of MM1_notification.REQ for adopting carrier layer and decreasing the response delay; Source: China Mobile, Huawei Technologies

Content: It is proposed to allow MMS Relay/Server to abstract the subject of MM1 notification in order to decrease the delaying response and to enhance the success rate, and to match the limit of the underlying carrier layer.

Discussion: Nokia commented that the subject is only an option and the whole subject can actually be removed. Truncating would probably not solve the problem because of many other mandatory IEs. Also there might be a problem in truncating e.g. UTF-8 encoded text. Ericsson sees the truncating more as an implementation issues but not as a standards issue.

Josef took an action to check whether truncation of the subject is currently disallowed.

Status: REVISED to [T2-040463](#)

[T2-040463](#) CR 23.140 REL-6 Truncating the "subject" element of an MM1_notification.REQ for adopting to carrier layer limitations and decreasing the response delay; Source: China Mobile, Huawei Technologies; Infineon

Content: The MMS Relay/Server is allowed to abstract, compress and truncate the subject of an MM1 notification in order to decrease delaying response and enhance success rate, or match the limit of underlying carrier layer.

Discussion: Ericsson commented that they still think that this is an implementation issue and not as matter for standardisation. In clause 7 it says that fields can be altered by the MMS Relay/Server and therefore this is not needed. Infineon replied that a mismatch could happen having one server which does truncating communicating with a server which does no truncation. Nokia objected since they don't see this bringing much benefit. They suggested to look at this issue at a higher level and not only to focus on the subject field. Infineon clarified that this CR focuses on the subject field because this field is taken into account for message size calculation. At the end of the discussion Nokia withdrew their objection.

Status: AGREED

T2-040454 CR 23.140 Rel-6: Clarifying that the terminal hosting Application(s) identifies his capabilities binarily; Source: Ericsson

Content: This CR proposes to clarify that the ApplicationID capable terminals identify themselves via an on/off flag, in UAPProf.

Discussion: After an offline check Infineon agreed to the CR but they proposed to put this into a different section of the specification.

Status: **REVISED to T2-040460 which was AGREED**

T2-040435 CR 23.140 Rel-6: Deletion of Deferred MM; Source: Ericsson

Content: New PDUs are defined that will request the MMS R/S to delete an MM.

Discussion: It was clarified that it's possible to delete more than one message at a time. Several modifications were done to the CR on-line.

Phillips asked if deferred retrieval is defined in 23.140, or, if T2 is using an OMA term here. Based on this comment, "deferred MMs" was changed to "MMs in manual retrieval mode" to bring the terminology used in line with the rest of 23.140. T-Mobile commented that this delete function should not be restricted to deferred messages.

It was agreed to make the motivation for this change clearer in the CR cover page.

Status: **REVISED to T2-040457 which was AGREED after some on-line editing.**

4.5.3.6 MM4 Enhancements

T2-040429 CR 23.140 Rel-6: Resolving DNS to an IP address using procedures of RFC2821; Source: Ericsson

Content: In Annex G, add a reference to RFC2821, for DNS to IP address resolution.

Discussion: Minor editorial changes were done and the wording was improved.

Status: **REVISED to T2-040449 which was AGREED**

T2-040417 CR 23.140 MM4 Forward address clarification; Source: China Mobile, Huawei Technologies

Content: It is proposed to clarify the address format of Mail From and RCPT To in MM4_forward and MM4_delivery_report.

Discussion: Ericsson commented that the information on what to put into the various Mail From and RCPT To fields is already in the specification but it requires careful reading to understand it. Ericsson thinks that a clarification is not necessarily required. Philippe reported that France Telecom experienced the same problem and therefore a clarification should be made. It was agreed that a clarification is required, however, modifications to the clarification proposed in this CR are required.

Status: **REVISED to T2-040458**

T2-040465 Proposed SMTP/Message addressing definition; Source: T-Mobile, Ericsson

Content: The document shows all Message Types on MM4 and how the MAIL FROM, RCPT TO, and all headers have to be composed.

Discussion: This approach to clarify the address encoding was agreed in principle.

Status: **NOTED.**

T2-040458 CR 23.140 Rel-6: MM4 Forward address clarification; Source: China Mobile, Huawei Technologies; T-Mobile

Content: The table "MM4 Addressing on Message and Message Transport Level" from **T2-040465** was incorporated into this version of the CR, and several further changes were done.

