

Checklist for standard PSIP Requirements (U.S.A)
Revision A, November 2007

System Time set within +/- one second. [STT]

- o STT: system_time
- o STT: GPS_UTC_offset
- o STT: daylight_savings

Major Channel Number same as NTSC Channel number. [TVCT: major_channel_number]

TSID for your DTV station and channels correct.

- o PAT: transport_stream_id
- o xVCT: transport_stream_id
- o xVCT: channel_TSID

TSID for NTSC present and correct<if NTSC station announced>. [xVCT: channel_TSID]

TSID for other stations correct<if other stations announced>. [xVCT: channel_TSID]

TSID List is at <http://www.mstv.org/docs/tsidupdate.pdf>

Four EITs present and correct (at least)

- o The tables_defined field in the MGT must be 3 + highest numbered EIT.
- o The table_type fields must have the entries: 0x100 through 0x103 (at least)
- o EIT0,1, 2, 3: for each VC in the xVCT source_id = source_id in xVCT
- o for an event, if captioning present, caption_service_descriptor() present
- o for an event, if content advisory exists, content_advisory_descriptor() present
- o for an event, if audio present, AC-3_audio_stream_descriptor() present (March 2008)
 - o Audio Language announcement for future programs done in here
- o for each event, if broadcast flag asserted, rc_descriptor() present
- o for each event, the actual program title - like the one published in the paper

Channel information complete and accurate [xVCT]

- o xVCT: short_name has seven user selected characters identifying each channel
- o xVCT: program_number matches program_number in PMT (and all the PMTs present in the PAT)
- o xVCT: service_location_descriptor() entries match entries in PMT
- o xVCT: service_type equals 0x02 for MPEG-2 video with or without AC-3 audio

PSIP Options/Other

Multiple audios: If two or more audios in the same language for a program, must have a component_name_descriptor() and AC-3_audio_stream_descriptor() for each in the PMT

Cable VCT (CVCT) provides information for cable carriage. For example, send the most used channel number used in your cable carriage in the CVTC fields major_channel_number and minor_channel_number. (It can be the three digit number or a two part number.)

Use of ISO_language descriptor in EITs and PMT (strongly recommended)

Unique identification number for a program: [EIT; content_identifier_descriptor()]

Long names for Channel: [xVCT: extended_channel_name_descriptor()]

Text information about a program: [ETT]

Program Genre type or category information for events: [EIT: genre_descriptor()]

Notes: xVCT means the item applies to either TCVT or CVCT.