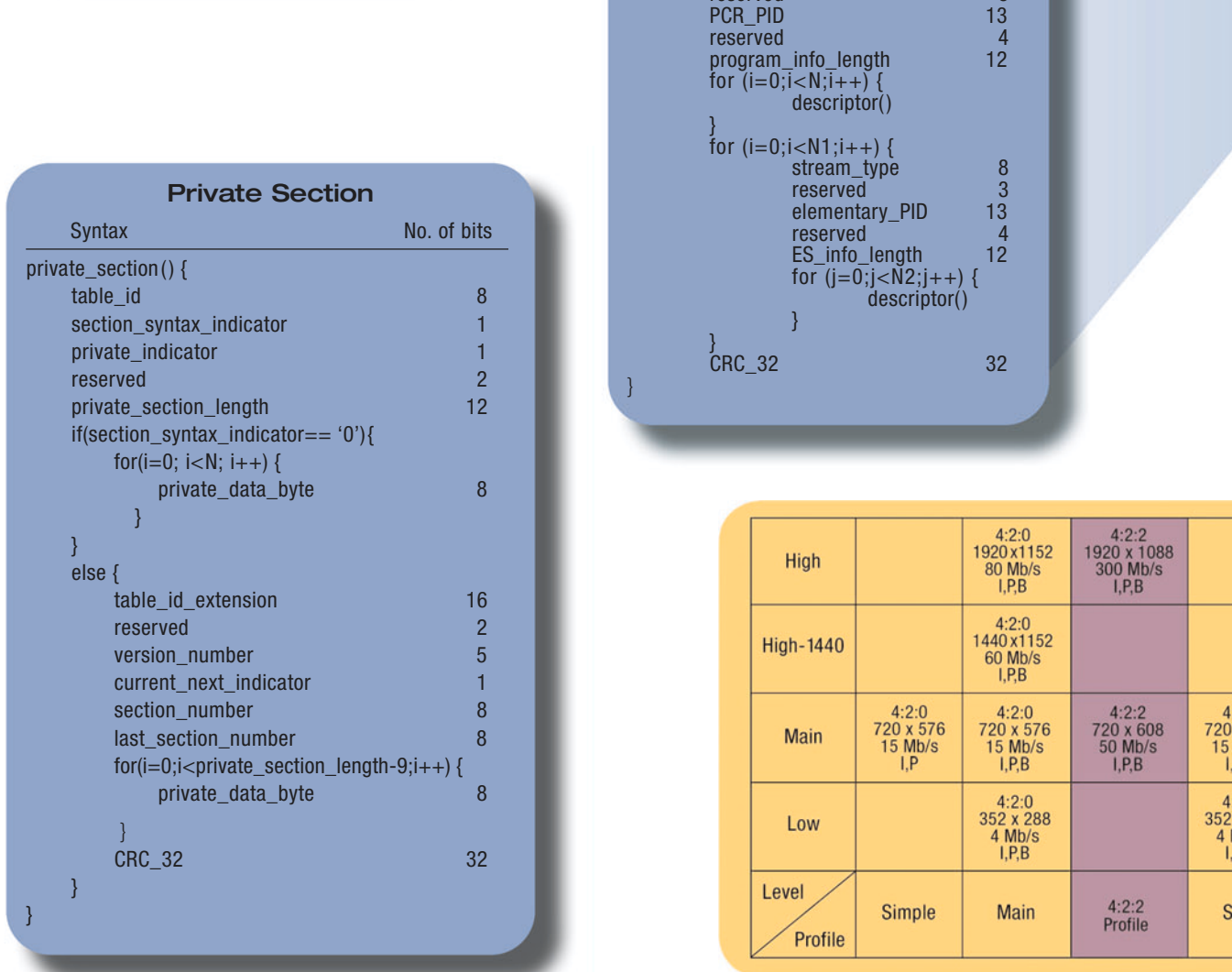
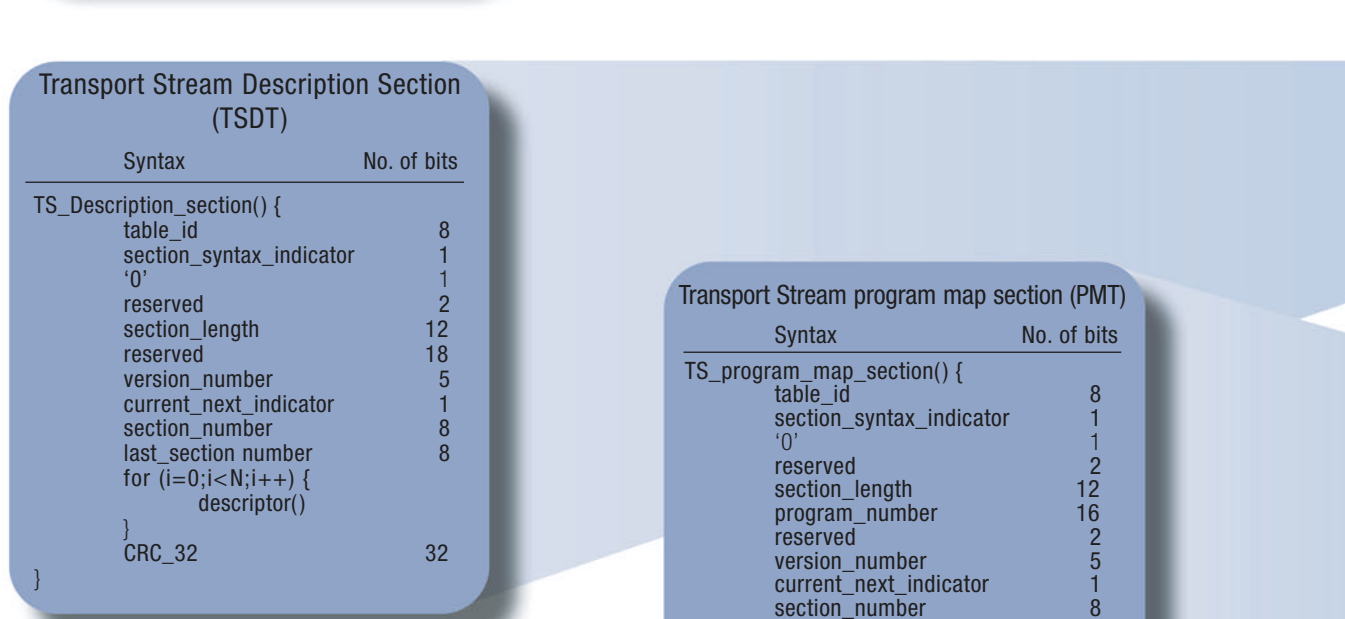
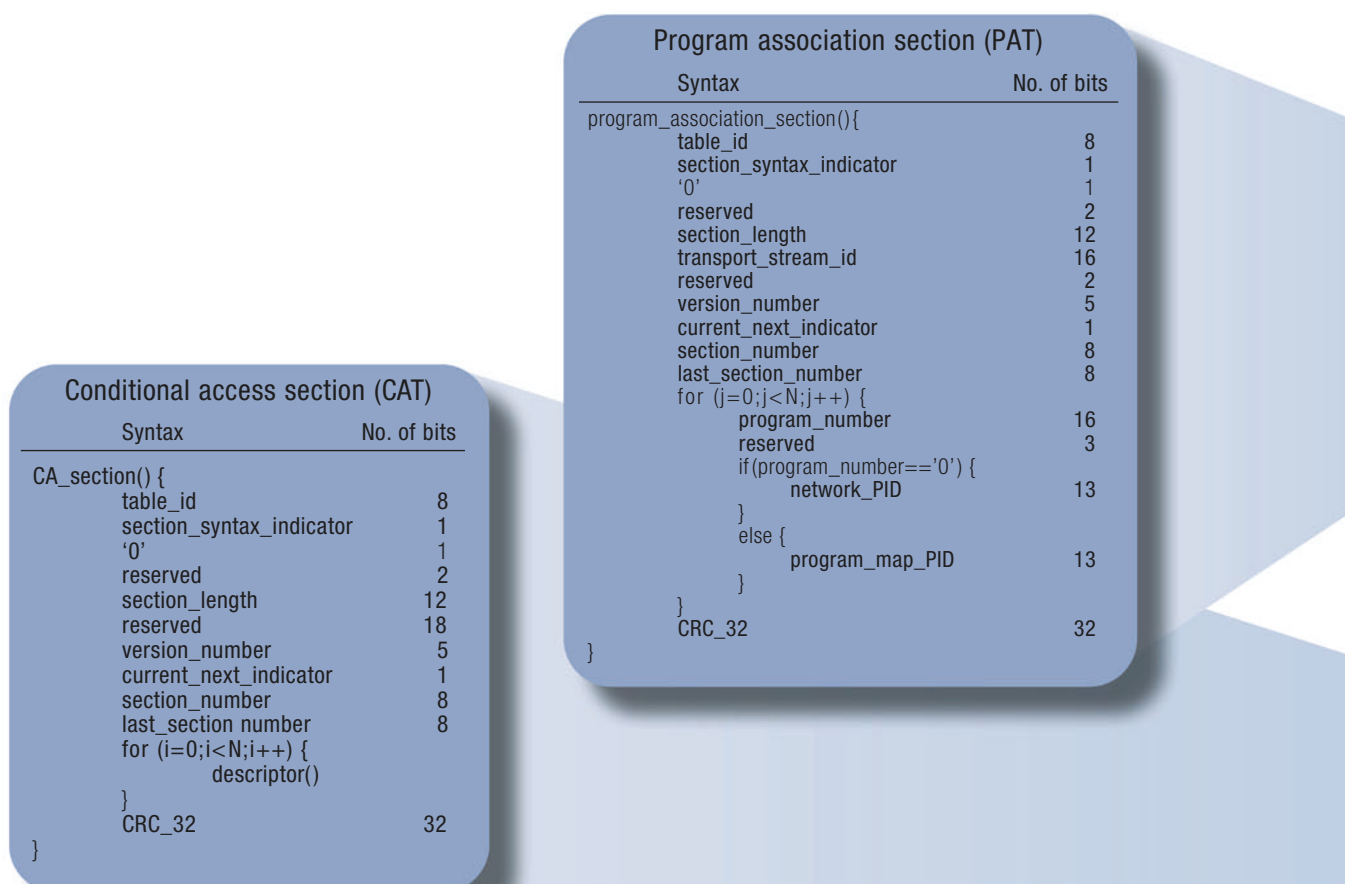
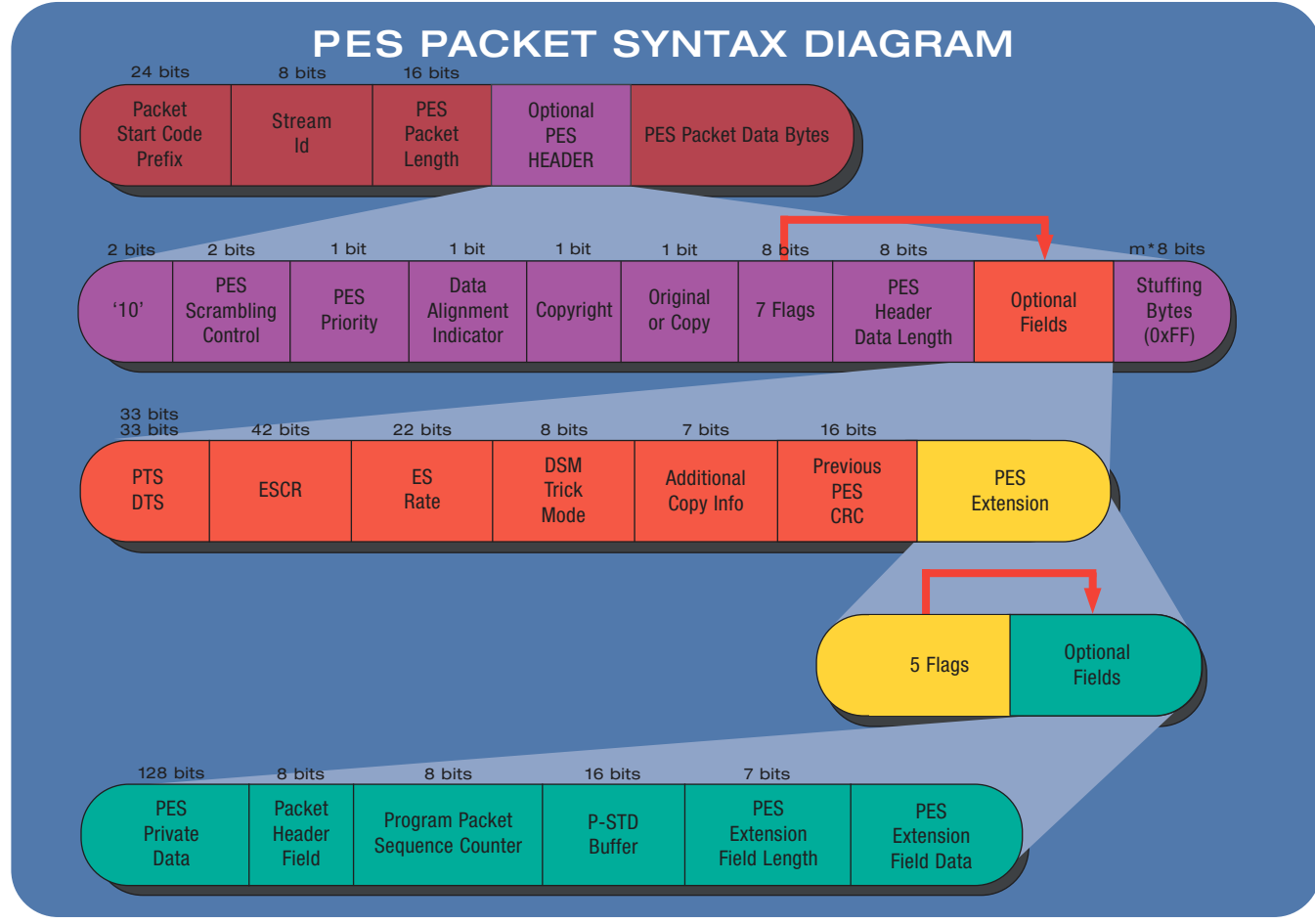
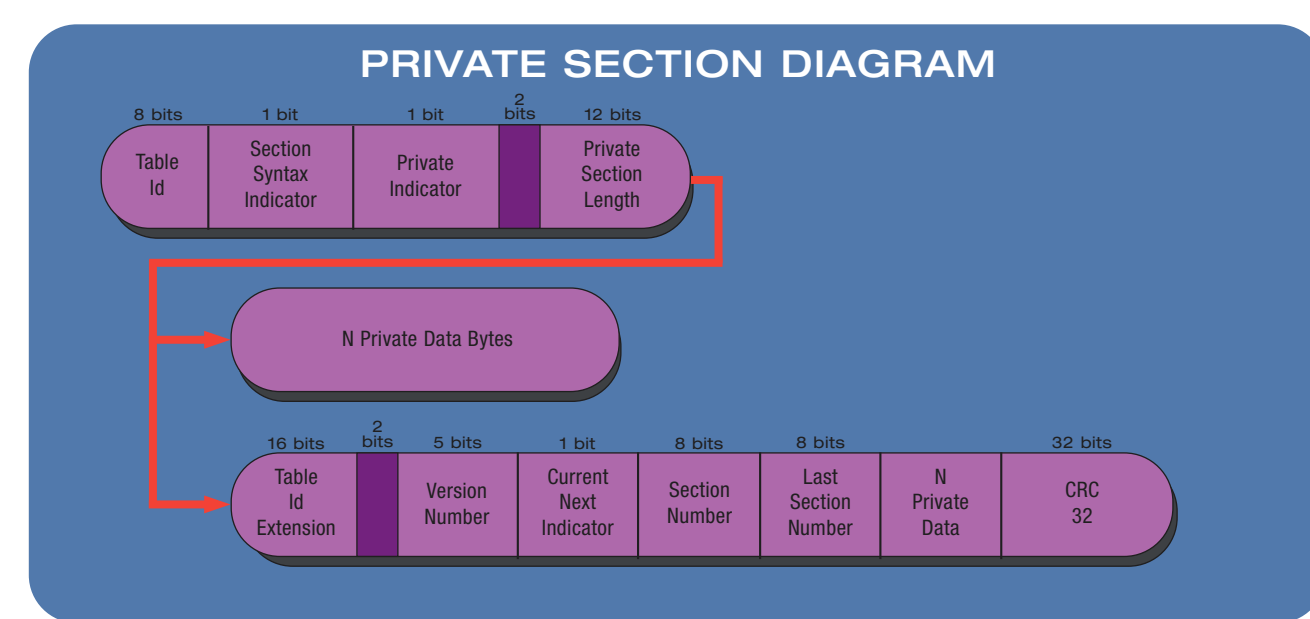
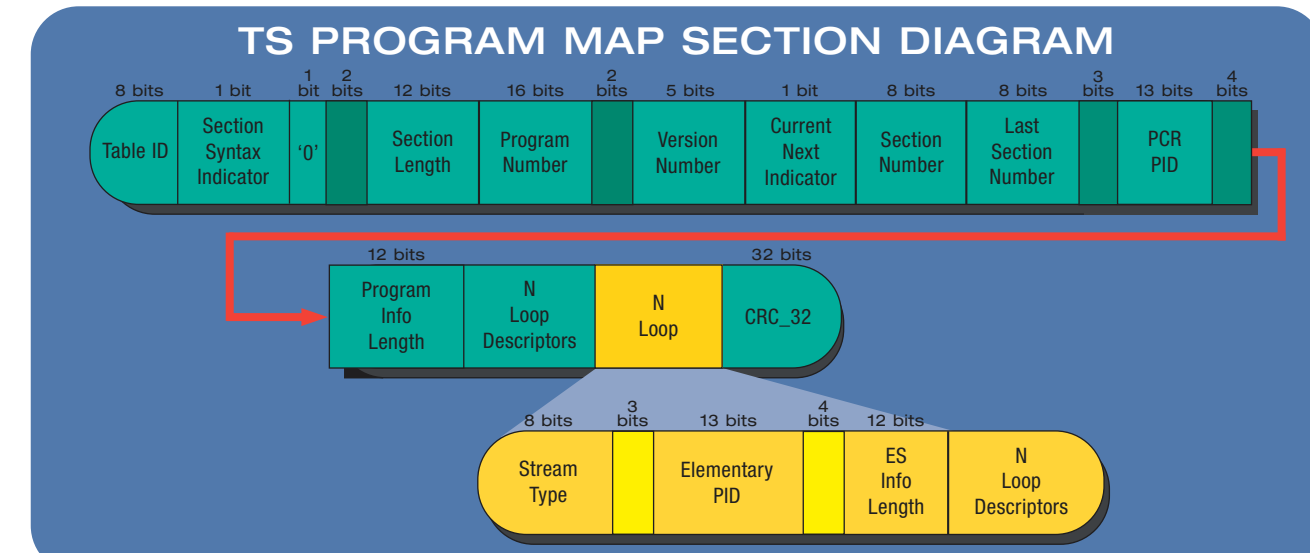
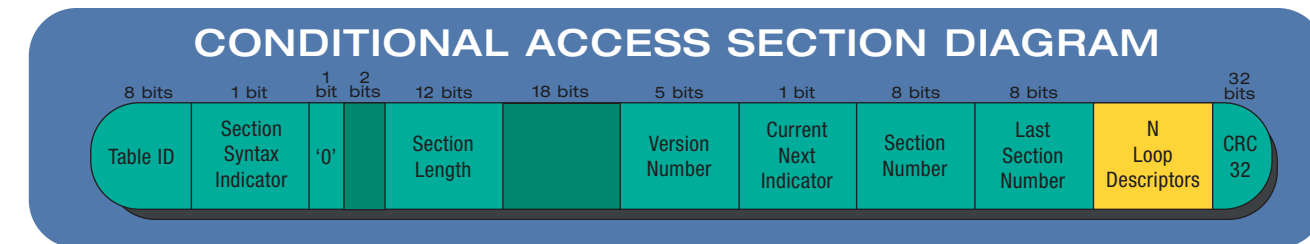
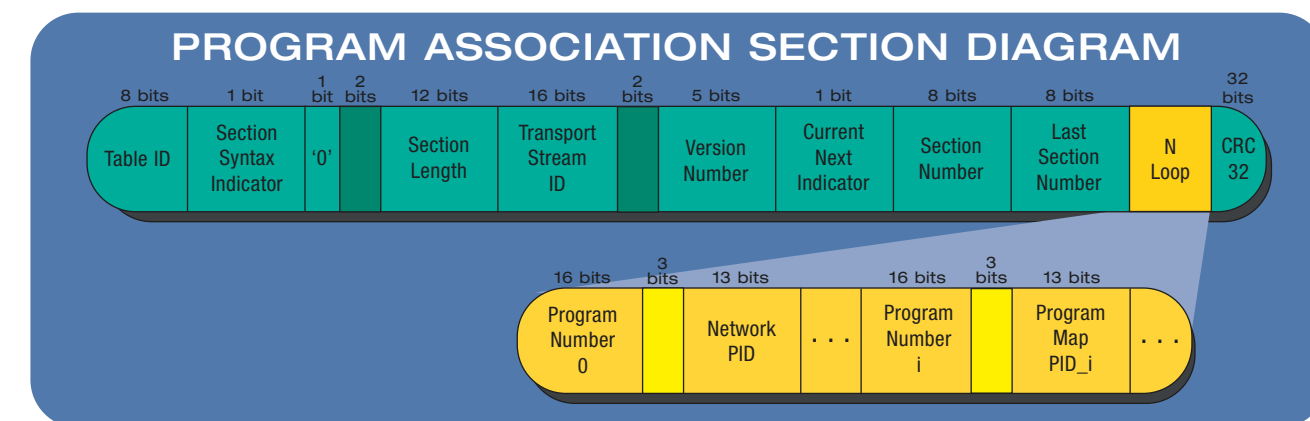
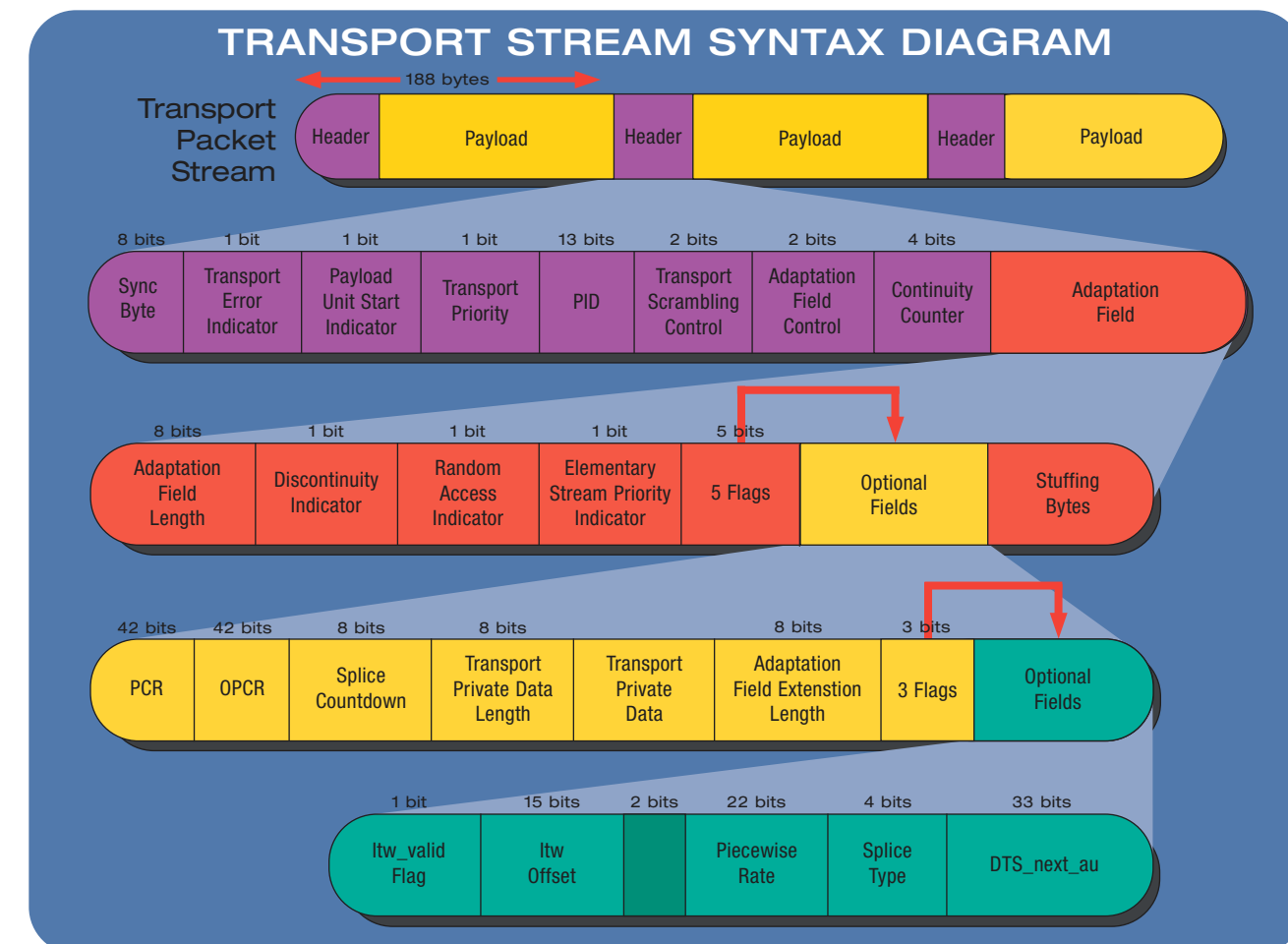
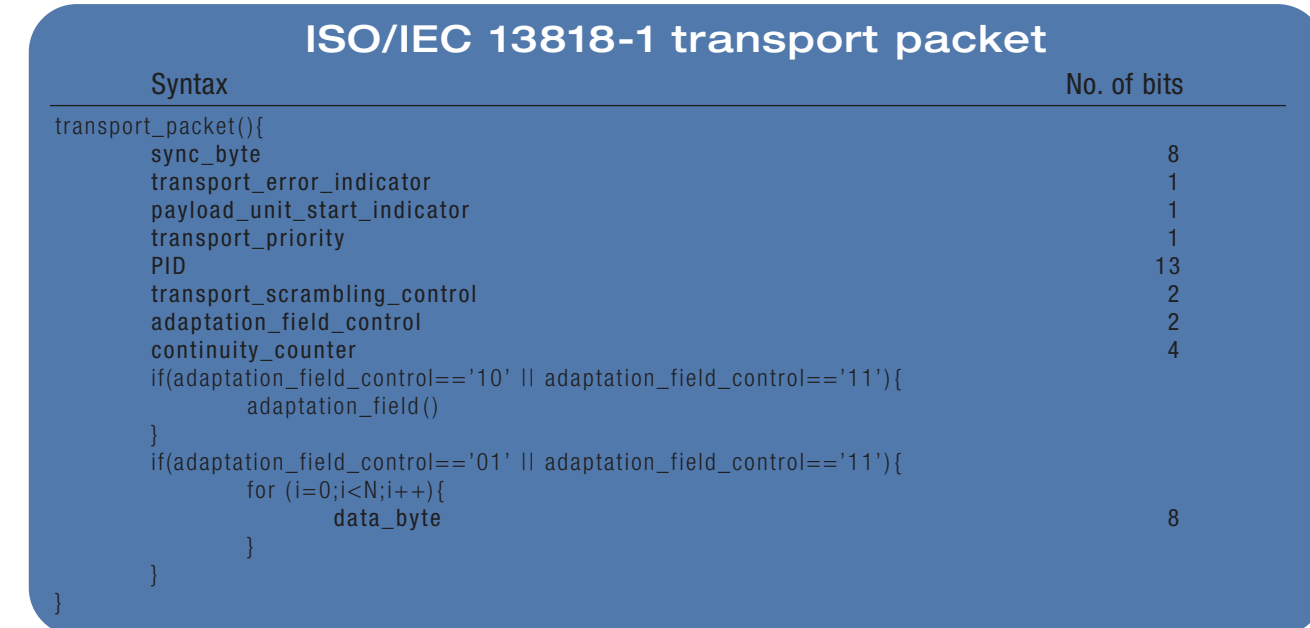


MPEG-2 Transport Stream

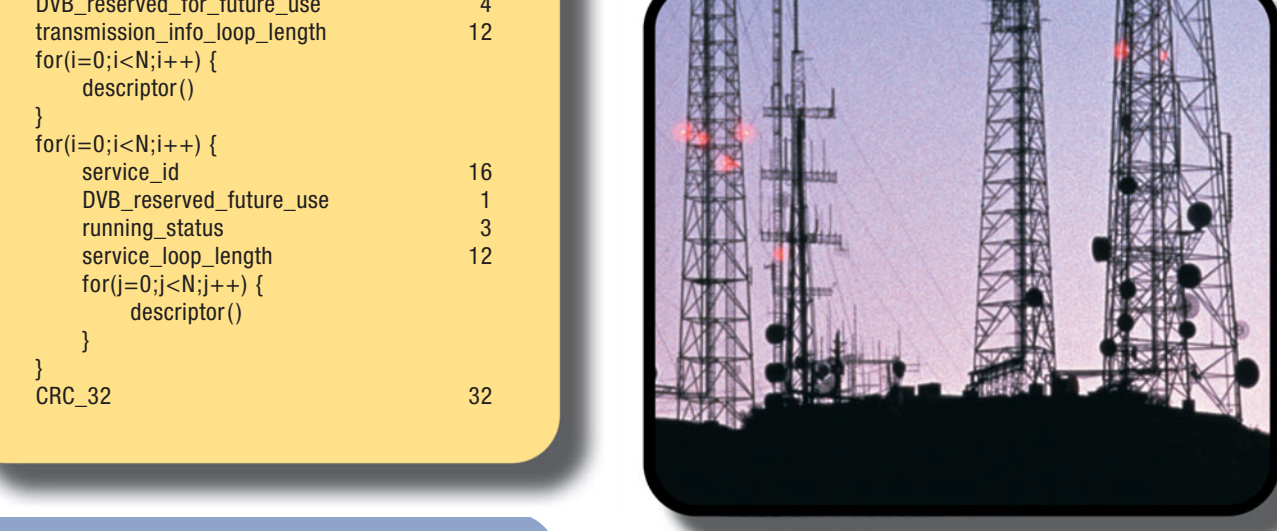
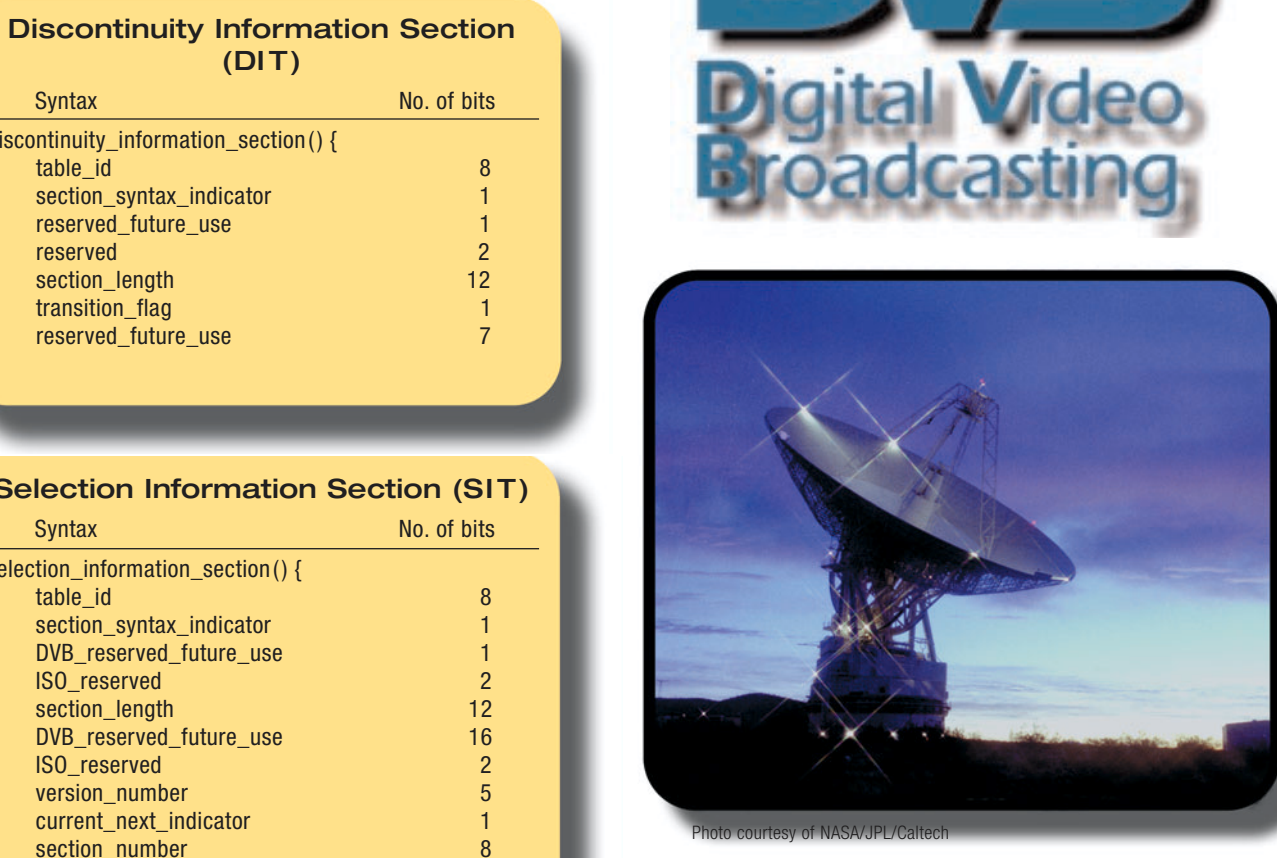
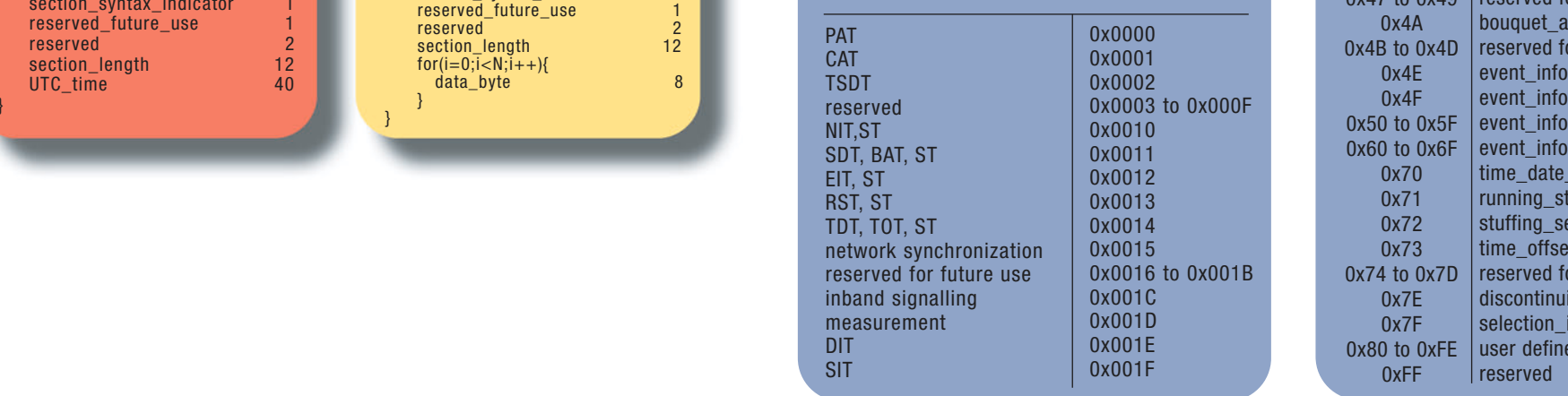
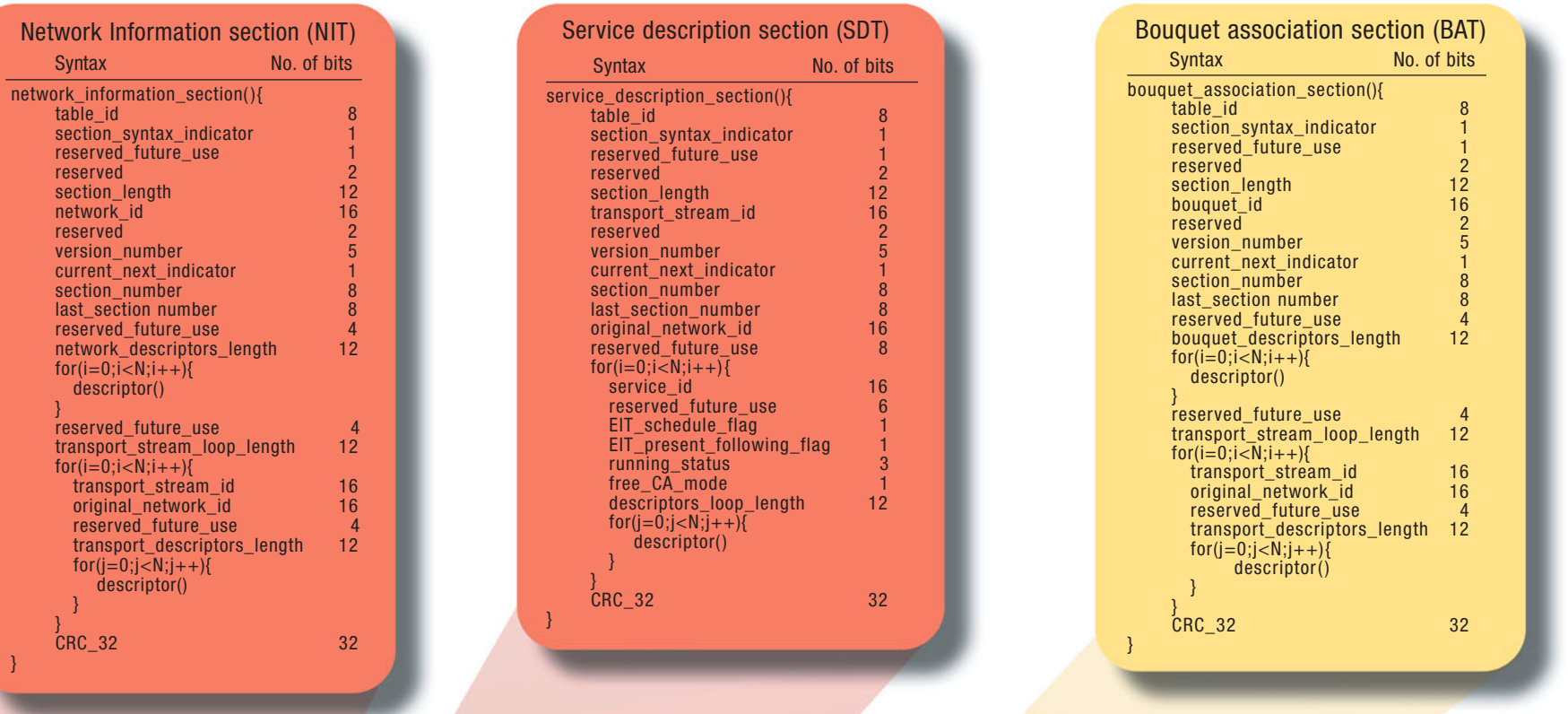
ISO/IEC 13818-1 International Standard



Profile	Simple	Main	4:2:2 Profile	SNR	Spatial	High
