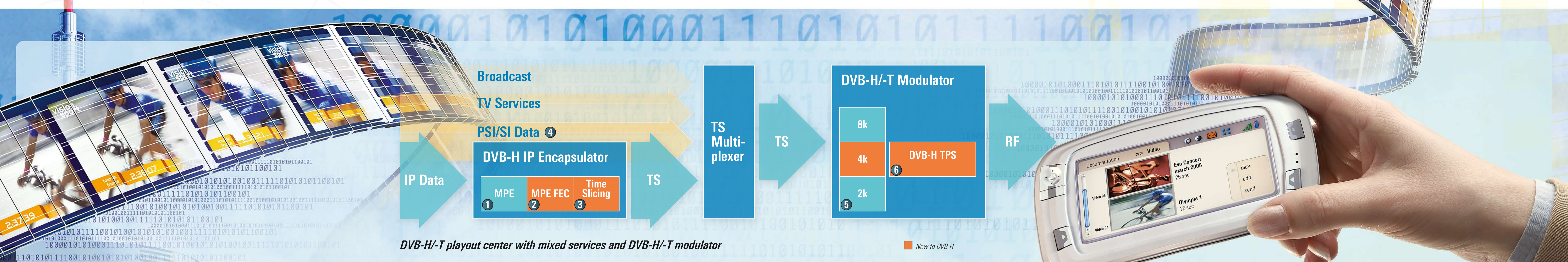
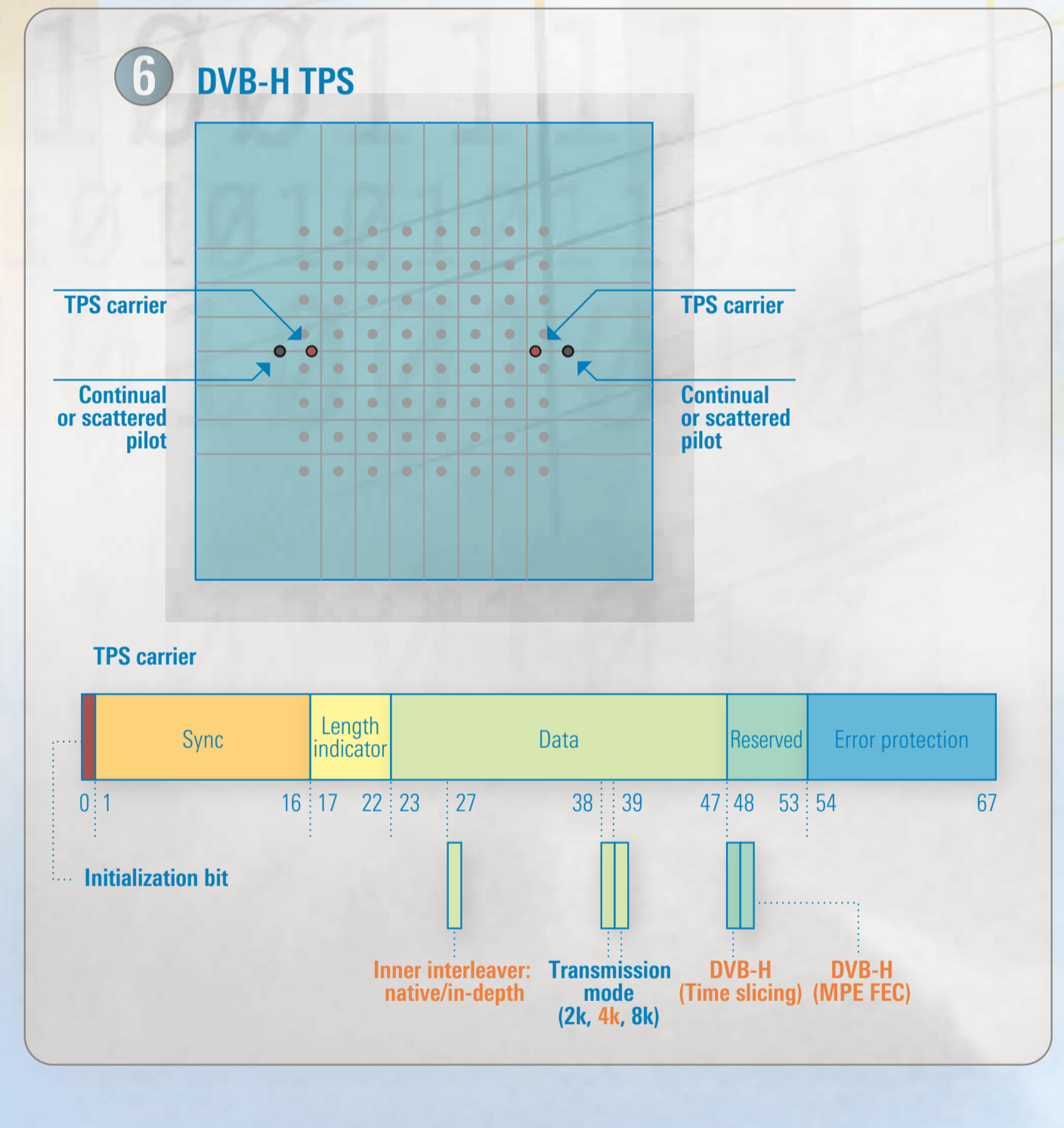
