

Multiplexing / datacasting

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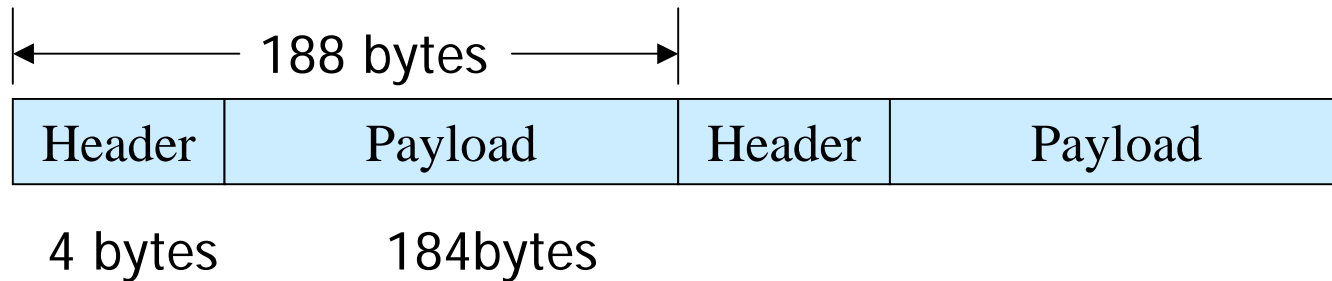
Multiplexing

Reference

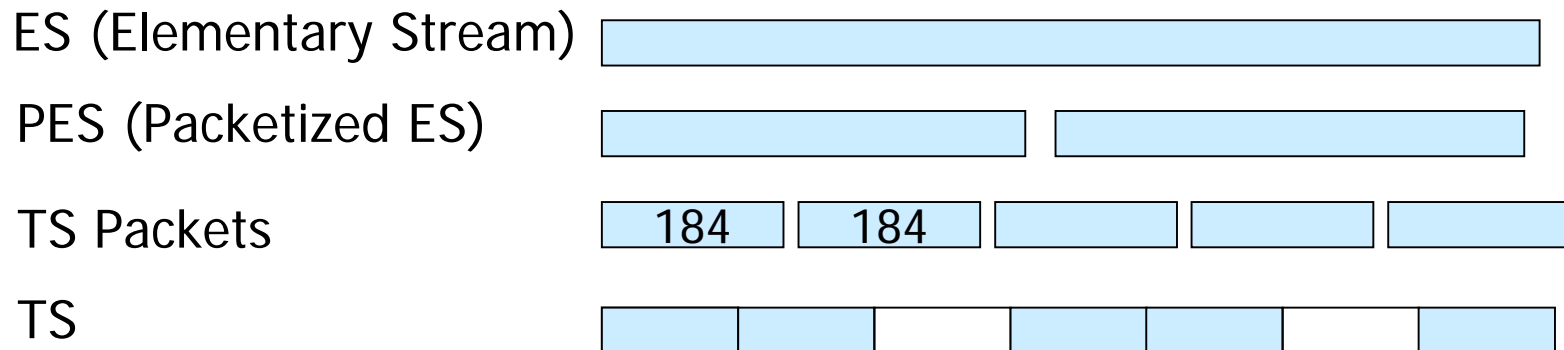
- * ARIB STD-B24 Part3
 - defines transmission for datacasting
 - * Independent PES (Chapter 5)
 - * Data carousel transmission (Chapter 6)
 - * Event message transmission (Chapter 7)
 - * Interaction Channel Protocol (Chapter 8)

Transport Stream

- * MPEG2 System (TS:Transport Stream)