Discussion: Nokia requested e-approval for this CR since some off-line review is required. Orange suggested to split the CR in two where one half (including the table) could be agreed upon during the meeting, and the part where off-line check is required could be send on e-approval. The group felt that this approach would be difficult with this CR.

Status: **NOTED. It was agreed to send a revised version of the CR in T2-040470 on e-approval (e-discussion Nov 12 - 25 , e-approval Nov 26 - Dec 3). Steffen will lead the e-mail discussion (see action list in 4.7).**

T2-040418 CR 23.140 REL-6: MM4_forward.REQ counter definition; Source: China Mobile, Huawei Technologies

Content: This CR proposes a clarification on the MM4 Forward counter.

Discussion: Josef clarified that the MM4 Forward counter counts the number of times the MM was forwarded by a user agent and not the number of times it was forwarded between MMS Relay/Servers. This understanding was shared by the group.

Status: REVISED to [T2-040459](#) which was AGREED.

4.5.3.7 MM7 Enhancements

[T2-040422](#) Stage 3 MM7 Schema, addition of application, contentclass, drmcontent and vasp id elements; Source: Nokia

Content: This CR incorporates stage 2 elements defined in 23.140 version 6.6.0 into stage 3.

Discussion: Michel expressed his unhappiness about the fact the 23.140 6.7.0 had stage 2 additions approved for MM7, however, the stage 3 additions are only made at this meeting. In his opinion such an inconsistency between stage 2 and stage 3 has to be avoided in future.

Status: **CONDITIONALLY AGREED under the condition T2-040443 NOT being approved (backup CR)** .

It was agreed that a schema CR which includes the additions of this CR and any further changes to MM7 from this meeting will be send on e-approval as [T2-040443](#) (action for Michael ROOKE - see 4.7). (**e-discussion Nov 12 - 25 , e-approval Nov 26 - Dec 3**). . It was agreed that any MM7 stage 2 CRs will be only conditionally agreed subject to the new schema CR being e-approved.

[T2-040424](#) CR 23.140 Rel-6: Adding the Information Elements VAS-ID and VASP-ID in MM7_DeliveryReport and MM7_ReadReplyReport; Source: Ericsson

Content: The CR adds VAS-ID and VASP-ID in MM7_DeliveryReport.REQ and MM7_ReadReplyReport.REQ.

Discussion: It was agreed to remove the stage 3 part from this CR and move it into the general MM7 schema CR (T2-040443).

Status: REVISED to [T2-040444](#) which was **CONDITIONALLY AGREED (subject to the MM7 stage 3 being e-approved)**

[T2-040412](#) CR 23.140 Rel-6: Adding Recipient handset capabilities in the MM7_delivery_report.REQ transaction; Source: Orange

Content: Add a new information element in the MM7_delivery_report.REQ transaction to carry recipient handset capability back from MMS Relay/Server to the VASP.

Discussion: It was clarified that it's the intention to provide the UAPROF information to the VASP. Ericsson expressed their reservation on the CR, however, they did not want to block the CR. They expressed concerns about the short life expectation of the information and that the amount of data which has to be carried is not defined in the CR. there is no indication how large the amount of data can be.

Nokia supported the CR but asked to restrict the terminal capability information to the UAPROF header. T-Mobile suggested to add the terminal capability information to the MM7 Delivery Request. Michel suggested to add a warning to the spec that the information provided has only a short life expectation.

It was unclear if the "recipient handset's UA header" is related to the UAPROF header and if it's defined in the UAPROF spec.

Status: REVISED to [T2-040445](#). Several small changes were done to the draft version of the CR which was then **AGREED**.

[T2-040426](#) CR 23.140 Rel-6: Additional Error situation in MM7_Deliver.RES; Source: T-Mobile International

Content: To allow the VASP to reject Messages from the UA, which are not covered by the contract between the user and the VASP, with an appropriate Error code, a new scenario is added to the "Abnormal Operation" chapter for the MM7 Delivery Request chapter.

Discussion: The work items code has to be fixed and the affected specs boxes completed before submission to TSG-T.

Status: **AGREED**

[T2-040423](#) CR 23.140 Rel-6: Allow more than one DeliveryCondition at a time; Source: Ericsson

Content: The CR allows the VAS/VASP to specify more than a single Delivery Condition.

Discussion: Nokia commented that the optionality has to be added to the CR. Several changes were done to the CR on-line. The delivery condition value "0" was removed.

Status: REVISED to [T2-040446](#) which was **AGREED**

T2-040441 CR 23.140 Rel-6: clarification on schema versioning; Source: Nokia

Content: It is proposed to describe the meaning of version numbers in ANNEX L together with an example.