High	1920 x 1152 60 Mbps LPB	1920 x 1088 300 Mbps LPB	4:2:0 1440 x 1152 60 Mbps LPB	4:2:2 720 x 576 50 Mbps LPB	4:2:0 1440 x 1152 80 Mbps LPB	4:2:0, 4:2:2 1920 x 1152 100 Mbps LPB
High-1440	4:2:0 720 x 576 15 Mbps LP	4:2:2 720 x 576 50 Mbps LPB	4:2:0 720 x 576 15 Mbps LPB	4:2:0, 4:2:2 720 x 576 20 Mbps LPB	4:2:0 720 x 576 15 Mbps LPB	4:2:0, 4:2:2 720 x 576 20 Mbps LPB
Main	4:2:0 352 x 288 4 Mbps LPB	4:2:2 352 x 288 4 Mbps LPB	4:2:0 352 x 288 4 Mbps LPB	4:2:0, 4:2:2 352 x 288 4 Mbps LPB	4:2:0 352 x 288 4 Mbps LPB	4:2:0, 4:2:2 352 x 288 4 Mbps LPB
Low	4:2:0 352 x 288 4 Mbps LPB	4:2:2 352 x 288 4 Mbps LPB	4:2:0 352 x 288 4 Mbps LPB	4:2:0, 4:2:2 352 x 288 4 Mbps LPB	4:2:0 352 x 288 4 Mbps LPB	4:2:0, 4:2:2 352 x 288 4 Mbps LPB

