

MPEG-4 Frequently Asked Questions (FAQ's)

Today we use line 21 of the video track MPEG-2 to get closed captioning. This line 21 is present only in the specs of the MPEG-2 codec and does not exist in MPEG-4. How will we broadcast closed captioning in the future when all channels have migrated from MPEG-2 to MPEG-4?

- As per Canadian Government Regulations we are obligated to pass close captioning, if it is available from the programmer, in the MPEG-4 environment whether it is an MPEG-4 HD service or MPEG-4 SD service. For SD it will be provided on Line 21 just like MPEG-2 SD.

Is there any preference in DSRs - DSR-4410MD, DSR-4440 or DSR-4460?

- Please visit our website to determine which of the above DSRs will work in the setup of your head end or contact ARRIS.

DCT HD boxes – will these have any functionality when the transition begins in April 2017, or do we have to have all our customers on DCX boxes by that date?

- DCT HD boxes will work for SD until they are transitioned to MPEG-4 or dropped in Phase 3 and only the HD version of the signal is available. However, at the end of Phase 1 in October 2017 the majority of the HD signals will no longer work with these receivers.

Is the MPEG-4 plan for Shaw to build all transponders to 8PSK--2/3 @ 20.5 Msym/s, including the HD multiplexes?

The plan is to have all transponders on F1R and F2 run 8PSK--2/3 @ 20.5 Msps.

A DSR 4400MD can only decode MPEG-2, but it can decrypt a whole multiplex to ASI independently of the video codec. We are trying to decrypt the signal to ASI only (not decoding on the analog output). The spec sheet for the DSR 4400MD confirms this should work?

- In this particular case the DSR 4400MD will not work because we are in the 8PSK modulation environment when we migrate to MPEG-4. The DSR 4400MD could decrypt the MPEG-4 services but because of the Modulation (8PSK) it won't work.