



# Meetup on DVB's accessibility work

IBC 2025, 2025-09-13

(Andreas Tai, SWR, Chair TM-I Task Force Accessibility)

# DVB is setting standards



# Accessibility @ DVB



# DVB Specifications - Accessibility

- DVB Bitmap Subtitles
- DVB TTML (XML Subtitles over TS)
- DVB-SI (EPG)
- ....

# DVB-I and Accessibility

## Give a boost to accessibility with DVB-I

Andreas Tai (SWR)



Personalization is key. People not only have different preferences – they also have different abilities and limitations.

Fortunately, we have many different variations of our audiovisual media content. A programme that is broadcast

a preference in the device settings, for example, to view sign language when it is available, and when they switch to a channel where the current programme has sign language in a stream delivered via broadband, that stream will have already been selected for them. The user may have already known this, because they could have consulted a programme guide showing only programmes with sign language available, regardless of where the content came from.

DVB-I is a big step towards making this scenario a reality. It hides the complexity of the delivery mechanisms from the user. The user selects channels and programmes, but the device can choose the appropriate content delivery mechanism for them, taking into account the user's preferences and other priorities. This includes preferences for the type of access.

### ACCESSIBILITY SIGNALLING

The DVB TM-I group has codified an extended accessibility metadata model that covers all types of access that are currently used in the field, from audio description and subtitles to sign language and dialogue enhancement. This model can and should be used by content providers to enrich the signalling of their content. With this metadata, DVB-I enabled TV devices can personalize the user experience with

## DVB Scene – Issue 65 – March 2025

How to implement Accessibility with DVB-I?

A 185

Accessibility Implementation  
Guidelines

# Brandnew Update of A 185 (Draft)

- Description of Accessibility Features and DVB signalling:
  - Audio Description
  - Enhanced speech intelligibility audio mix
  - Sign interpreted Video
  - Translation Subtitles
  - Hard of Hearing Subtitles....
- Available at: [dvb.org/specifications](https://www.dvb.org/specifications)

# Who is working on accessibility in DVB?

Amongst others....

TM-I Accessibility TF



# Who is the TM-I Accessibility TF?

- DVB members working in the TF:
  - Nicholas Frame (TP Vision)
  - Jan Müller (Dolby)
  - Ranjeet Kaur (DTG)
  - Francesc Mas (3 Cat)

# Collaborations: DTVP

# We discuss...



Coordinate



Design



Create  
forums



Exchange



Promote



Inform

# Together with DVB...



...we focus on best user experience on screen!

- Discussing upcoming industry standards with our members
- Improving accessibility features
- Promoting DVB-I Use Case and Implementation profile

