

## **DVB** update

#### Inter-SDO call

Emily Dubs Head of Technology, DVB

13 October 2021

# Agenda

Next Generation Video Codecs (NGVC)

DVB-I Central Service List Registry (CSR) - PoC

DVB-I for 5G (or for any future distribution standard)

DVB Workplan

**DVB DEMOS** 



#### Next Generation Video Codecs (NGVC)



- ☐ In July, DVB endorsed Commercial Requirements (CRs) for NGVC to pave the way for 4K and 8K services.
- □ During this phase 1, three codecs have been identified as candidates for addition in the DVB toolbox: AV1, AVS3 and VVC.
- The work has started to investigate their technical compliance with the CRs and develop draft specifications, subject to their IPR policy meeting the criteria of DVB's Policy on normatively referenced materials.





## DVB-I Central Service List Registry (CSR) - PoC



- A DVB-I CSR will enable **fast and efficient access to the Service Lists**, which may be created by content providers, service operators, national regulators or others.
- ☐ This summer, Sofia Digital has been selected to build a skeleton DVB-I CSR
  - The first phase is a PoC, to validate the technical approach taken in the DVB-I standard
  - Under the second phase, the implementation will be made freely available for others to test their own DVB-I services and clients.

News 🖟

"Relevant services can be found among thousands"

"A CSR opens the door for existing closed platforms to a huge new variety of alternative content."



**DVB-I Reference application** 

## DVB-I for 5G (or for **any** future distribution standard)



Harmonizing broadcast TV and cellular: DVB approves commercial requirements for DVB-I over 5G 23.07.2021

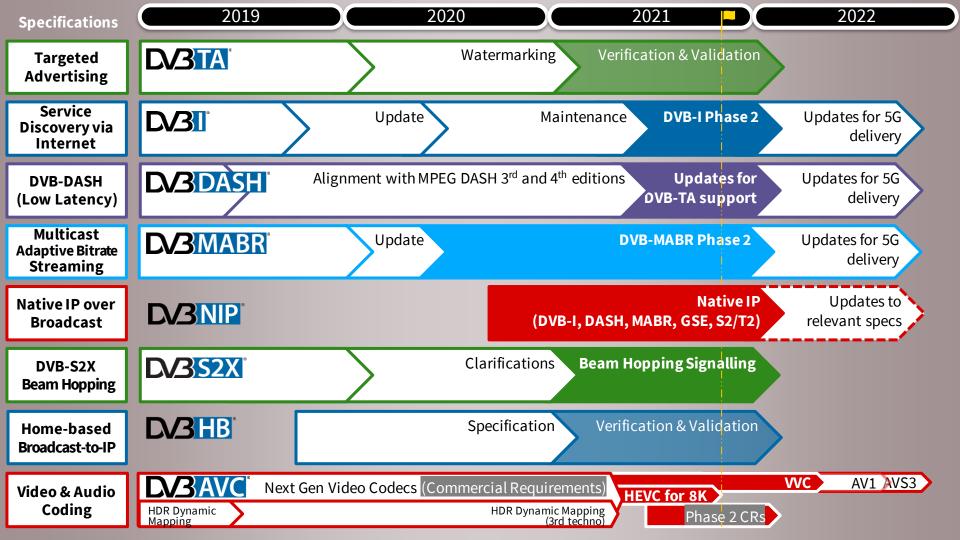
In July, Commercial Requirements (CRs) for the use of **DVB-I** as the service layer on top of **5G** were published (<u>DVB BlueBook C100</u>)

- Support Rel-16-based 5G operation modes: 5G Broadcast, unicast-based 5G Media Streaming
- Collaboration with 3GPP to monitor the work beyond Rel-16 and harmonize technologies to the extent possible
- DVB-I services over 5G will support integrated DVB-I hybrid services, whose basic broadcast distribution is augmented with unicast for extended service coverage, lower distribution costs, improved quality and additional user experiences.

