

3GPP TSG-SA WG2 Meeting #43.
Seoul, Korea.15th - 19th November 2004.

Tdoc S2-043863

Title: Reply Liaison Statement on Reception Acknowledgement for MBMS
Response to: Liaison Statement on Reception Acknowledgement for MBMS, S4 (04)0631
Release: Rel-6
Work Item: MBMS

Source: SA2
To: SA4
CC: SA1, SA3, SA5

Contact Person:

Name: Frank Mademann
Tel. Number: +49 30 386 29079
E-mail Address: frank.mademann@siemens.com

Attachments: none

1. Overall Description:

SA2 thank SA4 for the liaison statement on reception acknowledgement for MBMS. SA2 discussed following question raised by SA4:

SA2 are kindly asked to consider the possibility of using acknowledgement for charging purposes and to provide feedback on whether alternative mechanisms exist or if the proposed mechanism can be enhanced.

From SA2's point of view any feedback given by a UE to the BMSC may be used to correlate charging data generated in BMSC with the reception of MBMS data by the UE. Such feedback might be the acknowledgement described by SA4 or a retransmission requests for data missing by the UE. These mechanisms imply certain chance of charging avoidance by manipulated UEs. SA3 might discuss this in their answer.

Other means to correlate charging data with the reception by the UE is the request for transmission specific encryption or DRM information, which decreases the chance of manipulation. But it delays the use of the received data until this additional information is received by point to point transfer.

There are other services, e.g. unacknowledged CS and PS data services, that charge the user regardless whether transferred data are received or not. This is also possible for MBMS and may need to be described in the contract between operator and user.

Comparing the alternatives above for the overall service it seems a good compromise to generate charging data based on UE feedback as envisaged by SA4. The details for charging data generation are SA5's area of expertise.

2. Actions:

none

3. Dates of Next TSG SA WG2 Meetings:

TSG SA WG2 Meeting #44

TSG SA WG2 Meeting #45

26 January ñ 2 February 2005, Europe

4 - 8 April 2005, China