Fraunhofer FOKUS

WAVE
WEB APPLICATION VIDEO ECOSYSTEM

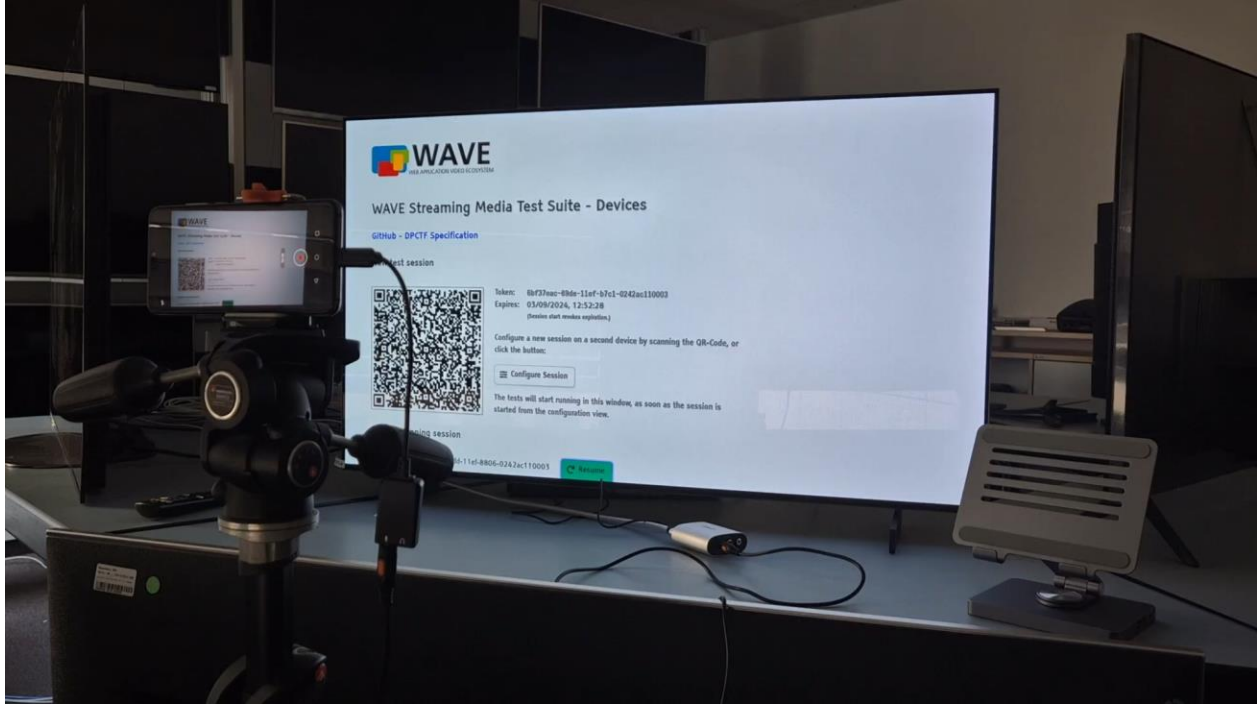
Fraunhofer FOKUS Institute for Open Communication Systems