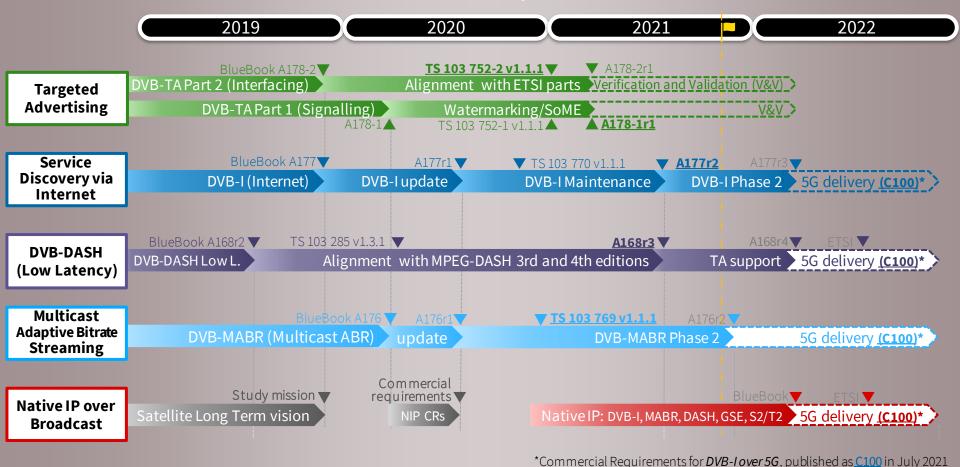




DVB-I can serve as the "service aspect" of any IP centric distribution platform, creating interfaces and APIs to distribute services over any IP network



## DVB's IP-centric specifications





**Direct links to each demo...** (More information on DVB-I at: <u>dvb-i.tv</u>)

- •TPV Technology <a href="https://youtu.be/X1p-7uP17UY?t=338">https://youtu.be/X1p-7uP17UY?t=338</a>
- •NESTED (ATEME, ENENSYS Technologies, Orange, Viaccess-Orca) <a href="https://youtu.be/X1p-7uP17UY?t=758">https://youtu.be/X1p-7uP17UY?t=758</a>
- •Kineton <a href="https://youtu.be/X1p-7uP17UY?t=1287">https://youtu.be/X1p-7uP17UY?t=1287</a>
- •ENENSYS Technologies https://youtu.be/X1p-7uP17UY?t=1666
- •Dolby https://youtu.be/X1p-7uP17UY?t=2151
- •Native IP multi-vendor demo introduction <a href="https://youtu.be/X1p-7uP17UY?t=2588">https://youtu.be/X1p-7uP17UY?t=2588</a>
- •Broadpeak https://youtu.be/X1p-7uP17UY?t=2781
- •ST Engineering iDirect https://voutu.be/X1p-7uP17UY?t=3319
- •EKT https://voutu.be/X1p-7uP17UY?t=3716
- •EasyBroadcast https://youtu.be/X1p-7uP17UY?t=4041
- •Huawei https://voutu.be/X1p-7uP17UY?t=4578
- •Qualcomm https://youtu.be/X1p-7uP17UY?t=5018
- •Eurofins Digital Testing https://youtu.be/X1p-7uP17UY?t=5540
- •DTG Testing <a href="https://youtu.be/X1p-7uP17UY?t=5966">https://youtu.be/X1p-7uP17UY?t=5966</a>
- •Wrap-up from Emily Dubs https://voutu.be/X1p-7uP17UY?t=6482



## DVB-I and Native IP to the fore at DEMOS 2021

08.10.2021

Last week's second edition of the online DVB DEMOS event provided ample evidence that DVB's new IP-centric solutions are well placed to drive the future of media delivery. Fifteen DVB Member companies showcased their latest products and services based on new or forthcoming DVB specifications, including several multi-vendor... Read More

# Thanks!



DVB is an industry-led consortium of the world's leadina media & technoloay companies desianina open technical specifications for diaital media delivery.



#### DVB's Native IP solution: Media streaming over broadcast

... A vision for the future