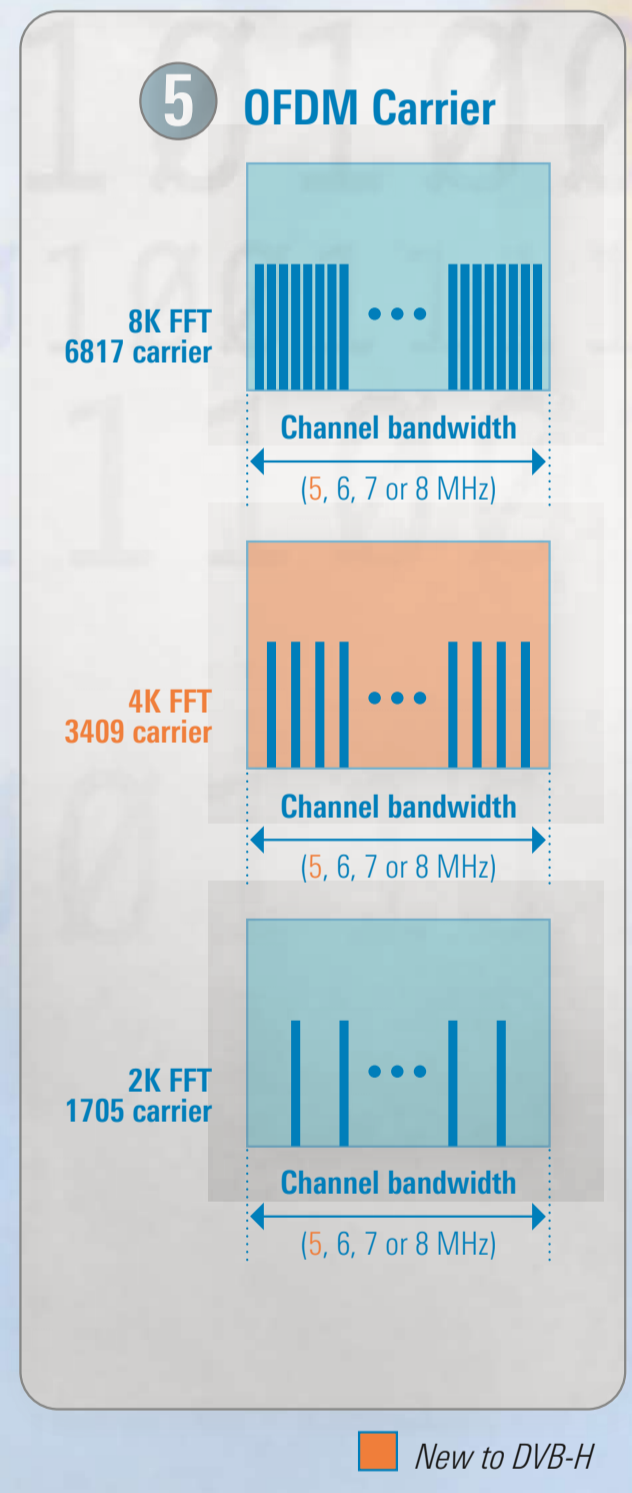
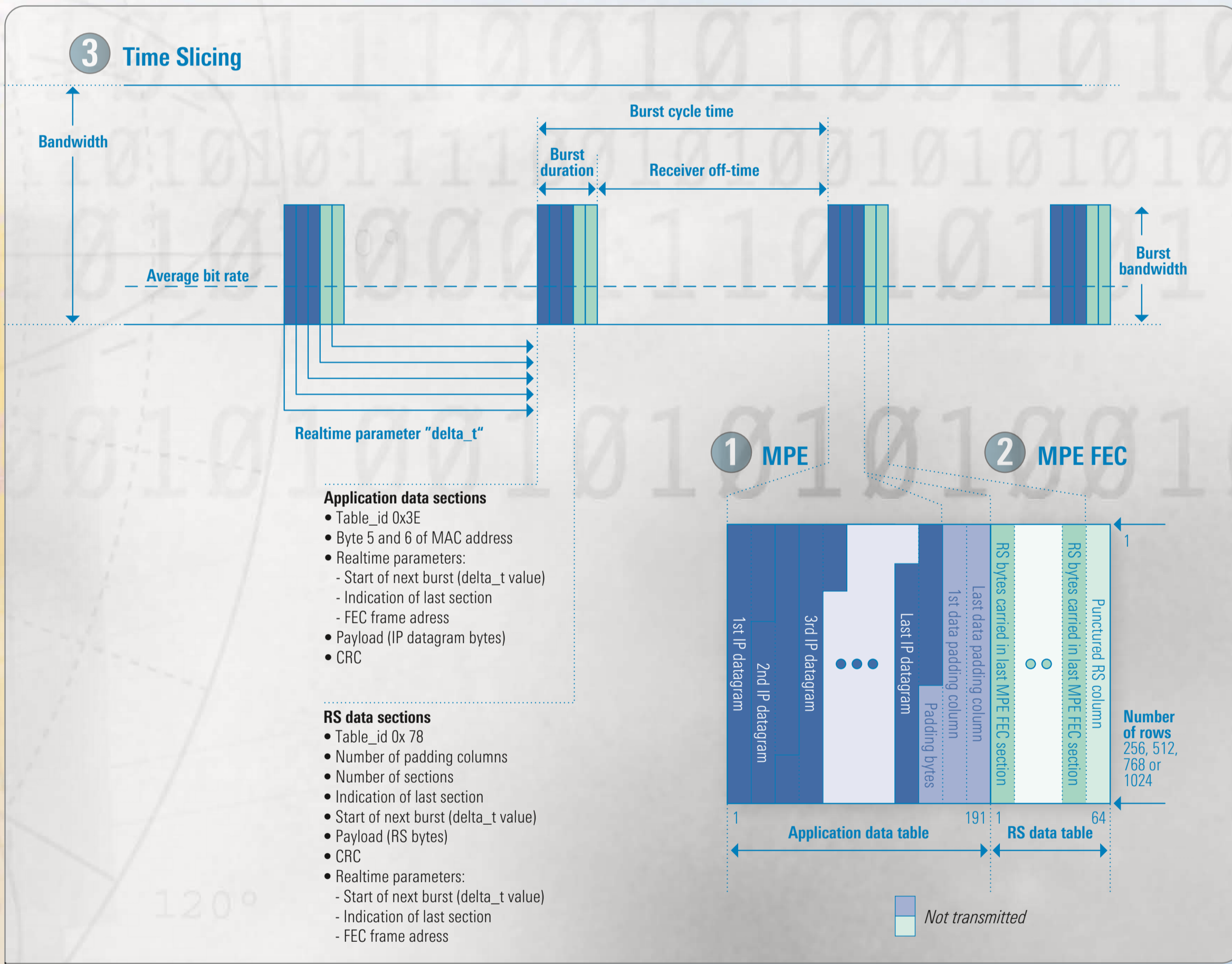


