

# SMPTE ROADMAP

## SMPTE Bit-Serial Interfaces at 1.5 Gb/s – Roadmap for the 292 Document Suite



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### Document Roadmap

The SMPTE 292 suite of documents defines the mapping of various source image formats onto serial digital interfaces operating at a nominal rate of 1.5 Gb/s. This informative “roadmap” describes the documents in the 292 suite.

#### 1 SMPTE ST 292-1

SMPTE ST 292-1 defines a bit-serial data structure and the coaxial cable interface specifications for 1.5 Gb/s [nominal] Signal/Data Serial Interface to carry either 1280×720, 1920×1080 or 2048×1080 active pixel formats mapped into the 1.5 Gb/s payload. This standard defines the method of serializing the parallel source format data to a serial bit stream. This interface may also carry packetized data mapped into the 1.5 Gb/s transport payload providing the constraints imposed by the reference source image formats are observed.

This standard specifies a coaxial cable interface suitable for application where the signal loss does not exceed an amount specified by the receiver manufacturer, typical loss amounts would be in the range of up to 20 dB at one-half the clock frequency.

### 1.1 SMPTE ST 292-1 Document Road Map

