

SMPTE ROADMAP

Ultra High Definition Television



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Document Roadmap –

SMPTE ST 2036 Ultra High Definition Television suite of documents is in multiple parts.

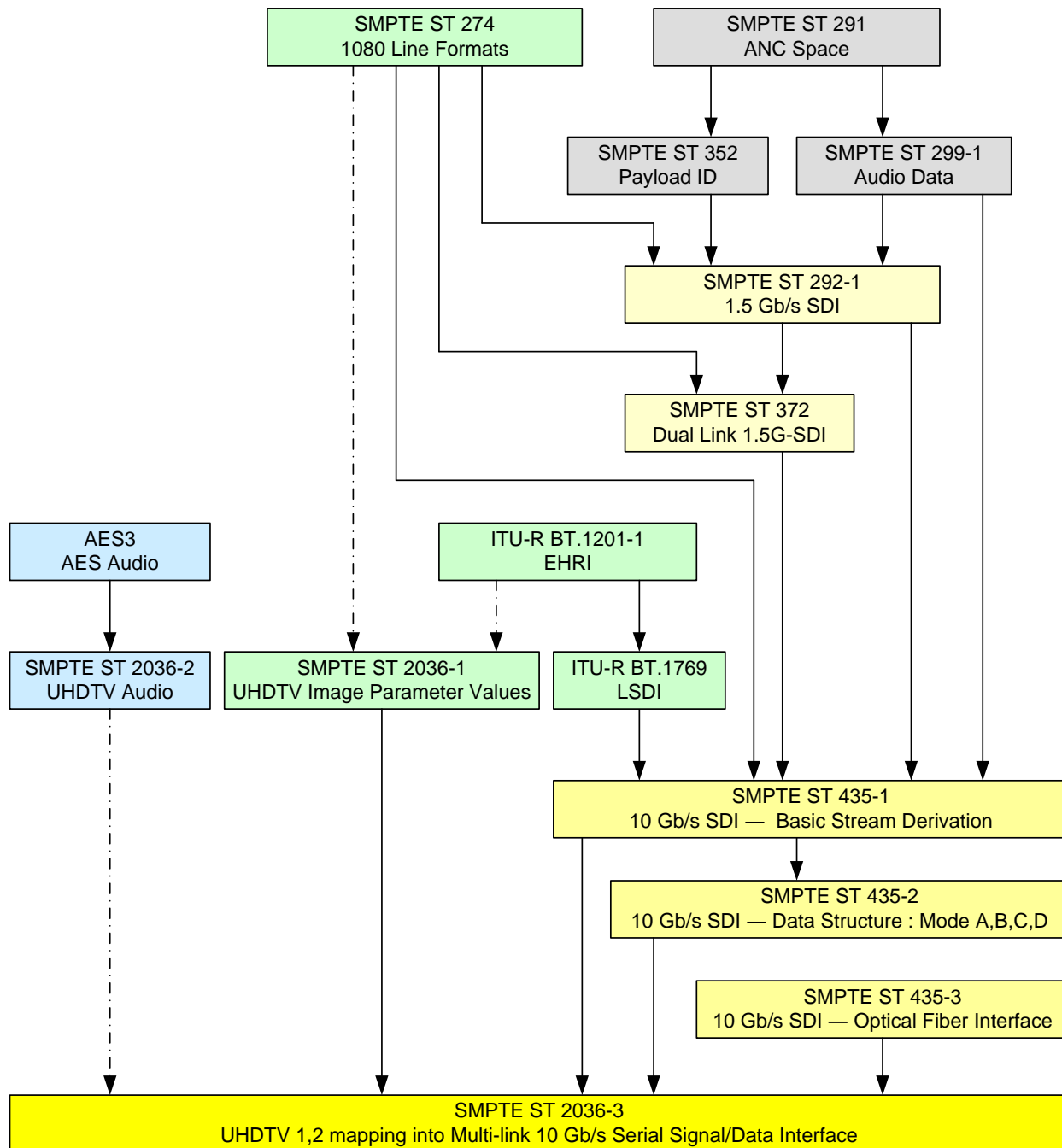
SMPTE ST 2036-1 defines a family of progressive image sample structures for the representation of stationary or moving two-dimensional images sampled temporally at a constant frame rate and having an image format (sample structure) of 3840 x 2160 (UHDTV1) or 7680 x 4320 (UHDTV2) which has a hierarchical relationship with 1920 x 1080 and an aspect ratio of 16:9.

SMPTE ST 2036-2 specifies the characteristics of digital audio for UHDTV program production and distribution. This document also defines the mapping and labeling of 22.2 multichannel audio for UHDTV program production.

SMPTE ST 2036-3 defines UHDTV1 and UHDTV2 image mapping into a Single-link or a Multi-link 10 Gb/s Serial Signal/Data Interface (10G-SDI) Mode D defined in SMPTE ST 435-2. This interface has a maximum frame rate capability of 60 Hz.

Work is underway to define an interface(s) to permit 120-Hz frame rate operation.

This roadmap shows the relation between the SMPTE 2036 series of standards and the current SMPTE/ITU-R image/interface standards.



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