Service Information (SI) in DVB Systems

ETSI EN 300 468 International Standard



ETSI TR 101 290 - Table Timing Intervals

Table Type	PID	Max/Min
PAT	0x00	500 ms
TSDT	0x02	10000 ms [1]
NIT actual	0x10	10000 / 25 ms
NIT other	0x10	10000 / 25 ms
SDT actual	0x11	2000 / 25 ms
SDT other	0x11	10000 / 25 ms
BAT	0x11	10000 / 25 ms
EIT actual present-following	0x12	2000 / 25 ms [2]
EIT other present-following	0x12	10000 / 25 ms [2]
TOT	0x14	30000 / 25 ms
TDT	0x14	30000 / 25 ms
PMT	ALL	500 ms

[1] ETSI TR 101 211, TSDT interval defined in section 4.1.9
[2] ETSI TR 101 211, Additional EIT Actual/Other Schedule intervals defined for:
-DVB Satellite/Cable in section 4.4.1
-DVB Terrestrial in section 4.4.2

Stream Type Assignments

Value	Description
0x00	ITU-T ISO/IEC reserved
0x01	ISO/IEC 11172-2 Video
0x02	ITU-T Rec. H.262 ISO/IEC 13818-2 Video or ISO/IEC 11172-2 constrained parameter video stream
0x03	ISO/IEC 11172-3 Audio
0x04	ISO/IEC 13818-3 Audio
0x05	ITU-T Rec. H.222.0 ISO/IEC 13818-1 private_sections containing private data
0x06	ISO/IEC 13522 MHEG
0x07	Annex A - DSM CC
0x08	ITU-T Rec. H.222.1
0x0A	ISO/IEC 13818-6 type A
0x0B	ISO/IEC 13818-6 type B
0x0C	ISO/IEC 13818-6 type C
0x0D	ISO/IEC 13818-6 type D
0x0E	ISO/IEC 13818-1 auxiliary
0x0F - 0x7F	ITU-T Rec. H.222.0 ISO/IEC 13818-1 reserved
