

Doc# OMA-BAC-DLDRM-2004-0017R2-liaison-to-3GPP-SA4-and-SA3
Originated by OMA DLDRM
19 February 2004

LIAISON STATEMENT

Title: Liaison to 3GPP SA4 and SA3 on DRM for PSS and MBMS streams Public OMA Confidential
To: 3GPP SA4 and 3GPP SA3
Copy: 3GPP SA, OMA REL, 3GPP2 S4
Response to: S4-030846, S4-030843, S3-030805
Source: Download+DRM group of the Open Mobile Alliance
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Attachments: n/a

1 Overview

This liaison statement (LS) is sent from Open Mobile Alliance Download+DRM group (OMA DLDRM) to 3GPP SA4 and SA3 in reply to liaison statements

- OMA-BAC-DLDRM-2003-0276-LS-from-3GPP-TSG-SA-WG4, containing
 - LS S4-030846, "Reply LS on issues on DRM for PSS and MBMS streams", sent from 3GPP SA4 to OMA DLDRM (cc: OMA SEC, 3GPP SA4)
 - LS S4-030843, "LS on DRM streaming service", sent from 3GPP SA4 to 3GPP SA3 (cc: OMA DLDRM, ETSI SAGE, 3GPP SA1)
 - SA4 input document S4-030757, "Proposed RTP and SDP for pre-packetized encrypted media"
- OMA-BAC-DLDRM-2003-0275-LS-from-3GPP-TSG-SA-WG3-Security, containing
 - LS S3-030805, "LS on Protection of MBMS and DRM Streaming Services", sent from 3GPP SA3 to 3GPP SA4, DLDRM, ETSI SAGE (cc: 3GPP SA1)
 - SA3 input documents S3-030752 and S3-030750

It mainly informs SA3 and SA4 that DLDRM has received, understood and noted the information given in the liaison statements. It further informs SA4 that DLDRM understands SA4 will define the final specification text for the content and streaming format and signalling of encrypted Release 6 PSS streams and Release 6 3GP files, and that DLDRM is looking forward to receive knowledge about the final specification text as soon as possible.

2 Proposal

OMA DLDRM thanks 3GPP SA4 and 3GPP SA3 for the ongoing good cooperation and information exchange, and in particular for the recent liaison statements with the numbers mentioned above.

DLDRM would like to convey the following responses to SA3 and SA4:

- In response to S4-030846:

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- OMA DLDRM notes that SA4 has come to the working assumption that the DRM protection of release 6 streams is based on an encrypted RTP wrapper payload format, signalling as proposed in SA4 input document S4-030757, optional (to implement and to use) integrity protection using standard SRTP as defined by the IETF, and file format additions for supporting encrypted media in 3GP files; and that all Rel 6 file profiles may contain encrypted media. This working assumption is in line with the OMA DLDRM working assumption. OMA DLDRM is looking forward to the final specification text, presumably contained in TS 26.234 and TS 26.244, that defines the mentioned mechanisms.
- OMA DLDRM further notes that SA4 intends to put TS 26.234 and TS 26.244 under formal change control after the 3GPP SA plenary in March 2004. According to OMA policies, external specifications must be sufficiently stable if they are to be referenced by OMA. At this point in time, OMA DLDRM has not decided how to handle the dependency on 3GPP specifications that are not yet approved. In any case OMA DLDRM would appreciate if the mentioned specifications would be elevated to approved state as soon as possible, and if 3GPP would notify OMA DLDRM about any status changes of the mentioned specifications.
- OMA DLDRM notes that 3GPP SA4 requests that there would be no overlap between 3GPP and OMA specifications. DLDRM supports that view and intends to refer to 3GPP specifications wherever possible, as to avoid duplication of specifications.
- OMA DLDRM notes that SA4 is working on support for DRM protected PSS media in the PSS UAPProf vocabulary.
- In response to S4-030843:
 - DLDRM notes that SA4 has not decided on a protocol to be used for MBMS streaming, but is considering SRTP as defined by IETF or as described in S3-030750.
 - DLDRM notes that SA4 hopes that point-to-point and MBMS streaming will use common DRM techniques if possible. Although MBMS has not been considered specifically in DLDRM, it is a general goal of DLDRM to develop DRM standards that can be used in a service, transport and bearer agnostic way.
- In response to S3-030805:
 - DLDRM notes that SA3 regards harmonization between DRM and MBMS security and re-use of cryptographic algorithms as necessary, and that SA3 has not decided on a protocol to be used for MBMS streaming, but is considering SRTP as defined by IETF or as described in S3-030750.
 - DLDRM notes that there is an integrity protection requirement for MBMS.
 - DLDRM notes that selective encryption may not be compliant with MBMS requirements as contained in 3GPP TS 33.246. DLDRM would like the solution to be provided by 3GPP to allow for selective encryption. The use of selective encryption is optional for the content issuer to use.
 - DLDRM notes that SA3 finds AES in Counter Mode with 128 bit key length acceptable for DRM purposes.

3 Requested Action(s)

We kindly request 3GPP SA4 and SA3 to note the information contained in this LS, and to reply in case there are questions or comments. DLDRM understands SA4 will define the final specification text for the content and streaming format and signalling of encrypted Release 6 PSS streams and Release 6 3GP files, and is looking forward to receive knowledge about the final specification text as soon as possible. We would thus welcome timely information on versions of TS 26.234 and TS 26.244 that can be referenced by OMA DLDRM.

The next known OMA DLDRM meeting dates are:

OMA working group, 25-30 April 2004, Munich (Germany)

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OMA plenary, 20-25 June 2004, Bangkok (Thailand)

Also, we are holding weekly telephone conferences.

4 Conclusion

We thank 3GPP SA4 for the good and continued cooperation and information exchange. With this LS we reply to the recent liaison statements S4-030846, S4-030843, and S3-030805. We understand SA4 will define the final specification text for the content and streaming format and signalling of encrypted Release 6 PSS streams and Release 6 3GP files, and are looking forward to receive knowledge about the final specification text as soon as possible.

With best regards, OMA Download+DRM group