Discussion: Several changes were done on-line.

Status: **AGREED**

4.5.3.7 Private addressing schemes in MMS

T2-040425 3GPP TS 29.140, version 1.1.0, MM10 interface based on diameter; Source: Rapporteur

Content: The document defines the procedures and the transport protocol for use in the Multimedia Messaging Service (MMS) based on Diameter.

Discussion: It was clarified that the doc is considered around 90% complete and that it covers all stage 2 functionality. Several small mistakes were corrected. It was agreed to add a note in 6.1.1 explaining that the parameters in bold are specified in this specification. Friedhelm will do an editorial check and raise the document to v2.0.0 for presentation to TSG-T. He will also update the cover sheet for the presentation of the spec.

Status: **REVISED to T2-040448.**

T2-040448 3GPP TS 29.140, version 1.2.0, MM10 interface based on diameter; Source: T-Mobile

Discussion: In 6.1.1 and 6.1.2 it was clarified that the first tbd in the Diameter Header relates to the command code, the second code the application code. Steffen took an action make the IANA registration for command code and application ID (see action list in 4.7). Several small changes were done on-line.

Status: **REVISED to T2-040461 which was AGREED**

4.5.3.8 Other enhancements

T2-040391 CR 23.140 REL-6: Rapporteur's check of 23.140; Source: Infineon

Content: New reference to MM10 stage 3 TS; consistent mentioning of MM8, MM9 and MM10 in chapter 8; removal of MEXE as potential MMS implementation; removal of unused references and terms

Discussion: Friedhelm pointed out that the CR template was not the latest version and therefore he can't buy Josef a beer (he did anyway;-).

Status: **AGREED**

T2-040419 CR 23.140 Rel-6: Addition of roaming detection and MMS capability detection as part of functionalities of the MMS Relay/Server; Source: Orange

Content: The following functionalities were added, as part of optional MMS Relay/Server functionalities:

- detecting whether the recipient user is roaming or not;
- detecting whether the recipient handset is MMS capable or not.

Discussion: It was clarified that today the VASP can define conditions which need to be met for the R/S to deliver the MM. The conditions imply proprietary R/S functionality which is not yet documented.

Status: **AGREED**

T2-040383 CR 23.140 Rel-6: Correct a typo, in Information Element Applic-ID (MM7_Deliver.REQ); Source: Ericsson

Content: Description of the Applic-ID of the MM7_Deliver.REQ wrongly refers to a non existing PDU: MM7_Retrieve.REQ.

Status: **AGREED**

T2-040462 CR 23.140 REL-6 Editorial modifications in section 7.2.3 Address Formats on MM7; Source: T-Mobile

Content: Move of one paragraph to the right place. Adaptation of surrounding text. Correction of section references

Status: **AGREED**

4.6 AOB

Josef proposed to have a discussion on the future of MMS in 3GPP. Considering the amount of contributions and discussion, Friedhelm expects that also in future significant work will continue on 23.140. Paul described one scenario: 3GPP freezes the work on MMS but 3GPP2 expands the work on MMS, how can this be handled? It was commented that it seems concerning that 3GPP2 now starts new service related work which might make it difficult to align the different MMS standards. Nokia thinks that at the moment it is not viable to start new work in 3GPP, instead OMA is the right place to do the work. One proposal made was to keep all specs up to Rel-6 in 3GPP and do any new work on 23.140 in OMA. Maintenance on older releases could also be done by OMA, however, with the CRs still being formally approved by 3GPP. According to Ian's understanding of the PCG decision, it is not intended for the time being to move the MMS specs to OMA. Comments were expressed that although T2 might be the best place to work on MMS, the time has come to consider the reality and to close this activity and move the work.

Josef announced that he will not be able to chair future MMS sessions because he will be unable to attend T2 in future. Sincere thanks were expressed to Josef for the outstanding work he has done in leading the MMS work during several years as SWG3 chairman and MMS rapporteur. T2 will miss him and wishes him all the best for his future!

