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Assignment #2

FILE FORMATS: MP3

File Format Name: MP3, also known as MPEG-1, Audio Layer 3

File Extension(s): ".mp3," ".mp2" (are these different file formats because of their different extensions?)

Date Introduced: (year) MPEG Audio Layer 1 was introduced in 1991. MPEG Audio Layer 3, MP3

Dates in Use: (years): 1991 (MPEG Audio Layer 1) -present.

Variations: Variable bit rates, so lossy compression is represented by these rates.

Open Source/Proprietary: Undetermined, in some cases proprietary.

Associated Operating System: Many contemporary OS, Windows and Macintosh.

Associated Application(s): iTunes, Windows Media Player, variety of players.

Associated Media: (storage) Hard drives, CD, various contemporary storage media.

Compression: Varies.

Primary Usage: Final state, end user delivery.

Risks: Lossy compression. Dependent on the choice of encoding and encoding compression.

Conservation Issues: Many contain "ID3" metadata. Would the same players work for MP2 that would be used for MP3? Patent claims for the bitstream, but not the file structure. Digital Rights Management for MP3 purchased over certain networks. Limited to 320 kilobytes per second.

Sources:

<http://en.wikipedia.org/wiki/Mp3>

<http://www.digitalpreservation.gov/formats/fdd/fdd000105.shtml>