

JPEG 2000 Video RTP Format

Changes and Updates v06

SONY

Overview

- Comments from IETF60
- Action taken
- Details
- Header format changes
- Current status

Comments from IETF60

- Need IPR statement
 - IPR IPR IPR
- Non-intelligent packetization necessary?
- MIME Typing
- SDP

Action Taken

- IPR Statement: done
 - Patent Application number: P2003-209839A(JP), US20030091054
 - Draft split
- Non-intelligent mode branch: removed
 - Generalized packetization scheme
- MIME Typing & SDP: enhanced
 - More start of session parameters

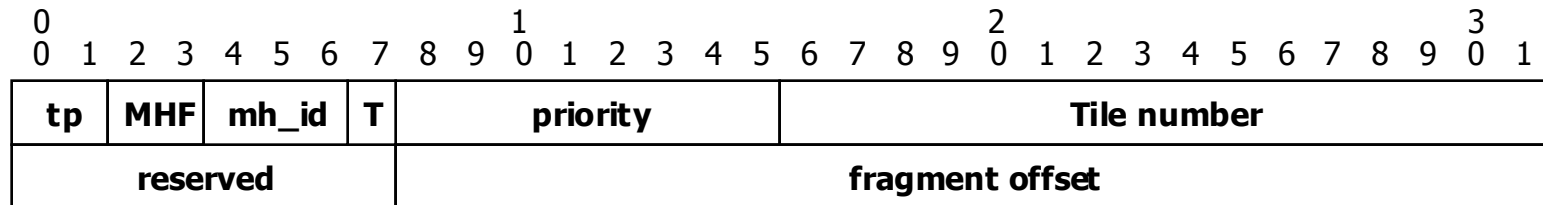
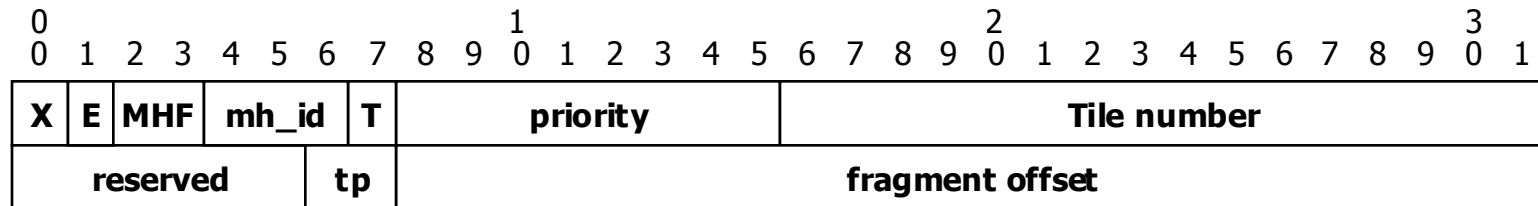
Details

- IPR draft split
 - IPR Free
 - IPR Enhancements
- Non-intelligent mode branch removed:
 - Generalized packetization scheme
 - Make better use of payload header
 - i.e. all nodes MUST MHF, mh_id, T, and Tile Number fields
- MHF field values fully utilized

Details (cont)

- MIME Types & SDP Parameters
 - Required parameters:
 - Color-space: RGB, YUV (422,420,444,etc.)
 - Scan-modes: progressive, interlace
 - Optional Parameters
 - Priority mapping: jp2-packet, progression, layer, resolution, component
 - Max-width, max-height

Payload Header Changes



Current Status

- Technically better
- Draft cleaner
- Split into 2 drafts
 - IPR free (base)
 - IPR included (enhanced)
- Interest from other parties
 - JPWL tools & JPSEC enhancements