DVB-H: Technical Characteristics



- ### 4 DVB-H signaling in PSI/SI data
- Terrestrial delivery descriptor in NIT**
- Indication DVB-H
- Time slicing and FEC descriptor in NIT and INT**
- Indication of use of time slicing
 - Indication of use of MPE FEC
 - Number of MPE FEC frame rows
 - Maximum burst duration
 - Maximum average bit rate
- Data broadcast descriptor in SDT and EIT**
- Linked to PMT via component tag
 - MAC address range
 - MAC IP mapping flag
 - Maximum number of sections per datagram
- PID reference in PMT**
- Stream type 0x 90
 - Linked to SDT and EIT via component tag
- INT IP/MAC notification table**
- Referenced in PMT via data broadcast ID descriptor
 - Referenced in NIT via linkage descriptor
- Platform information**
- Platform name
 - Platform provider
 - DVB-H stream location in network and stream
- Target description**
- Addressing (IP4/IP6, MAC, Smart card)
 - Indication of use of time slicing
- Operational description**
- Use of alternative media
 - Telephone number for return channel
 - DVB-H stream location in network and stream



Abbreviations

CRC = Cyclic redundancy check Technique for detecting data transmission errors
 FEC = Forward error correction Algorithm to correct transmission errors on the receiving end
 INT = IP/MAC notification table Signaling of IP/MAC stream in a DVB transport stream
 IP = Internet protocol Specification of packet format and address scheme (datagram)
 MAC = Media access control Address to identify the receiver hardware DVB-H: use only byte 5 and 6
 MPE = Multiprotocol encapsulation Methods to encapsulate IP datagram streams onto TS
 PSI/SI = Program specific information Data required by the receiver to demultiplex and decode the various programs in the TS (e.g. NIT, INT, PAT, PMT, SDT, EIT)
 NIT = Network information table Information about network characteristics
 RS = Reed-Solomon code for FEC
 TS = Transport stream
 TPS = Transmission parameter signaling Signaling of parameters related to the transmission scheme (e.g. to channel, coding and modulation)

References

ETSI EN 301 192 DVB Specification for Data Broadcasting
 TR XXX XXX not defined yet
 EN 300 468 DVB-SI
 EN 300 744 DVB-T Annex F, G
 EN 301 192 Data Broadcasting Time Slicing, MPE FEC
 EN 302 394 DVB-H System Specification Normative
 TS 101 191 SFN Megagrams
 TR 102 401 DVB-H Validation Task Force Final Report

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