4.7 List of open MMS actions

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

T2#27-001	T2-040443	MM7 Schema - after T2#27	Update on MM7 stage 3 incorporating MM7 stage 2 CRs agreed at T2#27 - to be put on e-approval Mon, Nov 22nd - Dec 3rd, prior to T#26 plenary If e-approved; T2-040443 replaces T2-040422; i.e. T2-040422 will not go to T#26, only T2-040443 will. If T2-040443 is not e-approved, T2-040422 will go to T#26 (as backup), all other MM7 stage 2 CRs which will have been conditionally approved (subject to T2-040443 being e-approved) at T2#27 will NOT be submitted to T#26.	Michael (Nokia)
T2#27-003	T2-040448	3GPP TS 29.140, version 1.2.0, MM10 interface based on diameter - after T2#27	Kick off and take care of IANA registration process for two command codes and one application ID in MM10.	Steffen (TMO)
T2#27-004	T2-040470	CR 23140 REL-6 MM4 Forward address clarification	Create T2-040470; lead E-discussion from Nov. 12th - Nov. 25th; lead E-Approval Nov. 26th - Dec. 3rd	Steffen (TMO)

5 Close of meeting

T2 chairman Ian HARRIS thanked all delegates and for their contributions and work at this meeting. He thanked Vodacom for hosting the meeting in this very nice part of the world and for providing the excellent facilities. Finally, he thanked Friedhelm for the excellent support he provided T2 during his time as T2 secretary. As a farewell gift from T2, Ian handed him over a very nice Giraffe (almost real size !!!). Friedhelm thanked the group for all the good times they had together inside and outside the meeting room! The chairman closed the meeting at 15:00 hours on Thursday.

Annex A List of all temporary documents

TDOC	Subject	Source	SWG	WG_Status
T2-040375	Draft Agenda T2#27	TB Chairman	OP	agreed
T2-040376	Draft Meeting Report T2#26, Montreal, 23-27 August 2004	TB Officer	OP	agreed
T2-040377	Summary of T#25 and SA#25 issues of T2 interest	TB Officer	OP	noted
T2-040378	Draft Report of TSG-T meeting #25, Palm Springs	TB Officer	OP	noted
T2-040379	Draft Report of TSG SA meeting #25, Palm Springs	TB Officer	OP	noted
T2-040380	3GPP work plan	TB Officer	OP	noted
T2-040381	T2 spec status list	TB Officer	OP	noted
T2-040382	3GPP meeting calendar	TB Officer	OP	noted
T2-040383	CR 23.140 Rel-6: Correct a typo, in Information Element Applic-ID (MM7_Deliver.REQ)	Ericsson	MMS	agreed
T2-040384	LS from TSG-T to 3GPP2-TSG-C, 3GPP2-TSG-C-WG1-SWG1.4, TSG T2, TSG T3 on harmonization of MMS provisioning files between 3GPP & 3GPP2	TP-040204	MMS	noted
T2-040385	LS from SA2 to OMA PAG cc 3GPP TSG_CN WG 1, 3GPP TSG_T WG 2, 3GPP TSG_SA, 3GPP TSG_CN on work split 3GPP/3GPP2/OMA on Presence	S2-043416	OP	noted
T2-040386	LS from SA3 to SA1 cc SA2, T2, T3 on USIM and ISIM selection in the UE	S3-040830	OP	noted
T2-040387	LS from SA3 to CN4 cc T2 on SMS Fraud countermeasures	S3-040870	OP	noted
T2-040388	LS from SA3 to T2 cc T3 on EAP Authentication commands for WLAN interworking	S3-040876	AT	noted
T2-040389	LS from SA3 to CN1, CN4, SA2 cc T2 on Security aspects of early IMS systems	S3-040880	OP	noted
T2-040390	Agenda MMS Sessions at T2#27	Infineon	MMS	agreed
T2-040391	CR 23.140 REL-6: Rapporteur's check of 23.140	Infineon	MMS	agreed
T2-040392	Information on problems to uniquely address File IDs on (U)SIM	Infineon	AT	noted
T2-040393	CR 27.007 Rel-99 AT+CRSM File IDs on (U)SIM	Infineon	AT	noted
T2-040394	CR 27.007 Rel-4 AT+CRSM File IDs on (U)SIM	Infineon	AT	noted
T2-040395	CR 27.007 Rel-5 AT+CRSM File IDs on (U)SIM	Infineon	AT	revised to T2-040437
T2-040396	CR 27.007 Rel-6 AT+CRSM File IDs on (U)SIM	Infineon	AT	revised to T2-040438
T2-040397	withdrawn			
T2-040398	CR 27.007 Rel-4 Corrections of AcTs of PLMN section	Nokia	AT	noted
T2-040399	CR 27.007 Rel-5 Corrections of PLMN section	Nokia	AT	agreed
T2-040400	CR 27.007 Rel-6 Corrections to AcTs of PLMN section	Nokia	AT	agreed
T2-040401	CR 27.007 R6: Improve security in SIM/UICC generic access for WLAN EAP use	Axalto	AT	revised T2-040453
T2-040402	CR 27.007 R6: Editorial modifications to +CGLA and +CRLA commands	Axalto	AT	agreed
T2-040403	CR 27.007 R99: Clarification on the use of PIN with (U)SIM	Axalto	AT	withdrawn
T2-040404	CR 27.007 R4: Clarification on the use of PIN	Axalto	AT	withdrawn