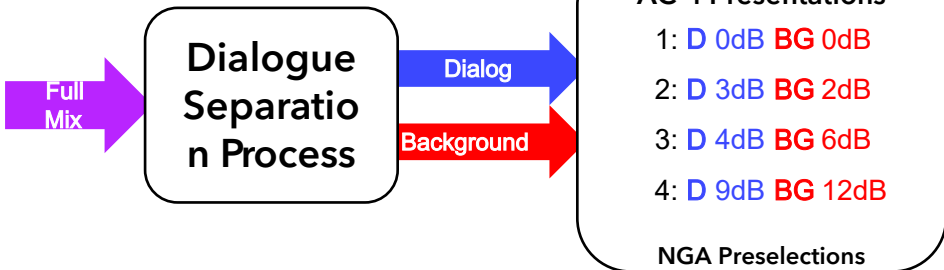
# DVB - Demos at IBC

# Dolby, Ateme, Sofia Digital Demo



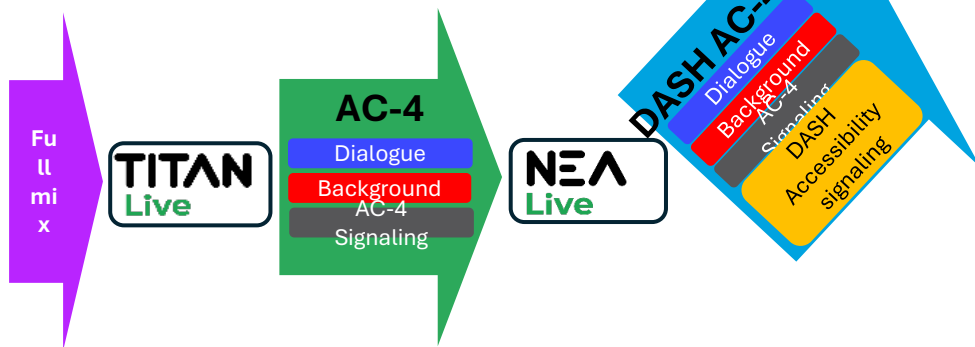
Dolby AC-4 Encoder

H3.B60



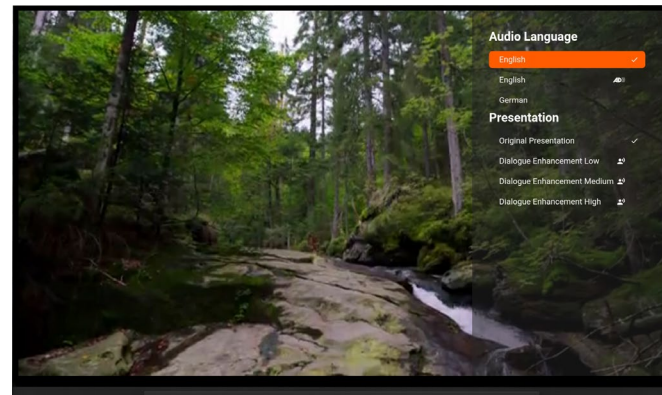
Titan Live Encoder

H1.D55



H1.F70

SOFIADIGITAL



New public DVB -I Client application for Android,  
Developed in collaboration with Dolby

Hybrid app supporting IP and DVB based deliveries

Accessibility features implemented:  
Audio Description, Dialogue Enhancement

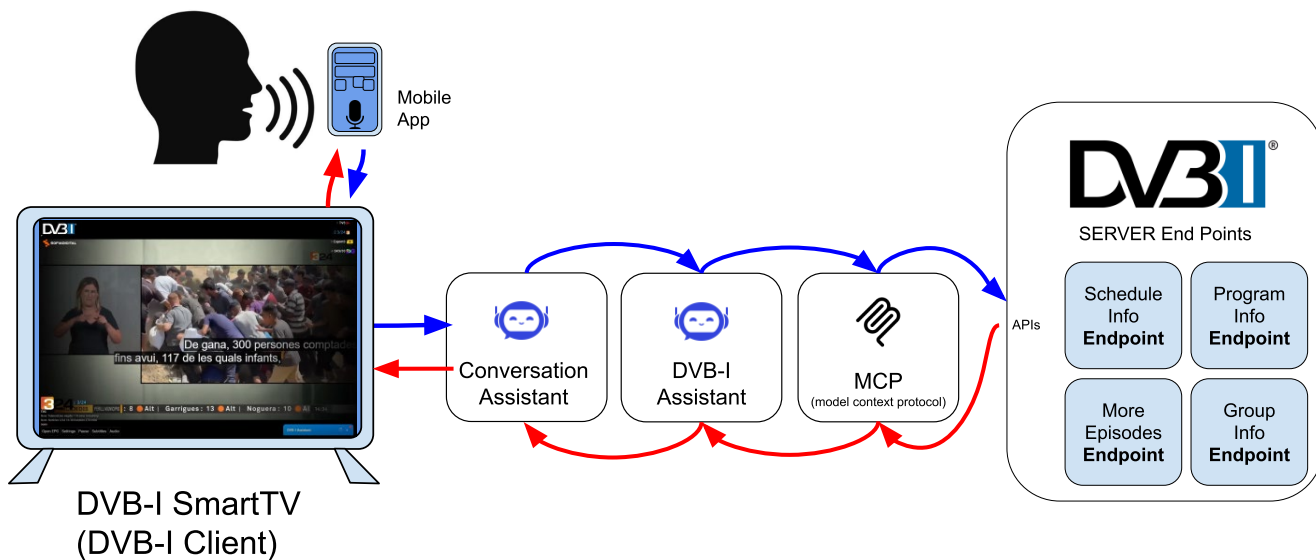
Coming soon: Subtitles, Spoken subtitles, ...

