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A JKP Packet may contain one or more messages, in the following general ABNF form:

```
; a jkp packet contains
jkp-packet = *message

; a message is a 24 bit size in a quadlet, followed by an
; address in a quadlet, with 0 to many parameters
; depending on the specific address. All parameter
; lengths must be in quadlets
message = size address [parameters]

; an address is a quadlet
address = int32

; generic parameters is one or more quadlets
parameters = 1*int32

; the size field of a message is 24 bit value in a quadlet
size = int24

; the various parameter types can be:
oui = int64
mac = int48
int16 = DOUBLET
int24 = NUL 3OCTET
int32 = QUADLET
int48 = 2NUL 6OCTET
int64 = OCTLET

; strings are utf8 and NUL terminated and aligned to quadlets.
string = 4NUL
string =/ *(4utf8-char) 4NUL
string =/ *(4utf8-char) 1utf8-char 3NUL
string =/ *(4utf8-char) 2utf8-char 2NUL
string =/ *(4utf8-char) 3utf8-char 1NUL

QUADLET = 4OCTET
DOUBLET = 2NUL 2OCTET
OCTLET = 8OCTET

; a utf8-char is 8 bits and does not include NUL
```
utf8-char = %x01-%xFF
NUL = %x00
ADDRESS QUADLET

Every message contains a single address quadlet and the data values required for the address, if any.

A single packet may contain multiple values for multiple addresses.

Some addresses can be used as modifiers for the packet itself, for instance to specify a time to execute the commands, or to specify authentication tokens, or to specify required acknowledgment details.
ASCII ADDRESS COMPOSITION

On the “wire”, addresses are always 32 bit binary and every unique logical address in a device’s schema would be represented by a unique 32 bit pattern.

For readability for diagnostics and testing, the 32 bit binary address value can be mapped directly to or from an ASCII representation.

The ASCII representation of an address is in the form of concatenated strings and integer identifiers. There are 4 forms defined:

1. \([\text{section}]/[\text{metaaddress}]\)

2. \([\text{section}]/[\text{subsection}]/[\text{metaaddress}]\)

3. \([\text{section}]/[\text{subsection}]/[\text{subsubsection}]/[\text{subaddress}]\)

4. \([\text{section}]/[\text{subsection}]/[\text{subsubsection}]/[\text{item}]/[\text{subaddress}]\)

Where \text{section}, \text{subsection}, \text{subsubsection}, \text{subaddress}, and \text{metaaddress} are all string tokens representing an integer, and \text{item} is an integer value from 0-2046 inclusive represented as ASCII decimal.

Forms 1 and 2 are only used when \text{section} is meta, aka 0\text{16}.

Form 3 is used when \text{item} is between 0\text{10} and 2046\text{10} inclusive.

Form 4 is used when \text{item} is 2047\text{10}.
**CHAPTER FOUR**

**ADDRESS COMPONENTS**

### 4.1 section

Bits 29-27 of the address specify the *section* that the address is in. The following values are defined and reserved:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0_{16}</td>
<td>Meta Messages</td>
</tr>
<tr>
<td>1_{16}</td>
<td>Device specific values</td>
</tr>
<tr>
<td>2_{16}</td>
<td>Enumeration of properties and state</td>
</tr>
<tr>
<td>3_{16}</td>
<td>Media and stream connection management</td>
</tr>
<tr>
<td>4_{16}</td>
<td>Media control</td>
</tr>
<tr>
<td>5_{16}</td>
<td>State storage and recall</td>
</tr>
<tr>
<td>7_{16}</td>
<td>Future expansion</td>
</tr>
</tbody>
</table>

### 4.2 subsection

Bits 26-24 of the address specify the *subsection* that the address is in. The following values are defined and reserved:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0_{16}</td>
<td>System oriented values</td>
</tr>
<tr>
<td>1_{16}</td>
<td>AVTP talker values</td>
</tr>
<tr>
<td>2_{16}</td>
<td>AVTP listener values</td>
</tr>
<tr>
<td>3_{16}</td>
<td>AVTP controller values</td>
</tr>
<tr>
<td>4_{16}</td>
<td>Processing values</td>
</tr>
<tr>
<td>7_{16}</td>
<td>Future expansion</td>
</tr>
</tbody>
</table>

