

The background features abstract, overlapping green geometric shapes in various shades of green, creating a modern and dynamic look. The shapes are primarily located on the left and right sides of the slide, framing the central text.

# Audiovisual Media Formats for Browsers

W3C Community Group

W3C TPAC 2023

September 14, 2023

# Audiovisual Media Formats for Browsers

## Agenda

1. Welcome and introductions *(10 min)*
2. Mission and charter of the group *(15min)*
3. Proposal for Addition to Media Capabilities Specification - Timo Kunkel, Dolby *(30min)*
4. Next Generation Audio codec browser support (AC4 and MPEG-H) - Bernd Czelhan, Fraunhofer *(15-30min)*
5. Future path and closing remarks *(5 min)*

Please carefully review CG rules/policies (<https://www.w3.org/community/about/>)

# Audiovisual Media Formats for Browsers

- ▶ Start-up meeting at TPAC 2022 in Vancouver
- ▶ Gathered feedback from community
- ▶ Develop charter
- ▶ First (virtual) CG meeting in July 2023

# — CHARTER

## Charter - Scope

- ▶ Provide forum to **discuss features of open & commercial audio-visual media formats** that are **relevant with web technologies** used in browsers, TVs, and Smart TVs.
- ▶ Includes **identifying and reporting** if and how individual formats and their features are
  - ▶ **referenced,**
  - ▶ **can be called from a web environment and**
  - ▶ **query necessary information** from a host system in meaningful ways.
- ▶ The **interplay & synchronization among different formats** is also considered.

## Charter - Scope

Assessments of group include

- ▶ **Developments in adjacent fields** like broadcast, OTT, gaming and film industry.
- ▶ This wide scope field is intended to **identify immediate challenges influencing audio-visual web technologies** that are not sufficiently covered by the active roadmap of other W3C groups.
- ▶ This includes **current challenges** as well as **topics of mid-term relevance and future trends**.

## Charter - Deliverables

For **current** challenges,

- ▶ **Identify changes beneficial to existing web APIs** needed to support open and commercial sound and imaging media formats.

Report **relevant trends & developments**.

- ▶ Any observations will be raised in the
  - ▶ **relevant issue tracker** for those specifications and,
  - ▶ when appropriate, provided as one or more reports identifying challenges & opportunities to other W3C groups.

## Charter - Specs, Test Suites & Non-Normative Reports

### Specifications

- ▶ No Specifications will be produced under the current charter

### Test Suites & Other Software

- ▶ The Community Group does not plan to create test suites or other software.

### Non-Normative Reports

- ▶ The group may produce other Community Group Reports within the scope of this charter but that are not Specifications,
  - ▶ E.g. suggest requirements for new APIs,
  - ▶ Future looking "technology landscape" overview reports.



## Charter - Dependencies or Liaisons

### W3C Groups

- ▶ W3C Media Working Group
- ▶ W3C Audio Working Group
- ▶ W3C Color on the Web Community Group
- ▶ W3C Immersive Web Community Group and Working Group
- ▶ W3C Media & Entertainment Interest Group
- ▶ *Any others?*

### External Groups

- ▶ We are working on establish external liaisons (*suggestions welcome!*)