

**INTERNATIONAL ORGANISATION FOR STANDARDISATION
ORGANISATION INTERNATIONALE DE NORMALISATION
ISO/IEC JTC1/SC29/WG11
CODING OF MOVING PICTURES AND AUDIO**

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Title **Liaison Statement on URI Signing for MPEG-DASH**
To **IETF**

MPEG would like to inform IETF that MPEG experts have discussed the possible usage of the URI Signing for CDN Interconnection (CDNI) specification in a MPEG-DASH context during MPEG 109.

While the original purpose of URI signing as being defined in IETF is to allow a CDN to check the authenticity of an incoming request, the mechanisms provided by URI signing can also be applied to allow for other use cases, e.g. to prevent a client from skipping pre-roll and mid-roll advertisements. In one possible solution MPEG discussed, the DASH client receives a token from a given HTTP response and reinserts it in the next HTTP request URL as a query parameter. Upon reception, the CDN may or may not fulfil the request of the DASH client and this interaction continues during the streaming session.

It appears that although both technologies could be combined, it would require some modifications to potentially both specifications, MPEG-DASH and URI Signing for CDN Interconnection. Therefore MPEG would appreciate it if the IETF could consider the extension of the original use case of the URI signing in the context of DASH and more generally of segmented HTTP adaptive streaming.

MPEG welcomes any initiative for a close collaboration on this topic if the IETF considers it desirable. MPEG experts are expected to submit more details on DASH use cases to the IETF in order to investigate these potential modifications.

Our future meetings:

- DASH Ad-hoc meeting, 19 October 2014, Strasbourg
- The 110th MPEG meeting, 20 – 24 October 2014, Strasbourg