3Cat Demo - 10.D21 (EBU)



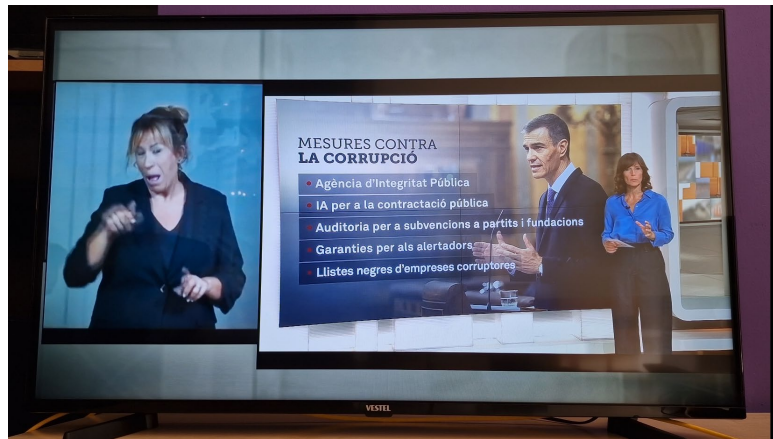
# 3Cat Demo– DVB-I content interaction with AI voice

- **Conversation AI Agent & DVB-I AI Agent** allow to interact with DVB-I Endpoints.
- **DVB-I Endpoints** offer all required information about TV channels and programs, accessibility signalization, VoD, etc.



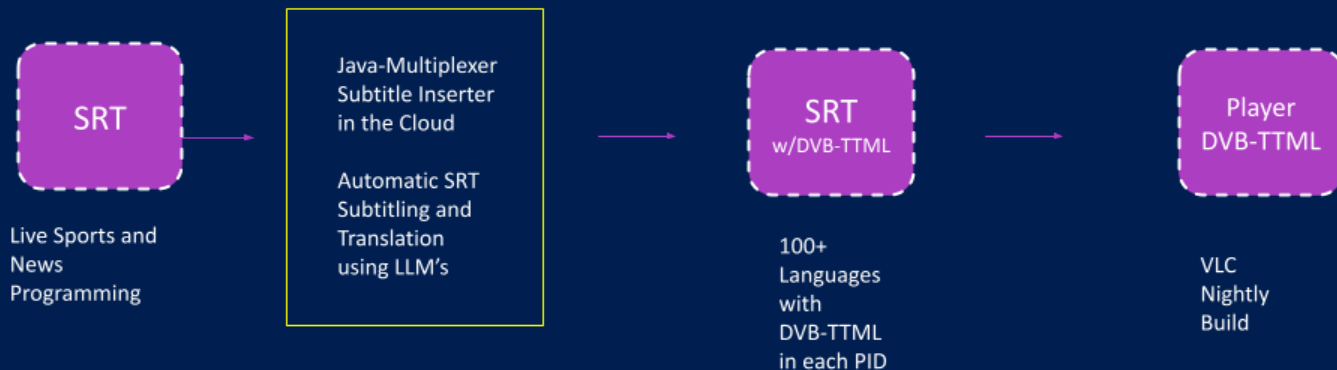
# 3Cat Demo – DVB-I Customizable Sign Language Service

- **HbbTV with WASM** allows to decode a second video stream (Sign Language) and to show it as a switchable and customizable service for the consumer.
- **DVB-I** allows to configure the Sign Language preferences in SmartTV user interface, in the same way as subtitles and audiodescription. So end user can automatically receive the service when available.



# SyncWords Demo – (5.A59)

## SRT Live Subtitling with DVB-TTML



Enable Automatic Live Subtitling in 100+ Languages  
using the DVB-TTML specification

# Want to „talk“?

- Approach us at IBC
- Write to [dvb@dvb.org](mailto:dvb@dvb.org).