TDOC	Subject	Source	SWG	WG_Status
	with (U)SIM			
T2-040405	CR 27.007 R5: Clarification on the use of PIN with (U)SIM	Axalto	AT	withdrawn
T2-040406	CR 27.007 R6: Clarification on the use of PIN with (U)SIM	Axalto	AT	withdrawn
T2-040407	CR 27.007 R6: UICC Application Discovery Command +CUAD	Axalto	AT	revised to T2-040439
T2-040408	CR 27.007 R6: Add RETRIEVE DATA and SET DATA APDU commands in +CRSM and +CRLA AT commands	Axalto	AT	agreed
T2-040409	CR 27.007 R6: Extension of read, write and find phonebook entry commands for 3G phonebooks	Axalto	AT	revised to T2-040451
T2-040410	CR 27.007R6: Correction of file identification in +CRLA command	Axalto	AT	revised to T2-040434
T2-040411	CR 23.140 Rel-6: Precision for the recipient entities' behaviour upon reception of an abstract message containing a destination application identifier	Orange	MMS	agreed
T2-040412	CR 23.140 Rel-6: Adding Recipient handset capabilities in the MM7_delivery_report.REQ transaction	Orange	MMS	revised to T2-040445
T2-040413	CR 27.007 Rel-6 AT+CRLA File IDs on UICC	Infineon	AT	noted
T2-040414	withdrawn			
T2-040415	Proposed CR to 27.007: Commands for EAP authentication	T-Mobile	AT	revised to T2-040468
T2-040416	Abstracting element "subject" of MM1_notification.REQ for adopting carrier layer and decreasing the response delay	China Mobile, Huawei Technologies	MMS	revised to T2-040463
T2-040417	MM4 Forward address clarification	China Mobile, Huawei Technologies	MMS	revised to T2-040458
T2-040418	Definitude MM4 Forward counter	China Mobile, Huawei Technologies	MMS	revised to T2-040459
T2-040419	CR 23.140 Rel-6: Addition of roaming detection and MMS capability detection as part of functionalities of the MMS Relay/Server	Orange	MMS	agreed
T2-040420	Replacing and Cancelling Multimedia Message in Recipient Terminal	Nokia	MMS	revised to T2-040447
T2-040421	Information about Content to Recipient Terminal	Nokia	MMS	revised to T2-040450
T2-040422	Stage 3 MM7 Schema, addition of application, contentclass, drmcontent and vasp id elements	Nokia	MMS	conditionally agreed
T2-040423	Allow more than one DeliveryCondition at a time.	Ericsson	MMS	revised to T2-040446
T2-040424	Adding the Information Elements VAS-ID and VASP-ID in MM7_DeliveryReport and MM7_ReadReplyReport.	Ericsson	MMS	revised to T2-040444
T2-040425	3GPP TS 29.140, version 1.1.0, MM10 interface based on diameter	Rapporteur	MMS	revised to T2-040448
T2-040426	Additional Error situation in MM7_Deliver.RES	T-Mobile International	MMS	agreed
T2-040427	WID on support of SMS and MMS over generic 3GPP IP access	SP-040688	SMS/MMS	noted
T2-040428	Specs and reports to upgrade to Rel-6	T2 secretary	OP	noted
T2-040429	Resolving DNS to an IP address using procedures of RFC2821	Ericsson	MMS	revised to T2-040449
T2-040430	Updated CR 27.007 R99: Clarification on the use of PIN with (U)SIM	Axalto	AT	noted