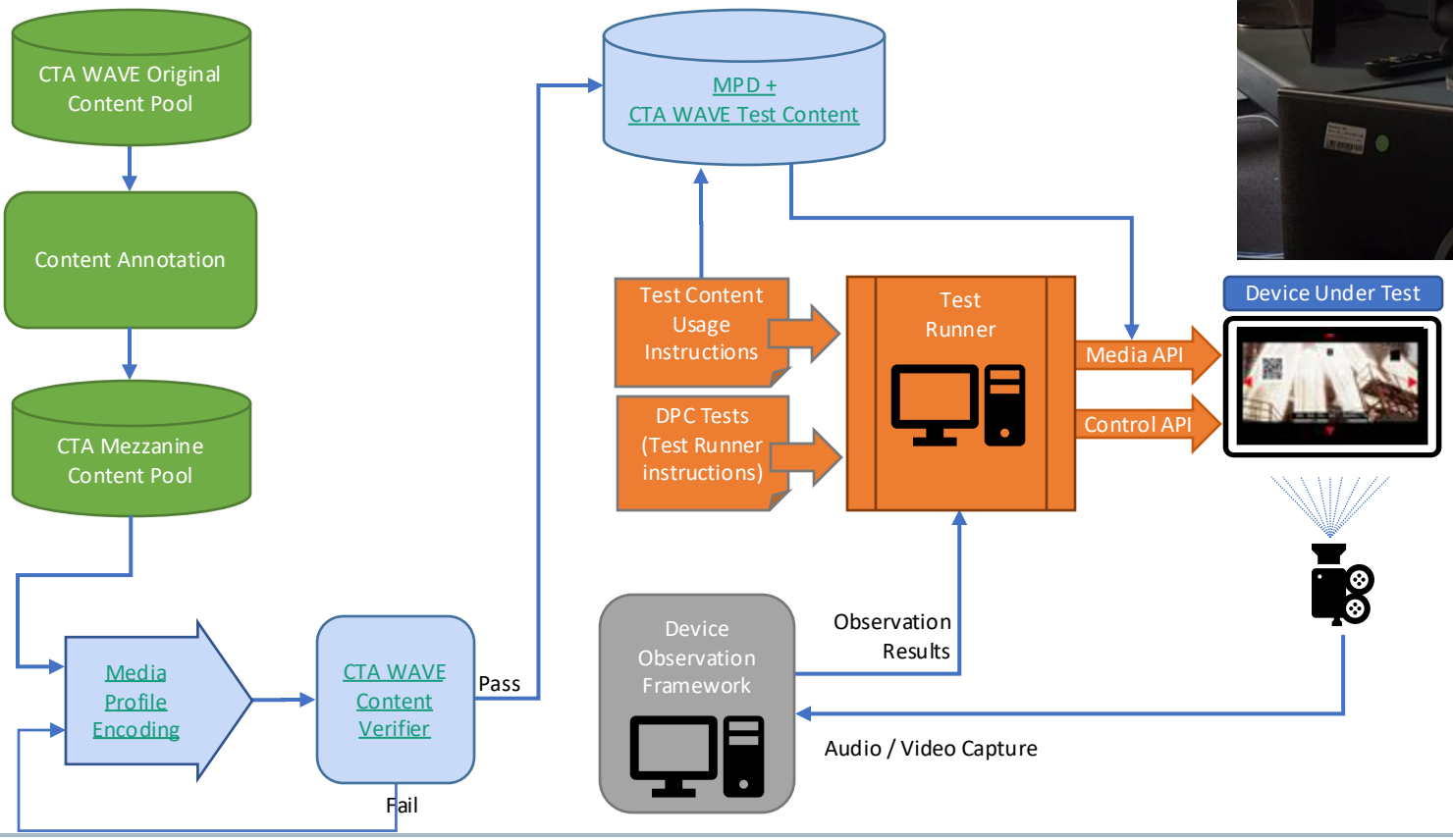
Advancing HbbTV interoperability: latest developments in the CTA WAVE Streaming Media Test Suite

