3GPP TSG SA WG3 Security — S3#32   **S3-040142**
09 - 13 February 2004
Edinburgh, Scotland, UK

Title:	<mark>DRAFT</mark> LS on HTTP based services and order of procedures
Response to:	
Release:	Release 6
Source:	SA3
To:	SA4, SA2
Cc:	CN1

Contact Person:

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Attachments: S3-040058

1   Overall Description

TSG WG SA3 has studied the usage of Generic Bootstrapping Architecture (GBA) in MBMS in SA3#32 meeting. When discussing the usage of HTTP digest authentication in the attached document (S3-040058) the following issues were raised.

1.   SA3 is considering HTTP digest authentication as a mechanism to authenticate an MBMS user to the BM-SC on the application layer. SA3 would kindly ask if SA4 see any problems or issues in using HTTP based authentication mechanism for MBMS? One possible issue could be that using HTTP based authentication for MBMS might restrict the MBMS to support only HTTP based services. However, the current understanding of SA3 is that using HTTP based authentication for MBMS would not restrict MBMS to use only HTTP based services.

2.   SA2 has indicated to SA3 in LS S2-040458 (Cc to SA4) that SA4 is responsible for specifying certain application layer mechanisms for MBMS such as application layer joining to MBMS service. Since the application layer joining may be related to the work of SA3, e.g. user authentication, SA3 would like to ask SA4 what is meant with application layer joining? SA3 would also like to ask whether SA4 sees if and how the application layer joining is related to user authentication, for example to the HTTP digest procedure described in the attached document S3-040058?

3.   The understanding of SA3 is that the application layer joining procedure (specified by SA4) and application layer user authentication procedure (specified by SA3) have to take place before the bearer level joining procedure (specified by SA2). Especially, these application layer procedures need to take place before the MBMS authorization request is sent from the GGSN to the BM-SC (step 3, MBMS Multicast Service Activation procedure in chapter 8.2 of TS 23.246). SA3 would kindly ask if this is also the understanding of SA4 and SA2 regarding the order of procedures? SA3 would also like to ask SA2 and SA4 to comment on the relation of application layer joining procedure and bearer level joining procedure.

2   Actions

Actions to SA4

SA4 is kindly asked to comment on the following issues:

- Does SA4 see any problems or issues in using HTTP based authentication mechanism for MBMS?

- What is meant with application layer joining?

- Does SA4 see if and how the application layer joining is related to user authentication, for example to the HTTP digest procedure described in the attached document S3-040058?

- What is the understanding of SA4 regarding the order of procedures described in point 3?

- SA3 would also like to ask SA4 to comment on the relation of application layer joining procedure and bearer level joining procedure.

Actions to SA2

SA2 is kindly asked to comment on the following issues:

- What is the understanding of SA2 regarding the order of procedures described in point 3?

- SA3 would also like to ask SA2 to comment on the relation of application layer joining procedure and bearer level joining procedure.

3   Date of Next 3GPP SA4 Meetings

3GPPSA3#33	11 - 14 May 2004	Beijing, China
3GPPSA3#34	6 - 9 July 2004	TBD