0x80 - 0xFF	User private

Allocation of table_id Values

Value	Description
0x00	program_association_section
0x01	conditional_access_section
0x02	program_map_section
0x03	transport_stream_description_section
0x04 to 0x3F	reserved
0x40	network_information_section - actual_network
0x41	network_information_section - other_network
0x42	service_description_section - actual_transport_stream
0x43 to 0x45	reserved for future use
0x46	service_description_section - other_transport_stream
0x47 to 0x49	reserved for future use
0x4A	bouquet_association_section
0x4B to 0x4D	reserved for future use
0x4E	event_information_section - actual_transport_stream, present/following
0x4F	event_information_section - other_transport_stream, present/following
0x50 to 0x5F	reserved for future use
0x60 to 0x6F	event_information_section - actual_transport_stream, schedule
0x70	time_date_section
0x71	running_status_section
0x72	stuffing_section
0x73	time_offset_section
0x74 to 0x7D	reserved for future use
0x7E	discontinuity_information_section
0x7F	selection_information_section
0x80 to 0xFE	user defined
0xFF	reserved



Abbreviations

AC-3	Dolby AC-3 audio coding
ITU-R	ITU-R Recommendation BS1196 [19]
BAT	Bouquet Association Table
BCD	Binary Coded Decimal
bsbf	bit string, left bit first
CA	Conditional Access
CAT	Conditional Access Table
CLUT	Color Look-Up Table