### 4.3 subsubsection

Bits 23-21 of the address specify the *subsubsection* that the address is in. The following values are defined and reserved:
Table 4.3: subsubsection codes

<table>
<thead>
<tr>
<th>code</th>
<th>value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>identity</td>
<td>0&lt;sub&gt;16&lt;/sub&gt;</td>
<td>Identity oriented values</td>
</tr>
<tr>
<td>media</td>
<td>1&lt;sub&gt;16&lt;/sub&gt;</td>
<td>Media oriented values</td>
</tr>
<tr>
<td>mediafmt</td>
<td>2&lt;sub&gt;16&lt;/sub&gt;</td>
<td>Media format values</td>
</tr>
<tr>
<td>stream</td>
<td>3&lt;sub&gt;16&lt;/sub&gt;</td>
<td>Stream oriented values</td>
</tr>
<tr>
<td>streamfmt</td>
<td>4&lt;sub&gt;16&lt;/sub&gt;</td>
<td>Stream format values</td>
</tr>
<tr>
<td>block</td>
<td>5&lt;sub&gt;16&lt;/sub&gt;</td>
<td>Processing block values</td>
</tr>
<tr>
<td>ext</td>
<td>7&lt;sub&gt;16&lt;/sub&gt;</td>
<td>Future expansion</td>
</tr>
</tbody>
</table>

### 4.4 metaaddress

When section is meta, then the bits 10-0 of the address specify the metaaddress. The following values are defined and reserved:

Table 4.4: metaaddress codes

<table>
<thead>
<tr>
<th>code</th>
<th>value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>time/actuate</td>
<td>30&lt;sub&gt;16&lt;/sub&gt;</td>
<td>Message modifier to specify 802.1AS time to actuate the message</td>
</tr>
<tr>
<td>request/id</td>
<td>70&lt;sub&gt;16&lt;/sub&gt;</td>
<td>Message modifier to request an acknowledgement of the packet with an identifier</td>
</tr>
<tr>
<td>request/status</td>
<td>71&lt;sub&gt;16&lt;/sub&gt;</td>
<td>Message modifier that contains the acknowledgement of a packet</td>
</tr>
<tr>
<td>io/report</td>
<td>90&lt;sub&gt;16&lt;/sub&gt;</td>
<td>Meta message to request values based on a address and address mask</td>
</tr>
</tbody>
</table>

### 4.5 subaddress

When section is not meta, then the bits 20-11 of the address specify the subaddress. The following values are defined and reserved:

