

Title: Draft LS on DRM content multicasted via MBMS
Release: Rel-6
Work Item: 3GPP-MBMS

Source: SA3
To: SA2
Cc:

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Attachments: None

1. Overall Description:

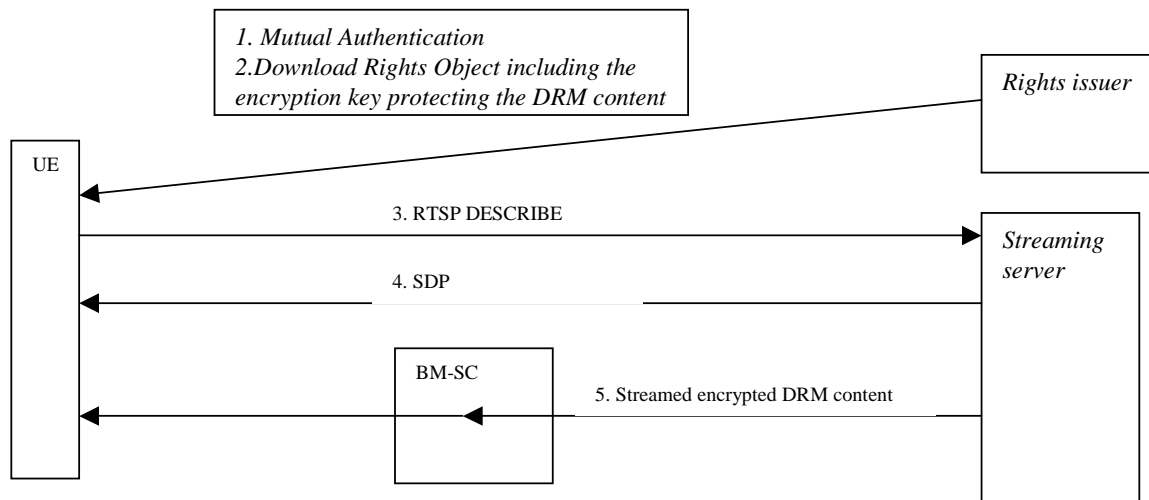
At SA3 #27 it was agreed that encryption shall take place between the BM-SC and the UE.

In SA3 #28 it has been agreed that the MBMS encryption key, which is used to encrypt the MBMS content, shall be generated by the BM-SC and also distributed to the UE at the application layer by the BM-SC.

The relation to DRM phase 2, has been considered as well, in the case when the DRM content is multicasted via MBMS. The following assumptions were provided in a contribution to SA3 #28:

The authentication phase in DRM phase 2, takes place already at the phase when Rights Objects are downloaded in the UE. This phase takes place prior to the phase when the protected DRM content is downloaded to the UE and has no impact on the MBMS architecture.

When the DRM content is distributed to the UE via MBMS, then the DRM content is already encrypted, when reaching the BM-SC. It's unclear whether an additional encryption shall take place in the BM-SC of the DRM content. This could be an operator choice.



In the case when BM-SC performs an additional encryption on the DRM content, a shared encryption key, CK, is required in the UE and the BM-SC in order to protect the MBMS encryption key at distribution to the UE. The pre-shared CK could be retrieved at AKA between the BM-SC and the UE.

In the case when the 3GPP operator has switched off the encryption in the BM-SC for the DRM content, no shared encryption key, CK, is required in the UE and the BM-SC.

SA3 is kindly asking SA2 to comment on these assumptions.

2. Actions:

To SA2 group:

To comment on the assumptions above when DRM content is multicasted via MBMS.

3. Date of Next SA3 Meeting:

SA3#29

15th July – 18th July 2003

San Francisco, USA