CRC	Cyclic Redundancy Check
DAB	Digital Audio Broadcasting
DIT	Discontinuity Information Table
DVB	Digital Video Broadcasting
DVD	Digital Versatile Disc
EBU	European Broadcasting Union
EIT	Event Information Table
EMM	Entitlement Management Message
EPG	Electronic Program Guide
ETS	European Telecommunication Standard
FEC	Forward Error Correction
IEC	International Electrotechnical Commission
IRD	Integrated Receiver Decoder
ISO	International Organization for Standardization
LSB	Least Significant Bit
MJD	Modified Julian Date
MPEG	Moving Pictures Expert Group
NIT	Network Information Table
NVOD	Near Video On Demand
PAT	Program Association Table
PDC	Program Delivery Control
PID	Packet Identifier
PSI	Program Specific Information
PSN	Public Switched Telephone Network
QAM	Quadrature Amplitude Modulation
QPSK	Quaternary Phase Shift Keying
rpcoef	remainder polynomial coefficients, highest order first
RS	Reed-Solomon
RST	Running Status Table
SEF	Scale Factor
SDT	Service Description Table
SI	Service Information
SIT	Selection Information Table
STI	Storage Media Interoperability
ST	Stuffing Table
TOT	Time and Date Table
TOT	Time Offset Table
TPS	Transmission Parameter Signaling
TS	Transport Stream
unsub	unsigned integer most significant bit first
UTC	Universal Time, Co-ordinated
VBI	Vertical Blanking Interval
VPS	Video Program System
WSS	Wide Screen Signaling