
3GPP TSG-T2 #21
San Diego, CA, USA
12 -16 May 2003

T2-030360

Title: Re: LS on terminal MMS capability discovery prior MM notification
Response to: LS (S1-030555, T2-030235) on terminal MMS capability discovery prior MM notification from SA1
Work Item: Definition of service requirements

Source: T2
To: SA1, CN4, OMA MAG, OMA IMPS, OMA REQ
Cc: SA, T, SA2

Contact Person:
Name: Ville Warsta
Tel. Number: +358 7180 39614
E-mail Address: Ville.Warsta@nokia.com

Attachments: T2-030235 (S1-030555)

1. Overall Description:

T2 would like to thank SA1 for their LS in S1-030555 regarding MMS capability discovery.

Unfortunately T2 has to inform SA1 that it believes a short term standardised mechanisms cannot be defined for REL-5. Possible short-term solutions discussed may require modifications to the HLR or – at least – to the MAP protocol. Hence, T2 came to the conclusion that time to market cannot be met. T2 welcomes CN4 to further investigate this matter. Based on this, T2 asks SA1 to withdraw the referenced CR for REL-5. (After joint discussions during T2#21, T2 understands this to be done by SA1.)

T2 will investigate the possibilities to accommodate the requirement in longer term REL-6 timeframe. Based on the discussions in T2, the possible options include extensions to the OMA-defined UAPProf functionalities. T2 also feels that this mechanism has to be general, and network and access independent. Developing a mechanism only for MMS or solely for 3GPP-defined services does not sound reasonable.

A possible solution discussed was a query of the mobile terminal by an application server (e.g. the MMS Relay/Server) for the URL of its UAPProf information.

2. Actions:

To SA1 group.

ACTION: T2 asks SA1 to withdraw the referenced CR for REL-5.

To OMA MAG, OMA IMPS and OMA REQ groups.

ACTION: T2 asks OMA MAG, OMA IMPS and OMA REQ to consider the possibility to have support for general enabler and access independent capability discovery initiated by the network side (without the terminal having taken any action yet – see attached LS from SA1 for details), based on e.g. UAPProf.
T2 kindly asks the relevant OMA groups to inform 3GPP if and when such mechanisms are available.

To OMA MAG

ACTION: In particular, T2 asks OMA MAG, if WAP-245-UAPProf-200100530-P, section 6.3, "Push Environment" accomplishes the above. Could You please elaborate on this mechanism in a Push environment and how it relates to the role of the Push Initiator ?

To OMA IMPS

ACTION: T2 asks OMA IMPS whether a Presence-based solution is viable.

To CN4

ACTION: T2 asks CN4 to elaborate on whether the required functionality can be provided with changes to the MAP protocol without changing HLR, VLR or MSC functionality for REL-5.

3. Date of next T2 Meetings:

T2#22	25-29 Aug 2003	Cambridge, UK
-------	----------------	---------------

3GPP TSG-T2 #21
San Diego, CA, USA
12 -16 May 2003

T2-030235

TSG-SA WG1 #20
Seoul, Korea, 7th-11th April 2003

S1-030555
Agenda Item:

Title: LS on terminal MMS capability discovery prior MM notification

Work Item: Definition of service requirements

Source: SA1

To: T2

Cc: TSG-SA, T1

Contact Person:

Name: Reinhard Schwanzer
Tel. Number: + 43 676 345 5219
E-mail Address: Reinhard.Schwanzner@t-mobile.at

Attachments: None

1. Overall Description:

During SA1#20 the Messaging sub working group discussed the need to retrieve the terminal capabilities with relation to MMS, prior the submission of a multimedia message. The intention of this is to improve the user experience, facilitate the transcoding of the MM when required, and in general favour the take up of the service.

The following conclusions were reached in the discussion:

1. A solution for the full capability discovery is seen beneficial for the long term. This may be based for example on UAPProf or on alternative mechanisms
2. A solution for discovering if a terminal is MMS capable or not is urgently needed. For this reason the following requirement has been added to the MMS stage 1 technical specification.

- **Determination of recipient's handset basic MMS capability**

The MMS shall be able to determine if the recipient's UE supports MMS or not before the notification is sent to the recipient.

A Release 5 and Release 6 CR have been produced for approval at SA#20. It will be reported that these should be conditional upon a technical solution being agreed.

SA1 have agreed that if this change is not acceptable for Release 5, then the requirement will not be introduced into Release 6.

2. Actions:

To T2 group.

ACTION: SA1 asks T2 group to study the possible mechanisms available to discover the terminal capabilities (relevant to MMS) as a Rel-6 solution.

ACTION: SA1 asks T2 group to study the possible mechanisms that would allow the MMS to discover if the recipient's terminal is MMS enabled or not so that the newly created requirement in TS 22.140 can be fulfilled. This should be considered an urgent matter.

3. Date of Next TSG-SA WG1 Meetings:

SA1#21 07 - 11 July 2003,

Sophia Antipolis, hosted by ETSI

SA1 SWGs #21 12 - 16 May 2003,

San Diego, USA, North American Friends