Louay Bassbouss | HbbTV Symposium - Istanbul | 12.11.2025

CTA WAVE Streaming Media Test Suite

Overview/Recap





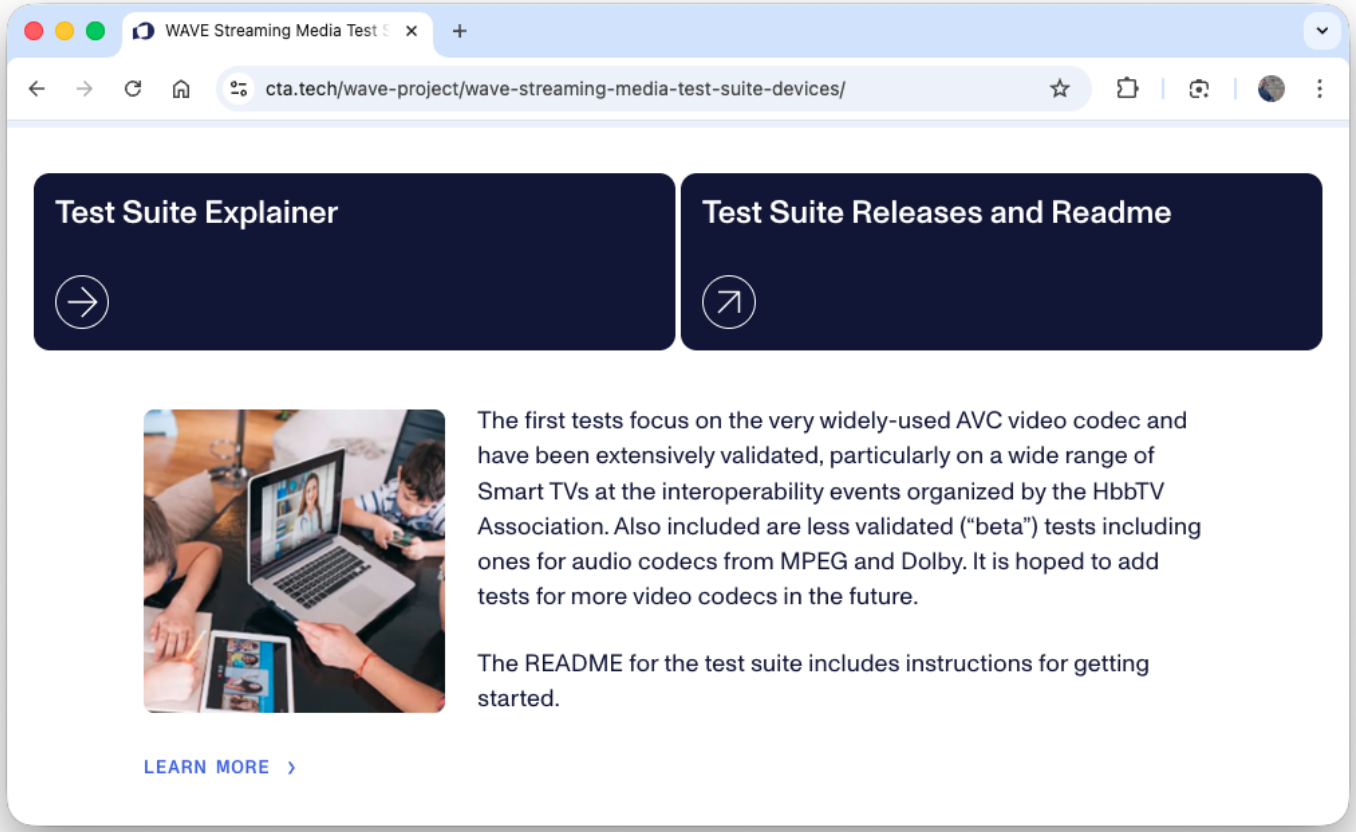
Test Suite Components

- Mezzanine Content
- CMAF Test Content
- Test Runner (TR)
- HTML & JS Templates
- Observation Framework (OF)
- Docker Deployment

CTA WAVE Streaming Media Test Suite

Where to start?

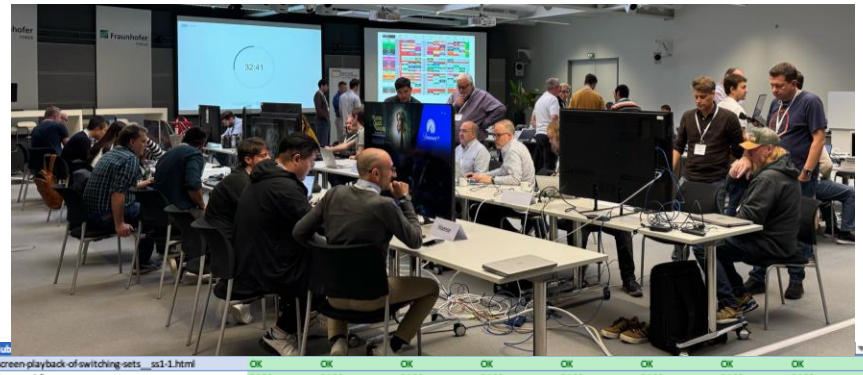
- Visit Test Suite Landing Page (or scan QR code)
- Read the Test Suite Explainer
- Visit the Test Suite main GitHub Repo dpctf-deploy and follow the instructions in the README