Table 4.5: subaddress codes

<table>
<thead>
<tr>
<th>code</th>
<th>value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>0&lt;sub&gt;16&lt;/sub&gt;</td>
<td></td>
</tr>
<tr>
<td>count</td>
<td>1&lt;sub&gt;16&lt;/sub&gt;</td>
<td></td>
</tr>
<tr>
<td>active</td>
<td>2&lt;sub&gt;16&lt;/sub&gt;</td>
<td></td>
</tr>
<tr>
<td>health</td>
<td>3&lt;sub&gt;16&lt;/sub&gt;</td>
<td></td>
</tr>
<tr>
<td>type</td>
<td>4&lt;sub&gt;16&lt;/sub&gt;</td>
<td></td>
</tr>
<tr>
<td>capabilities</td>
<td>5&lt;sub&gt;16&lt;/sub&gt;</td>
<td></td>
</tr>
<tr>
<td>description</td>
<td>6&lt;sub&gt;16&lt;/sub&gt;</td>
<td></td>
</tr>
<tr>
<td>name</td>
<td>7&lt;sub&gt;16&lt;/sub&gt;</td>
<td></td>
</tr>
<tr>
<td>properties</td>
<td>8&lt;sub&gt;16&lt;/sub&gt;</td>
<td></td>
</tr>
<tr>
<td>format</td>
<td>9&lt;sub&gt;16&lt;/sub&gt;</td>
<td></td>
</tr>
<tr>
<td>map</td>
<td>A&lt;sub&gt;16&lt;/sub&gt;</td>
<td></td>
</tr>
<tr>
<td>connect_tx</td>
<td>10&lt;sub&gt;16&lt;/sub&gt;</td>
<td></td>
</tr>
<tr>
<td>disconnect_tx</td>
<td>11&lt;sub&gt;16&lt;/sub&gt;</td>
<td></td>
</tr>
<tr>
<td>get_tx_state</td>
<td>12&lt;sub&gt;16&lt;/sub&gt;</td>
<td></td>
</tr>
<tr>
<td>get_tx_connection</td>
<td>13&lt;sub&gt;16&lt;/sub&gt;</td>
<td></td>
</tr>
<tr>
<td>connect_rx</td>
<td>14&lt;sub&gt;16&lt;/sub&gt;</td>
<td></td>
</tr>
<tr>
<td>disconnect_rx</td>
<td>15&lt;sub&gt;16&lt;/sub&gt;</td>
<td></td>
</tr>
<tr>
<td>get_rx_state</td>
<td>16&lt;sub&gt;16&lt;/sub&gt;</td>
<td></td>
</tr>
<tr>
<td>version</td>
<td>20&lt;sub&gt;16&lt;/sub&gt;</td>
<td></td>
</tr>
<tr>
<td>guid</td>
<td>21&lt;sub&gt;16&lt;/sub&gt;</td>
<td></td>
</tr>
<tr>
<td>vendor</td>
<td>22&lt;sub&gt;16&lt;/sub&gt;</td>
<td></td>
</tr>
<tr>
<td>vendoroui</td>
<td>23&lt;sub&gt;16&lt;/sub&gt;</td>
<td></td>
</tr>
</tbody>
</table>

Continued on next page
Table 4.5 – continued from previous page

<table>
<thead>
<tr>
<th>Subaddress</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>bootid</td>
<td>24&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>name</td>
<td>25&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>description</td>
<td>26&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>modelid</td>
<td>27&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>modelname</td>
<td>28&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>typeenum</td>
<td>29&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>typetxt</td>
<td>2A&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>wink</td>
<td>2B&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>signal</td>
<td>2C&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>mac</td>
<td>2D&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>gmid</td>
<td>2E&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>talkercap</td>
<td>2F&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>listenercap</td>
<td>30&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>controllercap</td>
<td>31&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>level</td>
<td>40&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>panpot</td>
<td>41&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>position</td>
<td>42&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>mute</td>
<td>43&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>invert</td>
<td>44&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>pad</td>
<td>45&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>scale</td>
<td>46&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>phantom</td>
<td>47&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>preamp</td>
<td>48&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>trim</td>
<td>49&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>wait</td>
<td>4A&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>fade</td>
<td>4B&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>pfl</td>
<td>4C&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>afl</td>
<td>4D&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>meter/rms</td>
<td>50&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>meter/peak</td>
<td>51&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>meter/ballistics</td>
<td>52&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>meter/clip</td>
<td>53&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>eq</td>
<td>60&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>dynamics</td>
<td>61&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>send</td>
<td>62&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>busassign</td>
<td>63&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>buslevel</td>
<td>64&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>effect</td>
<td>65&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>matrix/level</td>
<td>66&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>matrix/mute</td>
<td>67&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>matrix/invert</td>
<td>68&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>matrix/eq</td>
<td>69&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>matrix/delay</td>
<td>6A&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>playback/select</td>
<td>80&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>playback/mode</td>
<td>81&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>record/select</td>
<td>82&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>record/mode</td>
<td>83&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>timecode/mode</td>
<td>84&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>timecode/source</td>
<td>85&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>timecode/format</td>
<td>86&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>state/clear</td>
<td>90&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
<tr>
<td>state/store</td>
<td>91&lt;sub&gt;16&lt;/sub&gt;</td>
</tr>
</tbody>
</table>

