



Technical Synergies and Next Steps

Sessions 2 and 3

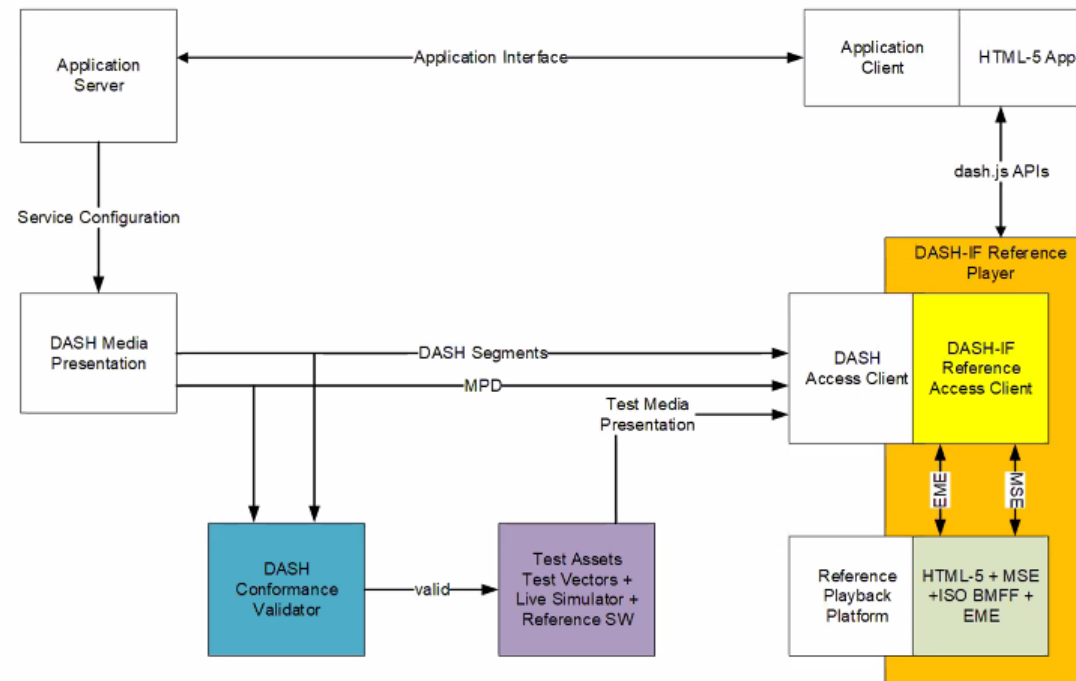
09.05.2022

1st OSMART Workshop

Getting the broad picture right

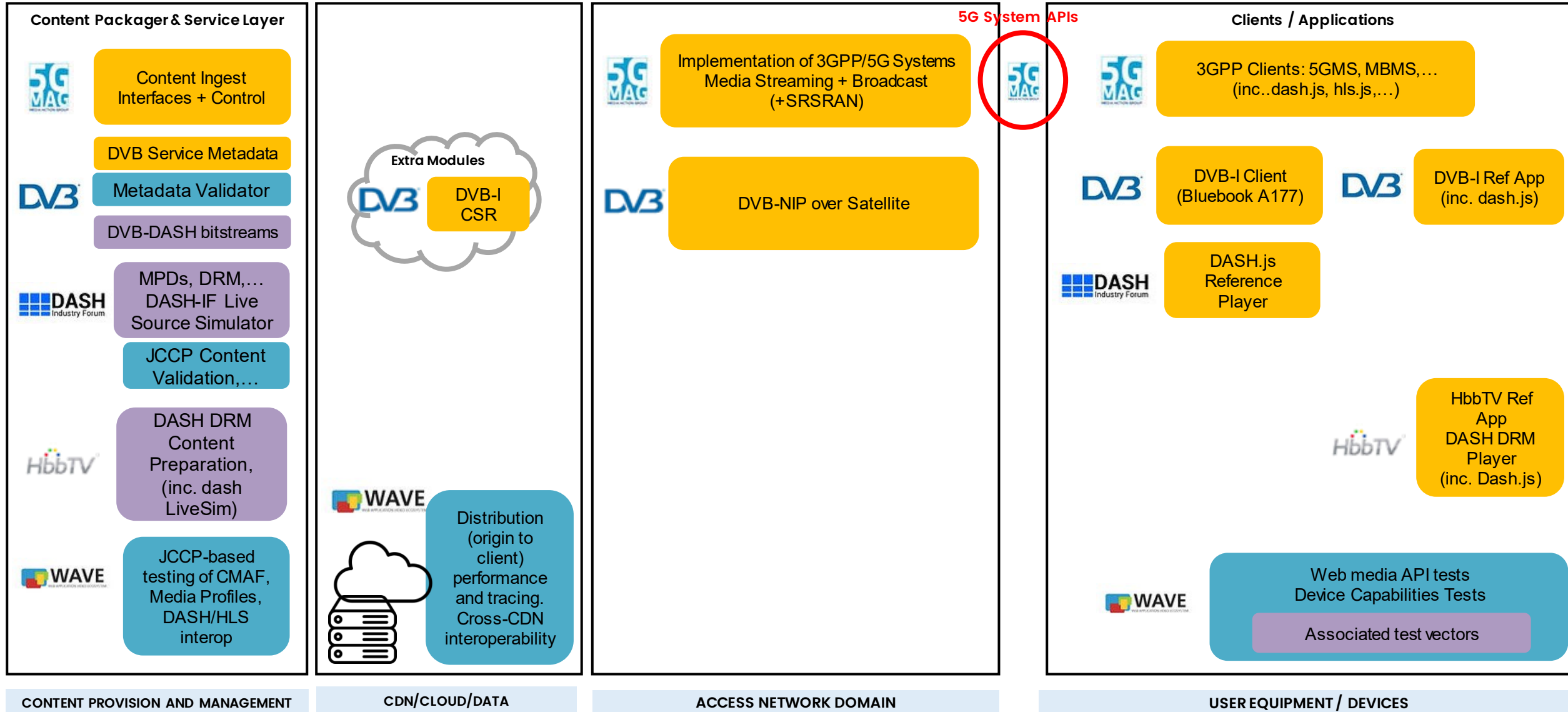
- Thomas:
 - A distinction between **Test Material**, **Conformance Software** and **Reference Tools** is needed
 - Interoperability needed
 - An example from DASH-IF:

More than just specs: Test, Reference and Conformance



Getting the broad picture right

- Conformance Software
- Testing Material
- Reference Tools



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

Collaboration is happening:

5G-MAG + DVB Joint Task Force on DVB-I over 5G

DASH.js already being used by all

JCCP: ATSC+DASH-IF+DVB+HbbTV+WAVE

HbbTV part of JCCP

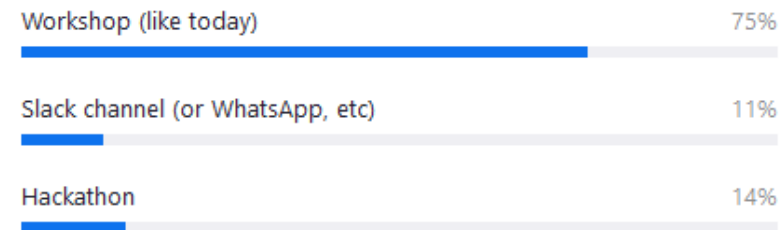
CTA WAVE: + W3C

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?

1. What format works best for you? (Single Choice) *



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](#)