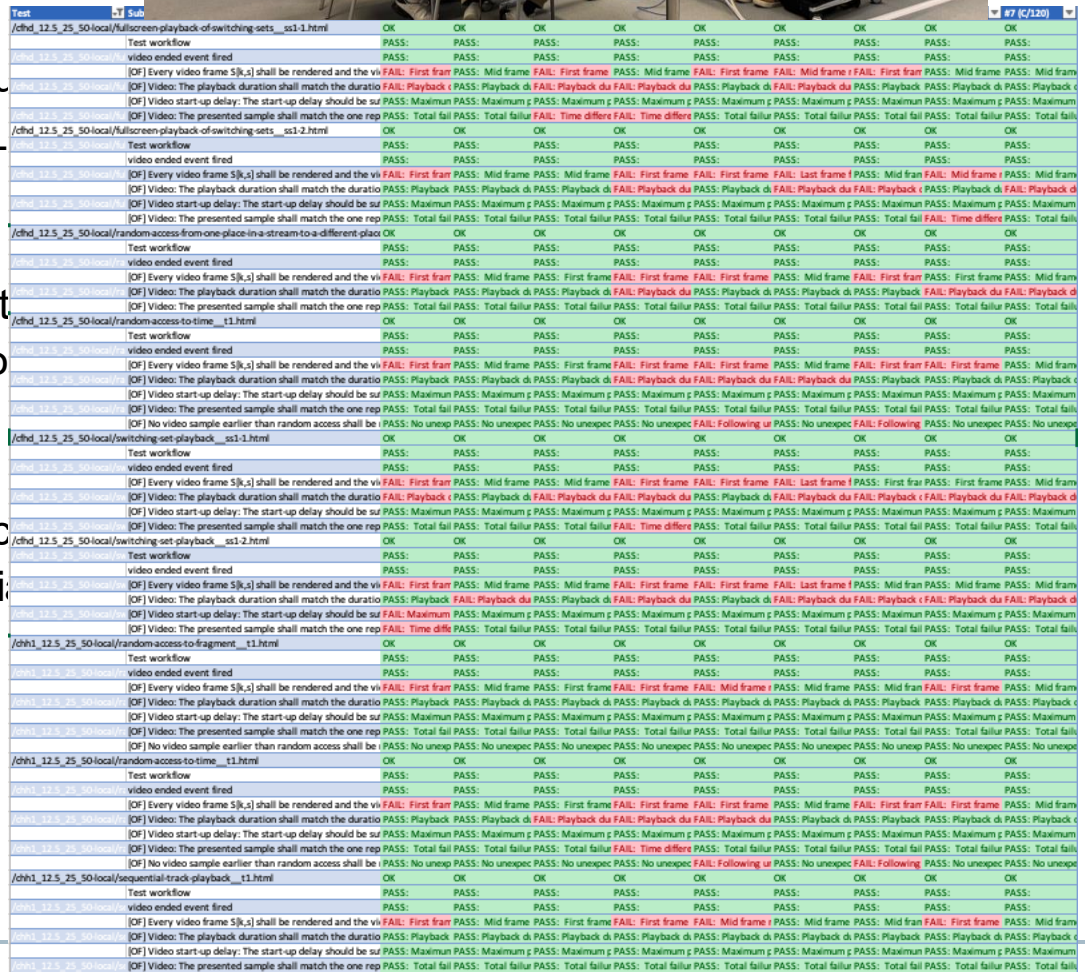
https://www.cta.tech/wave-project/wave-streaming-media-test-suite-devices/

CTA WAVE Streaming Media Test Suite

Latest Development / Activities



- Major test suite release v3.0.0 published (June 26):
  - New test combinations (including audio-only tests)
  - Includes 66 Validated Tests & 30 Beta tests (Validation at HbbTV plu
  - Improved deployment and documentation (support of all platforms L
  - Updated Device Observation Framework
- Preparation for upcoming test suite release:
  - New generated HEVC Test Content + Corrosponding Test Combinat
  - Further validation at HbbTV plugfests and Fraunhofer TV Lab → mo
  - Improve observation performance of long-time playback tests;
- CTA WAVE Liaison on Commercial DRM Testing
  - EME API Survey with 25+ industry responses highlighting importanc
  - Looking to extend the coverage of EME testing to include commerci
- Expected Spec Updates:
  - Tests for WCG, HDR and Dynamic Mapping
  - Selected Dynamic Mapping Profiles on top of HEVC
  - Commercial DRM
  - Edit Lists → Liaison to MPEG sent, and tests prepared



Contact

Dr. Louay Bassbouss
Senior Project Manager R&D
Phone +49 (30) 3463-7275
louay.bassbouss@fokus.fraunhofer.de

Fraunhofer FOKUS
Institute for Open Communication Systems
Kaiserin-Augusta-Allee 31
10589 Berlin, Germany
info@fokus.fraunhofer.de
www.fokus.fraunhofer.de

https://mws.fraunhofer.de