TDOC	Subject	Source	SWG	WG_Status
T2-040431	Updated CR 27.007 R4: Clarification on the use of PIN with (U)SIM	Axalto	AT	noted
T2-040432	Updated CR 27.007 R5: Clarification on the use of PIN with (U)SIM	Axalto	AT	noted
T2-040433	Updated CR 27.007 R6: Clarification on the use of PIN with (U)SIM	Axalto	AT	revised to T2-040452
T2-040434	Updated CR 27.007 R6: Correction of file identification in +CRLA command (revised T2-040410)	Axalto	AT	revised to T2-040466
T2-040435	CR 23.140 Rel-6: Deletion of Deferred MM	Ericsson	MMS	revised to T2-040457
T2-040436	email correspondance on EAP auth commands for WLAN interworking	Nicola	AT	noted
T2-040437	CR 27.007 Rel-5 AT+CRSM File IDs on (U)SIM (revised T2-040395)	Infineon	AT	agreed
T2-040438	CR 27.007 Rel-6 AT+CRSM File IDs on (U)SIM (revised T2-040396)	Infineon	AT	agreed
T2-040439	CR 27.007 R6: UICC Application Discovery Command +CUAD (revised T2-040407)	Axalto	AT	agreed
T2-040440	LS from 3GPP2 to T2 on CR 166 Introducing Application Addressing in MMS	3GPP2 TSG-X	MMS	noted
T2-040441	CR 23.140 Rel-6: clarification on schema versioning	Nokia	MMS	agreed
T2-040442	CR 23.140 REL-6 Error Status Codes related to Application Addressing over MM7	TeliaSonera	MMS	agreed
T2-040443	CR 23.140 Rel-6: MM7 XML schema updates	Nokia	MMS	for e-approval
T2-040444	CR 23.140 Rel-6: Adding the Information Elements VAS-ID and VASP-ID in MM7_DeliveryReport and MM7_ReadReplyReport (revised T2-040424)	Ericsson	MMS	CONDITIONALLY AGREED
T2-040445	CR 23.140 Rel-6: Adding Recipient handset capabilities in the MM7_delivery_report.REQ transaction (revised T2-040412)	Orange	MMS	agreed
T2-040446	CR 23.140 Rel-6: Allow more than one DeliveryCondition at a time. (revised T2-040423)	Ericsson	MMS	agreed
T2-040447	CR 23.140 Rel-6: Replacing and Cancelling Multimedia Message in Recipient Terminal (revised T2-040420)	Nokia	MMS	agreed
T2-040448	3GPP TS 29.140, version 1.2.0, MM10 interface based on diameter (revised T2-040425)	T-Mobile	MMS	revised to T2-040461
T2-040449	CR 23.140 Rel-6: Resolving DNS to an IP address using procedures of RFC2821 (revised T2-040429)	Ericsson	MMS	agreed
T2-040450	CR 23.140 Rel-6: Information about Content to Recipient Terminal (revised T2-040421)	Nokia	MMS	agreed
T2-040451	CR 27.007 R6: Extension of read, write and find phonebook entry commands for 3G phonebooks (revised T2-040409)	Axalto	AT	agreed
T2-040452	CR 27.007 R6: Clarification on the use of PIN with (U)SIM (revised T2-040433)	Axalto	AT	agreed
T2-040453	CR 27.007 R6: Improve security in SIM/UICC generic access for WLAN EAP use (revised T2-040401)	Axalto	AT	agreed
T2-040454	CR 23.140 Rel-6: Clarifying that the terminal hosting Application(s) identifies his capabilities binarily	Ericsson	MMS	revised to T2-040460
T2-040455	CR 23140 REL-6 adding collision prevention mechanism to application addressing	Infineon	MMS	agreed
T2-040456	LS to 3GPP2 TSG-X, OMA-MWG-MMSG cc	Infineon	MMS	agreed

