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Reason for change: 🔀	3GPP-T3 has defined a mechanism to retrieve MMs on the USIM using Application Identification mechanism. MMS User Agent behaviour should be updated accordingly.						
	Also according to TS 23.140, it is optional to include the Application Id field in the notification. In the case the Application Id is not present in the notification but only present in the MM itself (e.g. in order to reduce the size of the MMS Notification and make it fit into a single SMS), then upon reception of the MM, the MMS UA shall notify the USIM accordingly.						
Summary of change: 🔀	Update of the procedure description whether the application Id is available in the MMS notification or only in the MM itself.						
Consequences if # not approved:	3GPP-T3 TS 31.111 has no mean of transferring an MM notification to the USIM						
Clauses affected: 🛛 🔀	2, 7.1.14, 7.1.18.2.2						
Other specs # affected:	Y N X Other core specifications X Test specifications X O&M Specifications						
Other comments:							

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.
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7.1.14 Handling of MMS-related information on the (U)SIM

NOTE : This section does not apply when the MMS-UA is implemented within equipment which does not support a (U)SIM.

An MMS User Agent shall use the MMS related information stored in the (U)SIM [67] or SIM [75], if present, according to the definitions in this subclause 7.1.14 - unless otherwise specified by the user. This information comprises:

- MMS connectivity information, as defined in Annex F. This information is used to connect to the network for the purpose of accessing the MMS Relay/Server,
- MMS user preferences, as defined in Annex F, and
- MMS notifications.

MMS connectivity information, on the (U)SIM includes a number of sets of MMS connectivity parameters. Some of these sets of MMS connectivity parameters are preset by the issuer of the (U)SIM with the first set being the default. Such default preset MMS connectivity parameter set shall be selected unless otherwise specified by the user.

The MMS connectivity information on the (U)SIM includes preferences for the selection of Interface to Core Network and Bearer parameters (cf. Annex F) as defined in [67] or [75]. If these are stored on the (U)SIM the MMS-capable UE shall automatically select the Interface to Core Network and Bearer parameters based on their order of precedence defined on the (U)SIM unless otherwise specified by the user.

MMS user preferences information, which is stored on the (U)SIM, shall be used by an MMS User Agent for user assistance in preparation of terminal-originated MMs (e.g. default values for parameters that are often used).

MMS notifications, should be stored on the (U)SIM together with an associated status by a recipient MMS User Agent:

- When an MMS User Agent has deleted a notification which was stored on the (U)SIM, the associated status shall be set to i Free spaceî
- When an MMS User Agent stores a notification on the (U)SIM, the associated status shall be set to i Used spaceî
- When a recipient MMS User Agent has not handled the notification which is stored on the (U)SIM (e.g. the details of the notification were not shown to the user), the associated status shall be set to i notification not readî,
- When a recipient MMS User Agent has handled the notification which is stored on the (U)SIM (e.g. the details of the notification have been shown to the user), the associated status shall be set to i notification readî,
- When a recipient MMS User Agent has not retrieved an MM based on the notification which is stored on the (U)SIM, the associated status shall be set to i MM not retrievedî ñ unless the recipient MMS User Agent has rejected or forwarded the MM,
- When a recipient MMS User Agent has retrieved an MM based on the notification which is stored on the (U)SIM, the notification shall be either deleted or the associated status shall be set to i MM retrievedî,
- When a recipient MMS User Agent has rejected an MM based on the notification which is stored on the (U)SIM, the notification shall either be deleted or the associated status shall be set to i MM rejectedî,
- When a recipient MMS User Agent has forwarded an MM based on the notification which is stored on the (U)SIM, the notification shall either be deleted or the associated status shall be set to i MM forwardedî,

Upon an attempt to store a notification on a (U)SIM, an MMS User Agent should ensure that the notification is not lost unless the (U)SIM acknowledges the storage attempt to be successful.

7.1.14.X Handling of MMS-related transfer to the USIM

When an MMS notification is addressed to the USIM, then:

• the application identifier functionality as defined in 7.1.18.2.2 applies.

- the application identifier syntax as defined in 3GPP TS 31.111 [xx] shall be used.
- the ENVELOPE mechanisms for transferring the MMS notification to the USIM defined in 3GPP TS 31.111 [xx] shall be used.

7.1.18.2.2 Receiving abstract messages

If an MMS Relay/Server finds from the recipient MMS User Agentís capability indication that the recipient MMS User Agent does not support the transport of application data, the MMS Relay/Server

- should delete the content of the MM before notifying the MMS User Agent or before retrieval. In such a case the recipient MMS Relay/Server shall apply the normal reporting behaviour towards receiving as well as sending entities;
- may decide about the deletion of content based on user setting in the user's profile and/or configuration by network operator and/or MMS service provider.

If the MMS Relay/Server finds from the recipient MMS User Agentís capability indication that the recipient MMS User Agent supports transport of application data, the MMS Relay/Server

- shall not perform any type of content adaptation to a multimedia message (MM) that may be contained in the payload of an abstract message that contains a destination application identifer;
- shall pass on the destination application identifier, the *ireply-pathî* identifier (if present) and the additional application/implementation specific control information (if present) unaltered.

Upon reception of an abstract message containing a destination application identifier, the receiving MMS User Agent or MMS VAS Application shall first check if the destination application resides on it.

When an MM is addressed to an application, the associated MMS notification, intended for this application, should contain the application identifier.

If the destination application resides on a receiving MMS VAS Application, the MMS VAS Application shall immediately route the received MMS information on to the destination application that is referred to by the destination application identifier (based on the negotiated details upon application registration process).

If the destination application resides on a receiving MMS User Agent or on the USIM, the MMS User Agent shall immediately route the received MMS information on to the destination application that is referred to from the destination application identifier (based on the negotiated details upon application registration process) without presentation to the user.

NOTE: The further handling and processing of the information by the destination application is outside the scope of this specification.

If the destination application does not reside on the receiving MMS User Agent or MMS VAS Application, the MMS User Agent or MMS VAS Application shall discard the corresponding abstract message.