What's new in EDID 1.4?

- Week & Year of Manufacturer or Model year
  - For EDID 1.3:
    - Week of Manufacture was optional
    - Year of Manufacture was required, but not stated in standard
  - For EDID 1.4:
    - Week of Manufacture remains optional
    - Year of Manufacture is required
      - May be defined as Year of Manufacture or Model Year
    - Stored Value = (Year of Manufacture {or Model year} - 1990)

Address	2 Bytes	Value	Description
10h	1	00h	Week of Manufacture is not specified
		01h - 36h	Week of Manufacture is specified (range is 1 -> 54 weeks)
		FFh	Model Year Flag ---Model Year is specified at address 11h
11h	1	10h - FFh	If Byte **10h** = FFh then Byte **11h** contains Model Year
		10h -> FFh	If Byte **10h** ≠ FFh then Byte **11h** contains Year of Manufacture

What's new in EDID 1.4? (continued)

- Video Input Definition
  - Video Input Definition expanded to include
    - Color Bit Depth Definition (Optional)
    - Digital Video Interface Standard Supported (optional)
      - e.g. DVI, HDMI, MDDI, DisplayPort
- H & V Screen Size and Aspect Ratio
  - H & V Screen Size can be defined as Aspect Ratio (add 15h, 16h)
    - Landscape vs. Portrait Orientation
- Feature Support Byte
  - Feature Support Byte (18h, Bits 4,3) may define
    - Display Color Type (analog inputs)
      - e.g. Monochrome, Grayscale, Undefined
    - Supported Color Encoding (digital inputs)
      - e.g. RGB 4:4:4, YCrCb 4:2:2, etc.

What's new in EDID 1.4? (continued)

- Feature Support Byte (continued)
  - Preferred Timing Mode (PTM) Bit 1 changed
    - Can include Native Pixel Format & Preferred Refresh Rates
  - Generalized Timing Formula (GTF) Bit 0 changed
    - For continuous frequency vs. multi-mode
- Detailed Timing Descriptor (18 Bytes)
  - Now supports Image Size or Aspect Ratio
    - Preferred Timing Mode is the native pixel format with optimal timing.
  - Display Product Name Descriptor is not optional but recommended
  - Display Range Limits Descriptor (formally Monitor Range Limits) is now optional.
  - Display Color Management (DCM) is now used
  - Included CVT (Coordinated Video Timing)
  - Increased Range Limits
    - Max vertical rate goes from 255Hz to 510Hz
    - Max horizontal rate goes from 255kHz to 510kHz
  - Updated EDID Extension Block Tags

EDID 1.4 Summary

- EDID 1.4 (E-EDID Release A, Revision 2) is the result of a 2-year effort to revise the E-EDID 1.3 Standard
- Was designed to support both monitors, DTV, and combined products
- Proper use of EDID 1.4 will support Plug & Play
- VESA Recommendations:
  - Source professionals: Begin developing graphics drivers and/or programs capable of decoding both EDID 1.4 and EDID 1.3 data structures
  - Display professionals: Begin adding EDID 1.4 data tables to the displays