TDOC	Subject	Source	SWG	WG_Status
	JSR 205 Introducing Collision Detection Mechanism into Application Addressing			
T2-040457	CR 23.140 REL-6 Deletion of Deferred MM	Ericsson	MMS	agreed
T2-040458	CR 23.140 REL-6 MM4 Forward address clarification	China Mobile, Huawei Technologies; T-Mobile	MMS	revised to T2-040470
T2-040459	Definitude MM4 Forward counter	China Mobile, Huawei Technologies	MMS	agreed
T2-040460	CR 23140 REL-6 Clarifying that the terminal hosting Application(s) identifies his capabilities binarily (revised T2-040454)	Ericsson	MMS	agreed
T2-040461	3GPP TS 29.140, version 1.1.0, MM10 interface based on diameter	T-Mobile	MMS	agreed
T2-040462	CR 23.140 REL-6 Editorial modifications in section 7.2.3 Address Formats on MM7	T-Mobile	MMS	agreed
T2-040463	CR 23.140 REL-6 Truncating the "subject" element of an MM1_notification.REQ for adopting to carrier layer limitations and decreasing the response delay (revised T2-040416)	China Mobile, Huawei Technologies; Infineon	MMS	agreed
T2-040464	CR 27.007 Rel-6: Additional parameter for AT command +CRSM (Restricted SIM access)	Nokia	AT	noted
T2-040465	Proposed SMTP/Message addressing definition	T-Mobile, Ericsson	MMS	noted
T2-040466	CR 27.007 R6: Correction of file identification in +CRLA command (revised T2-040434)	Axalto	AT	agreed
T2-040467	LS to SA3 cc T3 on EAP Authentication commands for WLAN interworking	T2	AT	revised to T2-040471
T2-040468	CR to 27.007: Commands for EAP authentication (revised T2-040415)	T-Mobile	AT	agreed
T2-040469	LS to SA2, CN1 on IMS messaging deffered mode	T2 (Ian)	MMS	agreed
T2-040470	CR 23.140 REL-6: Collective Changes to improve the MM4 interface (revised T2-040458)	China Mobile, Huawei Technologies; T-Mobile	MMS	for e-approval
T2-040471	LS to SA3 cc T3 on EAP Authentication commands for WLAN interworking (revised T2-040467)	T2	AT	agreed
T2-040472	CR 27.007 Rel-5 Corrections of PLMN section (revised to T2-040399)	Nokia	AT	agreed
T2-040473	CR 27.007 Rel-6 Corrections to AcTs of PLMN section (revised to T2-040400)	Nokia	AT	agreed

Annex B Outgoing Documents

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

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

"AT commands" Change Request

The following CRs have been agreed:

Spec	CR	Rev	Phase	Subject	Cat	Version-Current	Version-New	Doc-2nd-Level	Workitem
27.007	119	-	Rel-5	Additional parameter for AT command +CRSM (Restricted SIM access)	F	5.4.0	5.5.0	T2-040437	TEI5
27.007	120	-	Rel-6	Additional parameter for AT command +CRSM (Restricted SIM access)	A	6.6.0	6.7.0	T2-040438	TEI5
27.007	121	-	Rel-5	Corrections to AcTs of PLMN Selection	F	5.4.0	5.5.0	T2-040472	TEI5
27.007	122	-	Rel-6	Corrections to AcTs of PLMN Selection	A	6.6.0	6.7.0	T2-040473	TEI5
27.007	123	-	Rel-6	Improve security in UICC generic access command +CGLA	C	6.6.0	6.7.0	T2-040453	TEI6
27.007	124	-	Rel-6	Support of EAP authentication command	B	6.6.0	6.7.0	T2-040468	TEI6
27.007	125	-	Rel-6	Correction of file identification in +CRLA command	F	6.6.0	6.7.0	T2-040466	TEI6
27.007	126	-	Rel-6	UICC Application Discovery Command +CUAD	B	6.6.0	6.7.0	T2-040439	TEI6
27.007	127	-	Rel-6	Clarification on the use of PIN with (U)SIM	F	6.6.0	6.7.0	T2-040452	TEI6
27.007	128	-	Rel-6	Editorial modifications to +CGLA and +CRLA commands	D	6.6.0	6.7.0	T2-040402	TEI6
27.007	129	-	Rel-6	Add RETRIEVE DATA and SET DATA APDU commands in +CRSM and +CRLA AT commands	B	6.6.0	6.7.0	T2-040408	TEI6
27.007	130	-	Rel-6	Extension of read, write and find phonebook entry commands for 3G phonebooks	B	6.6.0	6.7.0	T2-040451	TEI6

"MMS" Change Requests

The following CR have been agreed:

Spec	CR	Rev	Phase	Subject	Cat	Version-Current	Version-New	Doc-2nd-Level	Workitem
23.140	175	-	Rel-6	Adding collision prevention mechanism to application addressing	C	6.7.0	6.8.0	T2-040455	MMS6
23.140	176	-	Rel-6	Precision for the recipient entities' behaviour upon reception of an abstract message containing a destination application identifier	F	6.7.0	6.8.0	T2-040411	MMS6
23.140	177	-	Rel-6	Replacing and Cancelling Multimedia Message in Recipient Terminal	B	6.7.0	6.8.0	T2-040447	MMS6
23.140	178	-	Rel-6	Information about Content to Recipient Terminal	B	6.7.0	6.8.0	T2-040450	MMS6
23.140	179	-	Rel-6	Truncating the "subject" element of an MM1_notification.REQ for adopting to carrier layer limitations and decreasing the response delay	F	6.7.0	6.8.0	T2-040463	MMS6
23.140	180	-	Rel-6	Clarifying that the terminal hosting Application(s) identifies its capabilities in a binary way	C	6.7.0	6.8.0	T2-040460	MMS6
23.140	181	-	Rel-6	Deletion of deferred MMS from the MMS Relay/Server	B	6.7.0	6.8.0	T2-040457	MMS6
23.140	182	-	Rel-6	Resolving DNS to an IP address using procedures of RFC2821	B	6.7.0	6.8.0	T2-040449	MMS6
23.140	183	-	Rel-6	MM4_forward.REQ counter definition	F	6.7.0	6.8.0	T2-040459	MMS6
23.140	184	-	Rel-6	Adding Recipient handset capabilities in the	B	6.7.0	6.8.0	T2-040445	MMS6

