Transport stream layer defined in MPEG-2 TS is used also for transport stream also for newer audio video codecs e.g. MPEG-4, HEVC, VC1 etc.

This is why MPEG transport stream is not marked as MPEG-2 TS, even it is technically correct.

In real life people used to ask whether MPEG-2 TS based system can process MPEG-4 streams.

ISO 13818

MPEG (-2) TS Part-1

MPEG-2 Video Part-2

MPEG-2 Audio Part-3

V

) TS

HEVC Video

AAC Audio

V

) TS

MPEG-4 Video Part-2

MPEG-4 Audio Part-3

V

) TS