Continued on next page
### Table 4.5 – continued from previous page

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>state/recall</td>
<td>92₁₆</td>
</tr>
<tr>
<td>state/current</td>
<td>93₁₆</td>
</tr>
<tr>
<td>persist/clear</td>
<td>A₀₁₆</td>
</tr>
<tr>
<td>persist/store</td>
<td>A₁₁₆</td>
</tr>
<tr>
<td>persist/recall</td>
<td>A₂₁₆</td>
</tr>
<tr>
<td>persist/onboot</td>
<td>A₃₁₆</td>
</tr>
</tbody>
</table>

#### 4.6 item

Non-meta addresses in form 4 contain an 11 bit value in the 11 least significant bits of the address quadlet. If all bits of the item are 1, i.e. a value of 2047₁₀, then this means that the address is in form 3 and has no specific item.
5.1 Meta Messages

All messages that start with “/meta/” modify the handling of the messages following them in the same packet.

5.1.1 /meta/time/actuate

Time to actuate messages.

Address Code: 80000030_{16}

Parameters: One octlet containing 64 bit PTP time.

5.1.2 /meta/request/id

Request identifier for request and related response.

Address Code: 80000070_{16}

Parameters: One quadlet.

5.1.3 /meta/request/status

Status response.

Address Code: 80000071_{16}

Parameters: One quadlet containing the status code.

5.1.4 /meta/io/report

Report values of address pattern.

Address Code: 80000090_{16}

Parameters: One quadlet containing the address mask, one quadlet containing the address comparator.
5.2 Device Identity

Device identity properties

5.2.1 /device/sys/identity/version

1722.1 Protocol Version.

   Address Code: 880107FF
   Parameters: One quadlet containing version number.

5.2.2 /device/sys/identity/guid

Device’s GUID.

   Address Code: 88010FFF
   Parameters: One octlet containing the device’s EUI-64.

5.2.3 /device/sys/identity/vendor

Vendor’s human readable name.

   Address Code: 880117FF
   Parameters: One UTF8 string.

5.2.4 /device/sys/identity/vendoroui

Vendor’s OUI.

   Address Code: 88011FFF
   Parameters: One quadlet containing the vendor’s assigned OUI.

5.2.5 /device/sys/identity/bootid

Boot identifier.

   Address Code: 880127FF
   Parameters: One octlet containing a different number upon every device start up.

5.2.6 /device/sys/identity/name

User settable device name.

   Address Code: 88003FFF
   Parameters: One UTF8 string.
5.2.7 /device/sys/identity/description

Human readable product description.

   Address Code: 880037FF_{16}
   Parameters: One UTF8 string.

5.2.8 /device/sys/identity/modelid

Model identifier.

   Address Code: 88013FFF_{16}
   Parameters: One octlet.

5.2.9 /device/sys/identity/modelname

Human readable device model name.

   Address Code: 880147FF_{16}
   Parameters: One UTF8 string.

5.2.10 /device/sys/identity/typeenum

Enumerated device types.

   Address Code: 88014FFF_{16}
   Parameters: One quadlet.

5.2.11 /device/sys/identity/typetxt

Human readable device type.

   Address Code: 880157FF_{16}
   Parameters: One UTF8 string.

5.2.12 /device/sys/identity/wink

Device notification wink request.

   Address Code: 88015FFF_{16}
   Parameters: None.

5.2.13 /device/sys/identity/signal

Device notification signalled.

   Address Code: 880167FF_{16}
   Parameters: None.
5.2.14 /device/sys/identity/mac

Ethernet MAC addresses on this device.

Address Code: \( 88016FFF_{16} \)
Parameters: One octlet for each 802.1AS capable MAC address on the device.

5.2.15 /device/sys/identity/gmid

MAC address of current 802.1AS grand master ID.

Address Code: \( 880177FF_{16} \)
Parameters: One octlet for each 802.1AS capable MAC address on the device.

5.2.16 /device/sys/identity/talkercap

Talker Capabilities.

Address Code: \( 88017FFF_{16} \)
Parameters: One bitmapped quadlet.

5.2.17 /device/sys/identity/listenercap

Listener Capabilities.

Address Code: \( 880187FF_{16} \)
Parameters: One bitmapped quadlet.

