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# ADT Proposal

## Link Service Payload Sizes

### Introduction

ADT r01 specifies frame payload sizes for some Link Service frames but not for others. Where it does state payload size, the existing text uses implicit 'shall' statements.

To enhance the clarity of the standard, HP wishes to add text stating payload size for all Link Service frame types and altering the existing text to make explicit 'shall' statements. These changes include of a mixture of technical and editorial aspects.

### Current Text

#### 6.5.2 ACK frame

ACK frames are sent by the transport layer to indicate that the port has received a frame without error. An ACK frame shall be sent for every frame that is received without error, except ACK and NAK frames.

#### 6.5.3 NAK frame

NAK frames are sent by the transport layer to indicate that the port has detected an error during the reception of a frame. The Payload of a NAK frame contains 1 byte indicating the status.

[...]

#### 6.5.5 Port logout

[...]

The Port Logout frame has no data in its payload.

#### 6.5.6 Pause

[...]

The Pause frame has no data in its payload.

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### 6.5.7 NOP

A NOP frame may be sent by a port to re-activate the other device's port after it has been paused.

### 6.5.8 Initiate Recovery

There is no payload in an Initiate Recovery frame.

## Detailed Changes to Draft Technical Standard

### 6.5.2 ACK frame

ACK frames are sent by the transport layer to indicate that the port has received a frame without error. An ACK frame shall be sent for every frame that is received without error, except ACK and NAK frames. ~~An ACK frame shall contain zero bytes of payload.~~

### 6.5.3 NAK frame

NAK frames are sent by the transport layer to indicate that the port has detected an error during the reception of a frame. The Payload of a NAK frame ~~contains~~ shall contain 1 byte indicating the status.

### 6.5.5 Port logout

[...]

The Port Logout frame ~~has no data in its~~ shall contain zero bytes of payload.

### 6.5.6 Pause

[...]

The Pause frame ~~has no data in its~~ shall contain zero bytes of payload.

### 6.5.7 NOP

A NOP frame may be sent by a port to re-activate the other device's port after it has been paused. ~~A NOP frame shall contain zero bytes of payload.~~

### 6.5.8 Initiate Recovery

[...] ~~There is no payload in a~~An Initiate Recovery frame shall contain zero bytes of payload.