- * Multiplex Audio and Visual data

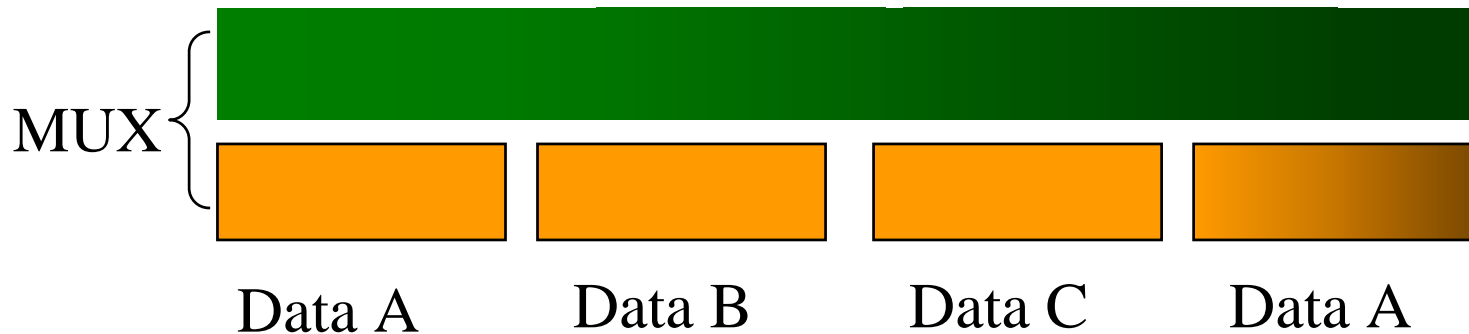


Data Multiplexing

- * Section : Max 4096 bytes variable signal. Sending datacasting contents and PSI/SI except PES.
- * PSI (Program Specific Information) : Indicate components which consist of the program. For example PSI can indicate which TS packet transmit audio or video stream.
- * SI (Service Information): Indicate the information such as an EPG(Electrical Program Guide), etc. In Japan, the broadcasters are using SI for all broadcasters or SI for individual broadcaster which depend on media (BS, CS, Terrestrial)