5.2.18 /device/sys/identity/controllercap

Controller Capabilities.

Address Code: \( 88018FFF_{16} \)
Parameters: One bitmapped quadlet.

5.3 Media Source Formats Enumeration

5.3.1 /enum/talker/mediafmt/count

Count of the number of different talker media formats supported.

Address Code: \( 91400FFF_{16} \)
Parameters: One Quadlet.
5.3.2 /enum/talker/mediafmt/#/properties

Media format properties.

   Address Code: $91404000_{16} - 914047FE_{16}$
   Parameters: One UTF8 String.

5.4 Media Source Enumeration

5.4.1 /enum/talker/media/count

Count of talker media sources.

   Address Code: $91200FFF_{16}$
   Parameters: One quadlet.

5.4.2 /enum/talker/media/#/format

Media format of a talker media source.

   Address Code: $91204800_{16} - 91204FFE_{16}$
   Parameters: One quadlet which refers to a talker mediafmt item.

5.5 Media Sink Formats Enumeration

5.5.1 /enum/listener/mediafmt/count

Count of the number of listener media formats supported.

   Address Code: $92400FFF_{16}$
   Parameters: One quadlet.

5.5.2 /enum/listener/mediafmt/#/properties

The properties of one listener media format.

   Address Code: $92404000_{16} - 924047FE_{16}$
   Parameters: One UTF8 String.

5.6 Media Sink Enumeration

5.6.1 /enum/listener/media/count

Count of listener media sinks.

   Address Code: $92200FFF_{16}$
Parameters: One quadlet.

5.6.2 /enum/listener/media/#/format

Media format of a listener media sink.

Address Code: 92204800\textsubscript{16} - 92204FFE\textsubscript{16}

Parameters: One quadlet which refers to a listener mediafmt item.

5.7 Stream Source Formats Enumeration

5.7.1 /enum/talker/streamfmt/count

Count of the number of talker stream formats supported.

Address Code: 91800FFF\textsubscript{16}

Parameters: One quadlet.

5.7.2 /enum/talker/streamfmt/#/properties

The properties of one talker stream format.

Address Code: 91804000\textsubscript{16} - 918047FE\textsubscript{16}

Parameters: One UTF8 String.

5.8 Stream Source Enumeration

5.8.1 /enum/talker/stream/count

Count of the number of talker streams supported.

Address Code: 91600FFF\textsubscript{16}

Parameters: One quadlet.

5.8.2 /enum/talker/stream/#/format

The format identifier for one talker stream.

Address Code: 91604800\textsubscript{16} - 91604FFE\textsubscript{16}

Parameters: One quadlet.

5.8.3 /enum/talker/stream/#/properties

The stream properties of one talker stream.

Address Code: 91604000\textsubscript{16} - 916047FE\textsubscript{16}

Parameters: TBD.
5.9 Stream Sink Formats Enumeration

5.9.1 /enum/listener/streamfmt/count

Count of the number of listener stream formats supported.

- **Address Code:** \(92800FF_{16}\)
- **Parameters:** One quadlet.

5.9.2 /enum/listener/streamfmt/#/properties

The properties of one listener stream format.

- **Address Code:** \(92804000_{16} - 928047FE_{16}\)
- **Parameters:** One UTF8 String.

5.10 Stream Sink Enumeration

5.10.1 /enum/listener/stream/count

Count of the number of listener streams supported.

- **Address Code:** \(92600FF_{16}\)
- **Parameters:** One quadlet.

5.10.2 /enum/listener/stream/#/format

The format identifier of one listener stream.

- **Address Code:** \(92604800_{16} - 92604FFE_{16}\)
- **Parameters:** One quadlet.

5.10.3 /enum/listener/stream/#/properties

The stream properties of one listener stream.

- **Address Code:** \(92604000_{16} - 926047FE_{16}\)
- **Parameters:** TBD.

5.11 Connection of talker media sources to talker stream sources

5.11.1 /connection/talker/stream/#/map

Map of talker media sources to talker stream source elements.

