7. MMA Payload Format over AVBTP Protocol

7.1 Overview

AVBTP frames with a subtype value of MMA_SUBTYPE (seeTable 5.1) contain the MMA Payload Format. MMA stands for the MIDI Manufacturers Association, which is the publisher and authoritative source of MIDI specifications (Musical Instrument Digital Interface) [R16]. The MMA publishes the "MMA Payload Format Specification for AVBTP" [R16] which defines the transport of MMA defined data over AVBTP.

7.2 AVBTP stream data frame format for MMA_SUBTYPE

This encapsulation uses a **cd** field of zero (0) and a **subtype** field of MMA_SUBTYPE. This encapsulation does not define subtype-specific control frames.

This encapsulation also uses the common header field protocol_specific_packet_header. For the MMA_SUBTYPE, the protocol_specific_packet_header common header field (16 bits) is called the MMA_payload_format_version field, and indicates the MMA Payload Format Version used by the stream_data_payload field. The external document "MMA Payload Format Specification for AVBTP" [R16] defines all valid values for the MMA_payload_format_version field, and provides a detailed specification for the format and usage of the stream_data_payload field corresponding to every valid value of MMA_payload_format_version.

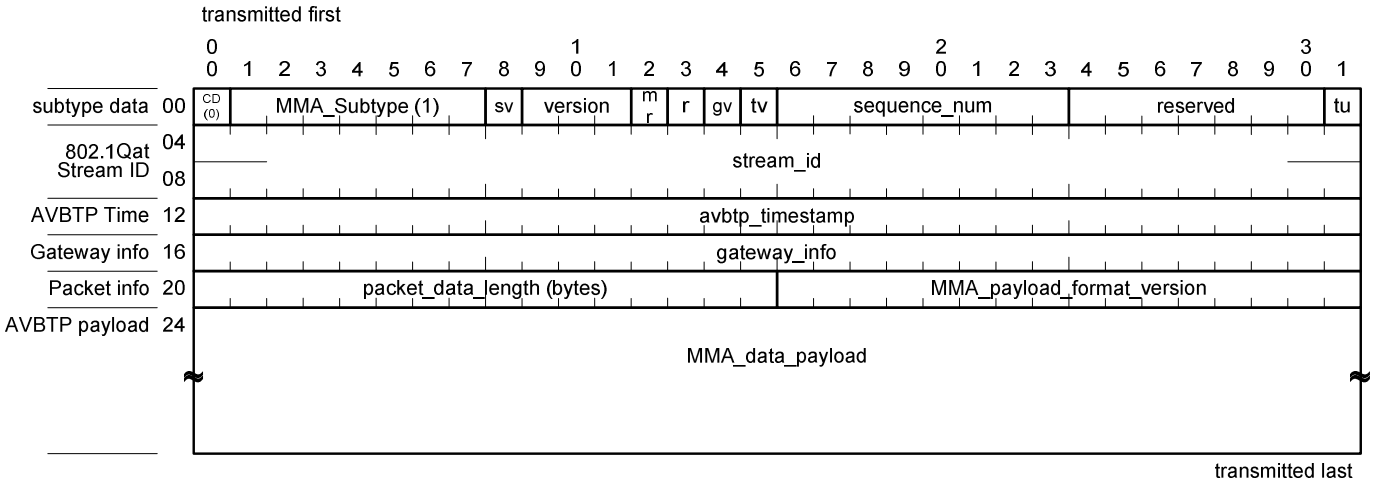

Figure 7.1 – AVBTP stream data frame format for MMA_SUBTYPE

Only the MMA may define values of MMA_payload_format_version and the corresponding payload format and usage for each such value. When the subtype common header field contains MMA_SUBTYPE, any other usage of the protocol_specific_packet_header field, or of the stream_data_payload field, is invalid.

The MMA may define any number of MMA Payload Format Versions in the future by revising the "MMA Payload Format Specification for AVBTP" [R16].