



Figure 1 - Connectionless messages

3.7 MCAPI Packet Channels

MCAPI packet channels provide a method to transmit data between endpoints by first establishing a connection, thus potentially removing or reducing the message header and route discovery overhead. Packet channels are unidirectional and deliver data in a FIFO (first in first out) manner. The buffers are provided by the MCAPI implementation on the receive side, and by the user application on the send side. Packet channels provide per endpoint priority. It is not allowed to send a message to a connected endpoint.

3.8 MCAPI Scalar Channels

MCAPI scalar channels provide a method to transmit scalars very efficiently between endpoints by first establishing a connection. Like packet channels, scalar channels are unidirectional and deliver data in a FIFO (first in first out) manner. The scalar functions come in 8-bit, 16-bit, 32-bit and 64-bit variants. The scalar receives must be of the same size as the scalar sends. A mismatch in size results in an error. Scalar channels provide per endpoint priority.