











# **Technical Synergies and Next Steps**

Sessions 2 and 3

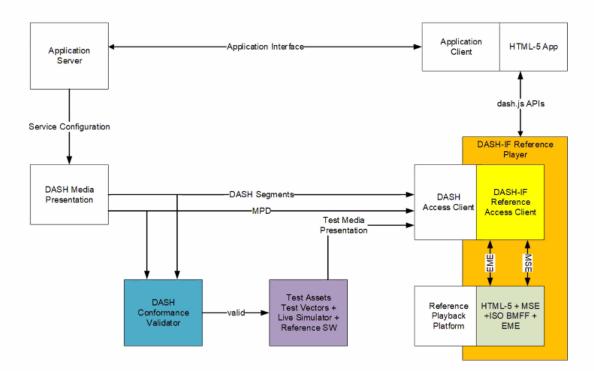
09.05.2022

1st OSMART Workshop

## Getting the broad picture right

- Thomas:
  - A distinction between Test Material, Conformance Software and Reference Tools is needed
  - Interoperability needed
  - An example from DASH-IF:

More than just specs: Test, Reference and Conformance



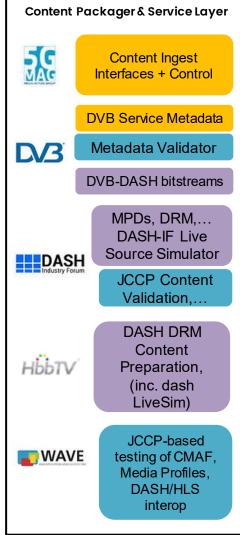


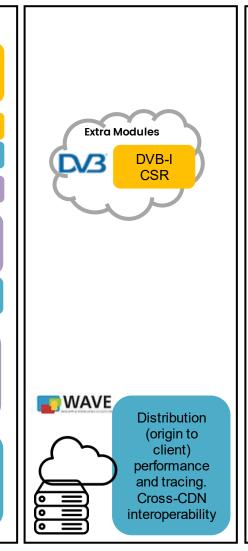
## Getting the broad picture right

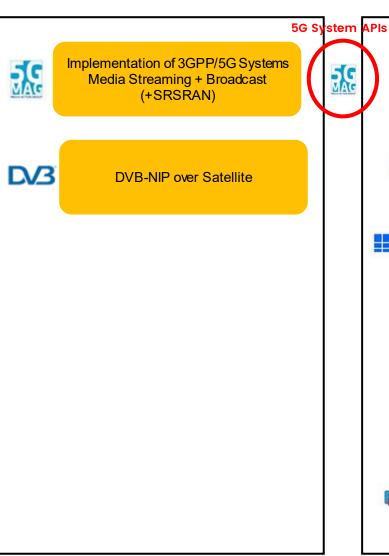
Conformance Software

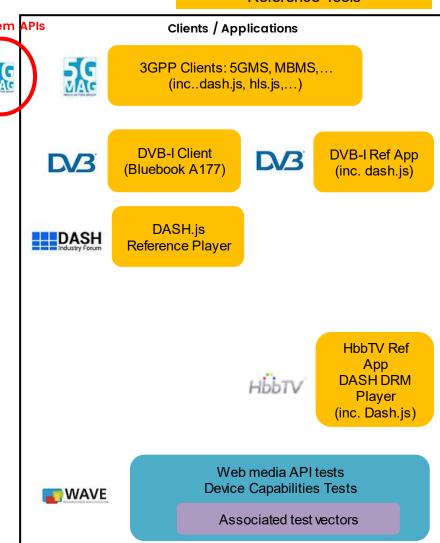
Testing Material











CONTENT PROVISION AND MANAGEMENT

CDN/CLOUD/DATA

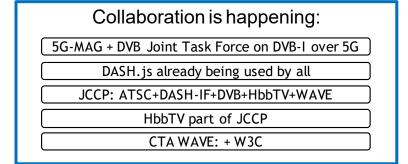
**ACCESS NETWORK DOMAIN** 

USER EQUIPMENT / DEVICES



#### What's next for each of us?

- Mike (CTA WAVE):
  - Frameworks for extension:
    - JCCP, W3C WPT (Web Platform Test), CTA WAVE
    - HbbTV has a test framework (not public) and is using the above
- Daniel (DASH-IF):
  - HbbTV: Dash.js + HbbTV
  - DVB: uses dash.js in the DVB-I Reference Client
  - CTA WAVE: Feedback from Devices and implementation
  - 5G-MAG: Media Session Handler + dash.js
- Johann (5G-MAG):
  - 5GMS Implementation
  - Service Announcement conformance?
  - DVB-I: 5G-MAG Reference Tools can offer V&V on the scope of JTF
  - Use Cases: Targeted-Ads, Content Replacement (to find out what can be used from projects)
- Romain (JCCP):
  - Maximize visibility of the projects / Community building
  - Focus on goals to maximize efficiency of resources and let people contribute more

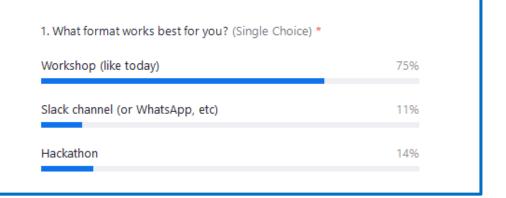




### Finding best framework for developers

- Thomas: Is a workshop with slides good?
  - Today: Meeting each other and presenting the tools
- Daniel:
  - Getting developers together when we want to implement a specific use case
  - On-boarding new people / students
  - Involve developers / bring code back and merge it
  - On-going activity in 3GPP on «how to write specs that end up being useful to developers»
- Paul:
  - Getting feedback from end users of the tools

What do attendees think?





### Next steps on joint work

- Work on a full picture architecture (more clarification is needed)
- Exchange information on the use-cases to be implemented and try to align roadmaps
- Work on a proposition for a follow-up gathering



#### Interested in the OSMART Tools?

- 5G-MAG Reference Tools
- DVB Verification and Validation tools
- DASH-IF dash.js development
- DASH-IF JCCP (Joint Streaming Conformance Software Project)
- HbbTV Reference Video Application
- CTA WAVE Test Suite