- **Address Code:** \(99605000_{16} - 996057FE_{16}\)
- **Parameters:** One quadlet describing the talker media source id for each element in the stream.
5.12 Connection of listener media sinks to listener stream sources

5.12.1 /connection/listener/stream/#/map

Map of listener media sinks to talker stream sink elements.

Address Code: 9A605000\text{\textsubscript{16}} - 9A6057FE\text{\textsubscript{16}}

Parameters: One quadlet describing the listener media sink id for each element in the stream.

5.13 Connection of talker streams

Manage the connection of talker streams via Simple Connection Management Protocol

5.13.1 /connection/talker/stream/#/connect_tx

SCMP.

Address Code: 99608000\text{\textsubscript{16}} - 996087FE\text{\textsubscript{16}}

Parameters: TBD.

5.13.2 /connection/talker/stream/#/disconnect_tx

SCMP.

Address Code: 99608800\text{\textsubscript{16}} - 99608FFE\text{\textsubscript{16}}

Parameters: TBD.

5.13.3 /connection/talker/stream/#/get_tx_connection

SCMP.

Address Code: 99609800\text{\textsubscript{16}} - 99609FFE\text{\textsubscript{16}}

Parameters: TBD.

5.14 Connection of listener streams

Manage the connection of listener streams via Simple Connection Management Protocol

5.14.1 /connection/listener/stream/#/connect_rx

SCMP.

Address Code: 9A60A000\text{\textsubscript{16}} - 9A60A7FE\text{\textsubscript{16}}

Parameters: TBD.
5.14.2 /connection/listener/stream/#/disconnect_rx

SCMP.

Address Code: 9A60A800_16 - 9A60AFFE_16
Parameters: TBD.

5.14.3 /connection/listener/stream/#/get_rx_state

SCMP.

Address Code: 9A60B000_16 - 9A60B7FE_16
Parameters: TBD.

5.15 Media Source Metering

5.15.1 /control/talker/media/meter/rms

RMS meter values for all media sources.

Address Code: A12287FF_16
Parameters: One quadlet for every four media sources. Each quadlet contains four signed octets describing a RMS meter value in dBFS, from -128 dBFS to +127 dBFS, where -128 dBFS means negative infinity.

5.15.2 /control/talker/media/meter/peak

Peak meter values for all media sources.

Address Code: A1228FFF_16
Parameters: One quadlet for every four media sources. Each quadlet contains four signed octets describing a peak meter value in dBFS, from -128 dBFS to +127 dBFS, where -128 dBFS means negative infinity.

5.16 Media Source Control

5.16.1 /control/talker/media/#/level

Set media source level in dB.

Address Code: A1220000_16 - A12207FE_16
Parameters: One quadlet describing the level in dB multiplied by 100, allowing for 0.01 dB precision.
5.16.2 /control/talker/media/#/mute
Set media source mute.

Address Code: A1221800_{16} - A1221FFE_{16}
Parameters: One quadlet describing the mute status, 0=not muted, 1=muted.

5.17 Media Sink Metering

5.17.1 /control/listener/media/meter/rms
RMS meter values for all media sinks.

Address Code: A22287FF_{16}
Parameters: One quadlet for every four media sinks. Each quadlet contains four signed octets describing a RMS meter value in dBFS, from -128 dBFS to +127 dBFS, where -128 dBFS means negative infinity.

5.17.2 /control/listener/media/meter/peak
Peak meter values for all media sinks.

Address Code: A2228FFF_{16}
Parameters: One quadlet for every four media sinks. Each quadlet contains four signed octets describing a peak meter value in dBFS, from -128 dBFS to +127 dBFS, where -128 dBFS means negative infinity.

5.18 Media Sink Control

5.18.1 /control/listener/media/#/level
Set media sink level in dB.

Address Code: A2220000_{16} - A22207FE_{16}
Parameters: One quadlet describing the level in dB multiplied by 100, allowing for 0.01 db precision.

5.18.2 /control/listener/media/#/mute
Set media sink mute.

Address Code: A2221800_{16} - A2221FFE_{16}
Parameters: One quadlet describing the mute status, 0=not muted, 1=muted.
CHAPTER SIX

EXAMPLES

TBD