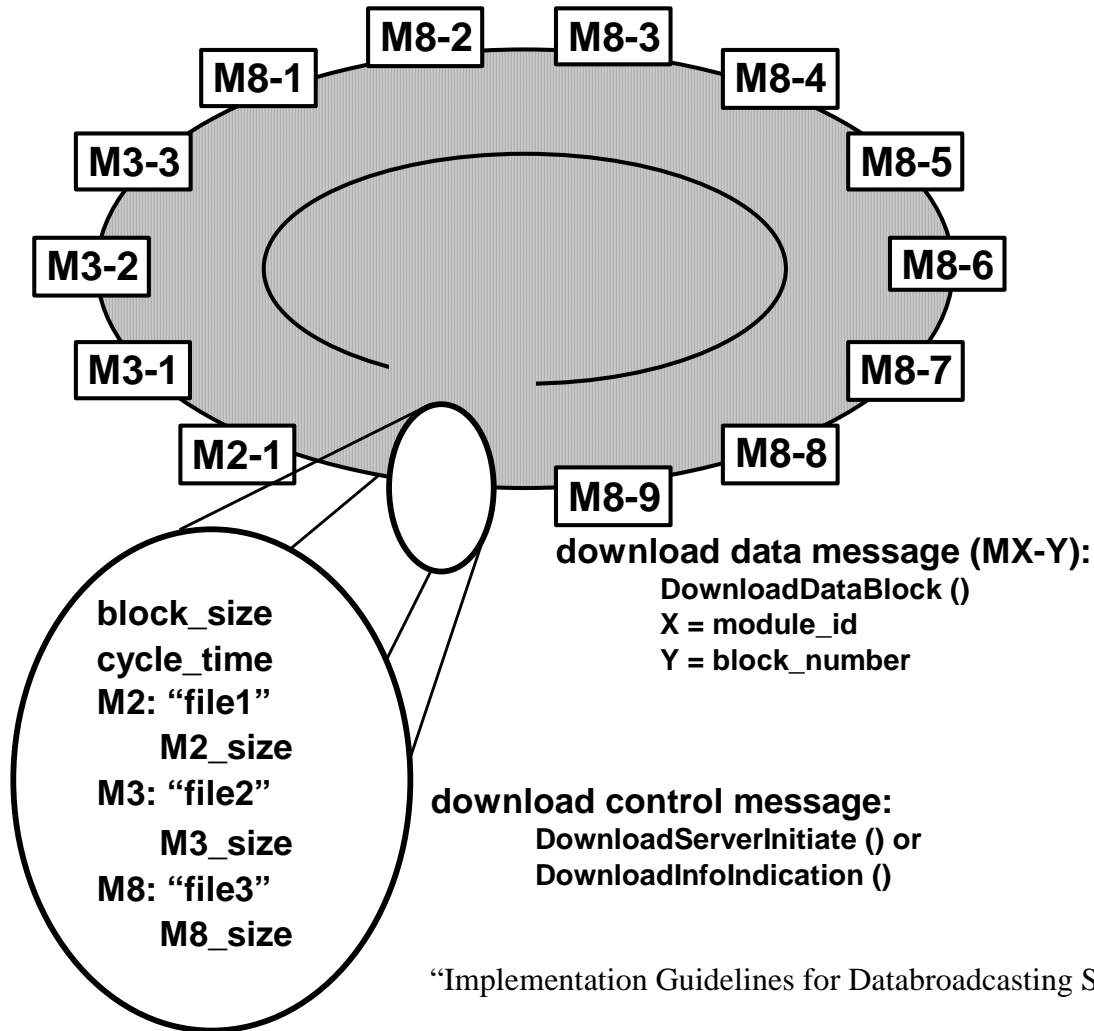
Data Composition

MPEG2 Audio and Video



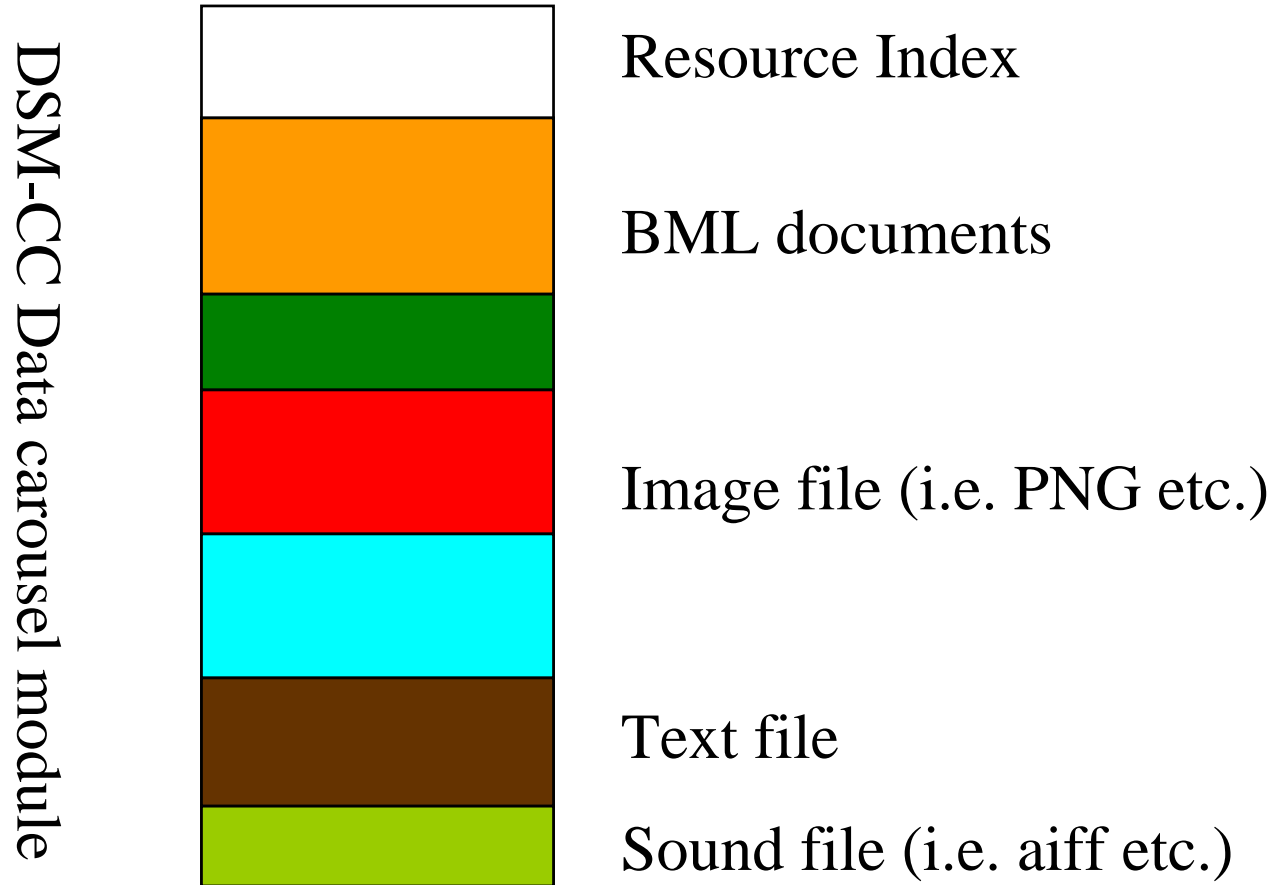
Each data broadcast as module repeatedly.
Same module will appear in some period.
(MPEG / DSM-CC Data Carousel)

