

3GPP TSG-T (Terminals) Meeting #23
Phoenix, USA
10 - 12 March, 2004

TP-040007

TSG-SA WG1 #23
Innsbruck, Austria, 12 - 16 Jan 2004

S1-040255
Agenda Item: 10.4

Title: LS on MMS as a Bearer for USAT
Response to: LS (T3-030928) on MMS as a Bearer for USAT from T3
Release: 6
Work Item:

Source: SA1
To: SA2, T, T2, T3
Cc:

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Attachments:

1. Overall Description:

SA1 thanks T3 for their Liaison Statement (T3-030928) on MMS as a bearer for USAT and specifically for clarifying the 5 use cases for the ongoing work. SA1 noted that actions were allocated to it in relation to the first two use cases namely:

Use Case 1 – Download of a block of data to the USIM as a Network initiated Data download

This use case is a download of a large block of data to the USIM that may be acknowledged by the USIM. The data will be 8 bit, encrypted data that is likely to be encoded as per TS 23.048. It is preferable that this Data download can be achieved with no user alerting or user interaction.

T3 suggest that a possible implementation for this service could be the addition of a new Mime type to the MMS specifications, that is 8 bit data to be sent to the USIM. This would also allow MMS's to interact with the USIM.

SA1 confirm the need to support this use case and have captured the following requirement in 5.2 of TS22.140.

MM not intended for presentation

The MMS shall support MMs that are not intended for presentation but used to originate and deliver information to applications residing on the UE.

When an application sends a MM not intended for presentation, it shall be possible to uniquely identify that originating application and the target application on the recipient UE as well as the instance of the application if more than one instance can be active. The originating application may reside on a UE or within the network. The message payload shall not be modified by the MMS.

SA1 have also captured the following requirement in 5.7 of TS22.140:

5.7 MMS client interaction with UICC

It shall be possible for an MMS client in the ME to interact with a UICC to send and receive MMS messages in accordance with the requirements in this specification. The interaction with the UICC shall allow MMS management (e.g. delivery, submission) and the presentation of multimedia messages stored on the UICC to the user.

It shall be possible to indicate to the UE that an MM needs to receive special treatment. When a MM has been marked with this indication, means shall be provided to protect the MM from accidental deletion e.g. by asking for additional confirmation to the user. The use of this indication shall be under the control of the HPLMN.

In addition 6.2 of TS22.038 contains the generic requirement:

- 7 retrieve data from the ME that has previously been received via a data channel set up using (5) above. The UICC informs the ME as to how much data it expects to retrieve.

SA1 believe that these requirements cover Use Case 1.

It was noted that BIP is also another an available mechanism that can be used to fulfil the requirements of Use Case 1

Use Case 2 – High Bandwidth Interactive communication between Network and USIM, Network initiated

This use case is a download of a large block of data to the USIM that may cause blocks of data to be returned to the network. The data will be 8 bit, encrypted data that is likely to be encoded as per TS 23.048. It is preferable that this Data interaction can be achieved with no user alerting or user interaction.

T3 suggest that the current GPRS BIP specifications allow this use case to be implemented as GPRS BIP with TCP/IP is in the USAT specification since Rel-99.

SA1 confirm the need to support this use case and draw T3's attention to the generic requirement in 9.1 of TS22.038.

9.1 Data exchange capabilities supported

USAT shall support the transmission (mobile originated) and the reception (mobile terminated) of data by means of one of the following data exchange capabilities, either using dedicated commands or managed by the ME (using the Bearer Independent Protocol) ;

Data exchange capability
SMS
CSD
GPRS
SS (MO only)
USSD (MO only)
Cell Broadcast (MT only)
SMS via GPRS
Local Bearer (Bluetooth, IrDA, RS232, USB)

SA1 believe that these requirements cover Use Case 2.

Use Case 3 - High Bandwidth Interactive communication between Network and USIM, USIM initiated

This use case is the setup of a data channel from the USIM to the network that allows the USIM to send large blocks of data and may cause blocks of data to be returned from the network. The data will be 8 bit, encrypted data that is likely to be encoded as per TS 23.048. It is preferable that this Data interaction can be achieved with no user alerting or user interaction.

T3 suggest that the current GPRS BIP specifications allow this use case to be implemented as GPRS BIP with TCP/IP is in the USAT specification since Rel-99.

SA1 have taken note of this statement on Use Case 3 and believe that they need take no further action in relation to this matter.

2. Actions:

No actions

3. Date of Next TSG-SA1 Meetings:

TSG-SA1 Meeting #24 10 – 14 May 2004

Shenzhen, CN

