



**To:** IMTC PSS AG  
**Title:** Liaison Statement on DASH-IF status  
**Date:** September 9, 2014

**DASHIF-L0024**

**DASH-IF Contact:**

Iraj Sodagar  
Email: irajs@live.com  
Address: 835 Market Street, Suite 700, San Francisco, CA 94103, USA  
Tel: +1 (415) 810-5690

Dear Experts,

The DASH-IF is progressing its interoperability work based on MPEG-DASH standards as well as other standards for building an end-to-end interoperable ecosystem for DASH-based streaming. We would like to inform you on our recent activities, invite you to provide feedback and harmonize any future extensions on DASH.

Beyond promotional activities of the DASH standards, the DASH-IF works on interoperability aspects including:

- Documentation of the Interoperability Points and publication of Implementation Guidelines
- Test Cases for DASH-IF's Interoperability Points
- Test Vectors supporting Test Cases, hosted on public web servers
- Conformance Software hosted on DASH-IF web site
- Open Source Reference Player
- Open Source Work Flow for Content Generation
- DASH Identifiers Repository

For details on the different tools and assets, please visit <http://dashif.org>. Specifically for the purpose of documenting Interoperability Points and in the process of publication of its Implementation Guidelines, the DASH-IF has recently published four documents for community review (i.e. requesting feedback from internal and external organizations on the documents), namely

1. DASH-IF Implementation Guidelines: Interoperability Points; Version 3.0

- This document adds the following features to v2.0: DRM updates, H.265/HEVC support, Trick Modes, CEA608/708
- [Document for community review \(v2.9\) published August 26th, 2014.](#)
- The document is available for community review until November 1st, 2014.
- Please use the following bug-tracker to submit issues: <https://gitreports.com/issue/Dash-Industry-Forum/DASH-IF-IOP>



- A final version is expected to be published by December 15th, 2014.
- 2. Guidelines for Implementation: Live Services based on DASH-IF IOP; Version 1.0
  - [Document for community review \(v0.9\) published August 24th, 2014.](#)
  - This document defines two Interoperability Points for distributing live and linear TV services and provides content authoring and client implementation requirements, recommendations and guidelines for the above use-cases.
  - The document is available for community review until November 1st, 2014.
  - Please use the following bug-tracker to submit issues: <https://gitreports.com/issue/Dash-Industry-Forum/Live>
  - A final version is expected to be published by December 15th, 2014
- 3. Guidelines for Implementation: Ad Insertion in DASH; Version 1.0
  - [Document for community review \(v0.9\) published September 1st, 2014.](#)
  - This document provides four Interoperability Points for implementing ad insertion using the DASH 2<sup>nd</sup> edition specification (ISO/IEC 23009-1:2014 2nd edition, including COR1) and provide server and client side recommendations and best practices for the above use-cases.
  - The document is available for community review until November 1st, 2014.
  - Please use the following bug-tracker to submit issues: <https://gitreports.com/issue/Dash-Industry-Forum/AdInsertion>.
  - A final version is expected to be published by December 15th, 2014.
- 4. Guidelines for Implementation: DASH-264/AVC Test Cases and Test Vectors; Version 1.0
  - [Document for community review \(v0.9\) published January 7th, 2014](#)
  - This document provides overview of 23 test cases for DASH-IF Interoperability Points.
  - Please use the following bug-tracker to submit issues: <https://gitreports.com/issue/Dash-Industry-Forum/Test-Cases>
  - A final version is expected to be published by November 1st, 2014.

These documents are available at our website (<http://dashif.org/white-papers/>) for public community review for the next 2 months. The DASH-IF would appreciate any feedback on the documents and the relevance for your work.

Among others, DASH-IF continues work in the following areas:

- DASH-based distribution of Ultra-HD content including advanced video formats
- Broadcast and low-latency distribution of DASH-based live services
- Content Exchange Formats for DRM backend interfaces
- New audio, video and subtitle formats

We are interested to harmonize DASH-based streaming in different domains and ecosystems. For this purpose, if you have any new work items, new requirements or any comments on our documents, tools and new work topics, please provide feedback to us as an organization or through individual members using the public platform at our webpage.

Next Meeting:

- December 3-5, 2014: Denver, United States