

**Number:** L201846A

**Subject:** Liaison to 3GPP SA4: Latest plans on DASH APIs

**From:** **DASH-IF**  
Liaison Officer, William Frantz <dashif+liaison@groupspaces.com>  
Rep to 3GPP SA4, Thomas Stockhammer <tsto@qti.qualcomm.com>

**To:** **3GPP**  
3GPP Liaisons Coordinator <3GPPLiaison@etsi.org>

**Date:** 13-Nov-2018

Dear 3GPP SA4 Experts,

The DASH-IF wishes to inform SA4 of our latest thinking and plan regarding development of the DASH APIs for interactivity in support of the 3GPP work item on Service Interactivity.

The original request from 3GPP on specification of DASH APIs by the DASH-IF, and subsequently agreed modification based on dialog between our two organizations, pertains to the following three APIs

- DASH Event API
- Timed Metadata Track API
- Interactivity usage measurement and reporting API

In recent DASH-IF discussion, members have come to the opinion that the third API, on interactivity usage measurement/reporting, might not be so widely useful. A more likely implementation alternative is direct communications between the interactivity application on the device and a network server to exchange measurement rules and reported metrics, which does not involve the DASH client acting purely as an intermediary. Since DASH-IF work objectives typically cover functionalities or enablers with generally broad industry relevance or applicability, we would prefer that this API be left to 3GPP to specify. On the other hand, the Event and Timed Metadata Track APIs in our opinion has broad utility in media distribution use cases for the notification of and metadata carriage for a diverse range of media-timed incidents pertaining to a variety of application-specific functionality, including the execution of service interactivity related logic and rendering of interactive media content. We also believe that reducing the scope of the DASH API work will better allow the DASH-IF to complete our task within the desired timeframe by 3GPP, considering already the slip in progress of DASH APIs development relative to our original milestones. Our expected completion timeframe for specification of the DASH API for interactivity remains 1Q 2019.



The DASH-IF asks that 3GPP SA4 takes the above information into account and provide us any related comments or questions.

**Next Meeting:**

- DASH-IF #19 Face 2 Face

Dec 4-5, 2018, San Diego, CA, USA

Regards,  
William Frantz  
DASH-IF Liaison Officer