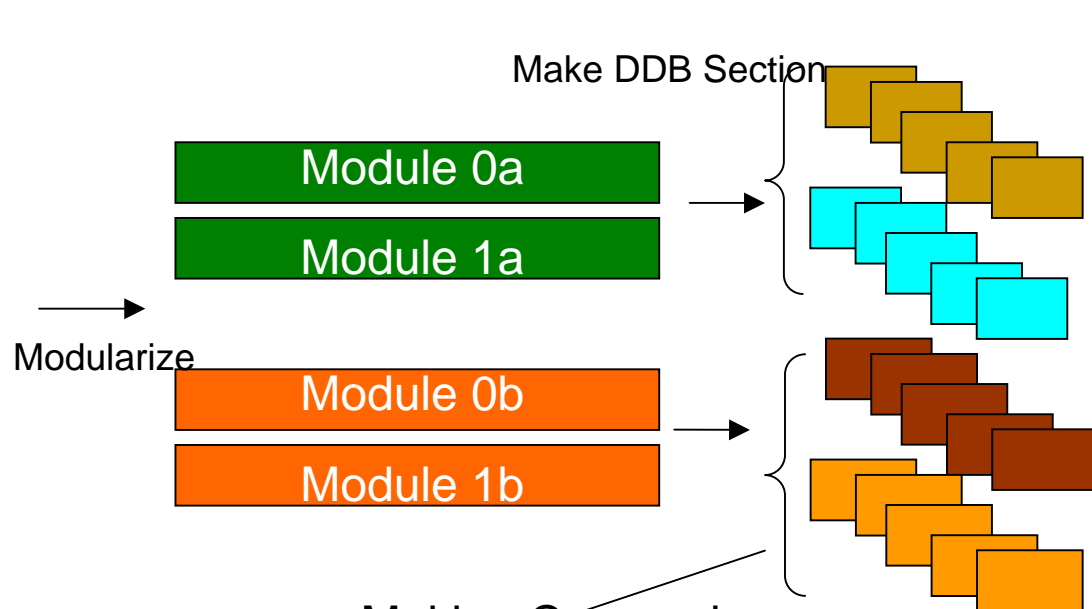
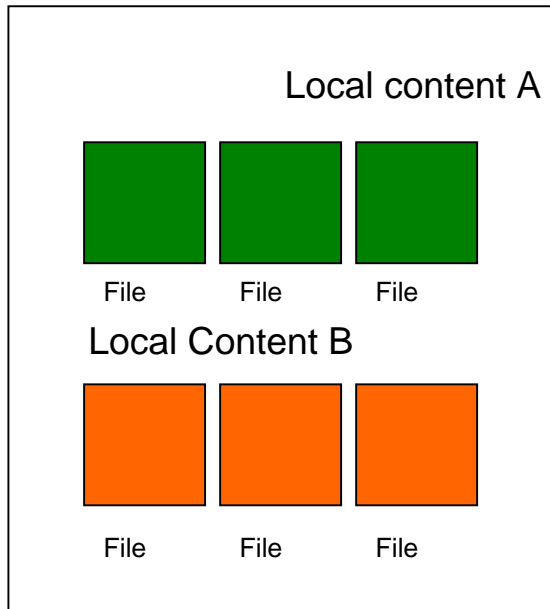
Data Carousels



“Implementation Guidelines for Databroadcasting SI-DAT382Rev.3”

Transmission Protocols





DDB: download data block