Spec	CR	Rev	Phase	Subject	Cat	Version-Current	Version-New	Doc-2nd-Level	Workitem
				MM7_delivery_report.REQ and MM7_deliver.REQ transactions					
23.140	185	-	Rel-6	Additional Error situation in MM7_Deliver.RES	B	6.7.0	6.8.0	T2-040426	MMS6
23.140	186	-	Rel-6	Allow more than one DeliveryCondition at a time.	C	6.7.0	6.8.0	T2-040446	MMS6
23.140	187	-	Rel-6	Clarification of schema versioning	F	6.7.0	6.8.0	T2-040441	MMS6
23.140	188	-	Rel-6	Error Status Codes related to Application Addressing over MM7	B	6.7.0	6.8.0	T2-040442	MMS6
23.140	189	-	Rel-6	Rapporteur's check of 23.140: New reference to MM10 stage 3 TS; consistent mentioning of MM8, MM9 and MM10 in chapter 8; removal of MESE as potential MMS implementation; removal of unused references	F	6.7.0	6.8.0	T2-040391	MMS6
23.140	190	-	Rel-6	Addition of roaming detection and MMS capability detection as part of functionalities of the MMS Relay/Server	F	6.7.0	6.8.0	T2-040419	MMS6
23.140	191	-	Rel-6	Correct a typo, in Information Element Applic-ID (MM7_Deliver.REQ)	D	6.7.0	6.8.0	T2-040383	MMS6
23.140	192	-	Rel-6	Editorial Modifications in section 7.2.3 Address Formats on MM7	D	6.7.0	6.8.0	T2-040462	MMS6

The following CRs have been conditionally agreed:

Spec	CR	Rev	Phase	Subject	Cat	Version-Current	Version-New	Doc-2nd-Level	Workitem
23.140		-	Rel-6	Stage 3 MM7 Schema, addition of application, contentclass, drmcontent and vasp id elements	B	6.7.0	6.8.0	T2-040422	MMS6
23.140		-	Rel-6	Adding the Information Elements VAS-ID and VASP-ID in MM7_DeliveryReport and MM7_ReadReplyReport.	B	6.7.0	6.8.0	T2-040444	MMS6

The following CRs were decided to be sent on e-approval:

Spec	CR	Rev	Phase	Subject	Cat	Version-Current	Version-New	Doc-2nd-Level	Workitem
23.140		-	Rel-6	Stage 3 MM7 Schema, addition of application, contentclass, drmcontent, vasp id, extended cancel/replace, deliverycondition and ucapabilities elements	B	6.7.0	6.8.0	T2-040443	MMS6
23.140		-	Rel-6	Collective changes to improve the MM4 interface	C	6.7.0	6.8.0	T2-040470	MMS6

B.2 Outgoing Liaison Statements

The following LSs were sent from T2#27:

TDOC	Subject	Agenda item	Comments
T2-040456	LS to 3GPP2 TSG-X, OMA-MWG-MMSG cc JSR 205 Introducing Collision Detection Mechanism into Application Addressing	MMS	sent 12/11/2004
T2-040469	LS to SA2 cc CN1, T on IMS messaging deferred mode	MMS	sent 12/11/2004
T2-040471	LS to SA3 cc T3 on EAP Authentication commands for WLAN interworking (revised T2-040467)	AT	sent 12/11/2004

B.3 Reports/Specifications submitted to TSG-T#26

TDOC	Subject
T2-040461	3GPP TS 29.140 V1.3.0 MM10 interface based on Diameter protocol (Stage 3) for approval

B.4 Work Items submitted to TSG-T#26

None.

B.5 Other docs submitted to TSG-T#26

None.

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