

## X.400 Image Body Parts

### Status of this Memo

This document specifies an Internet standards track protocol for the Internet community, and requests discussion and suggestions for improvements. Please refer to the current edition of the "Internet Official Protocol Standards" (STD 1) for the standardization state and status of this protocol. Distribution of this memo is unlimited.

### Copyright Notice

Copyright (C) The Internet Society (1998). All Rights Reserved.

### 1. Introduction

This document contains the body parts defined in RFC 1495 for carrying image formats that were originally defined in MIME through an X.400 system.

It also documents the OIDs assigned to these data formats as FTAM body parts, which allow the MIME types to be converted to FTAM body parts; this will probably be more useful than the new body parts defined here.

### 2. Newly defined X.400 body parts

#### 2.1. The JPEG body part

The following Extended Body Part is defined for JPEG data streams. It has no parameters.

```
jpeg-body-part EXTENDED-BODY-PART-TYPE
  DATA          OCTET STRING
  ::= mime-jpeg-body
```

```
mime-jpeg-body OBJECT IDENTIFIER ::=
  { mixer-bp-data 3 }
```

The content is as defined in [MIME].

## 2.2. The GIF body part

The following Extended Body Part is defined for GIF data streams. It has no parameters.

```
gif-body-part EXTENDED-BODY-PART-TYPE
  DATA          OCTET STRING
  ::= mime-gif-body
```

```
mime-gif-body OBJECT IDENTIFIER ::=
  { mixer-bp-data 4 }
```

The content is as defined in [MIME].

## 3. Defined equivalences with MIME types

### 3.1. image/jpeg - jpeg-body-part

X.400 Body Part: Extended Body Part, OID jpeg-body-part  
 MIME Content-Type: image/jpeg  
 Conversion: None

### 3.2. image/jpeg - FTAM EMA JPEG

X.400 Body Part: FTAM EMA JPEG  
 MIME Content-Type: image/jpeg  
 Conversion: None

The OID assigned to JPEG by EMA in [MAWG] is

```
{ ema objects(2) messaging (2) attachments(1) jpeg-image(6) }
```

while EMA's OID is

```
{ joint-iso-ccitt(2) country(16) us(840) organization(1)
  ema(113694) }
```

making the total OID, numeric only

```
{ 2 16 840 1 113694 2 2 1 6 }
```

### 3.3. image/gif - gif-body-part

X.400 Body Part: Extended Body Part, OID gif-body-part  
 MIME Content-Type: image/gif  
 Conversion: None

### 3.4. image/gif - FTAM EMA GIF

X.400 Body Part: FTAM EMA GIF  
MIME Content-Type: image/jpeg  
Conversion: None

The OID assigned to JPEG by EMA in [MAWG] is

```
{ ema objects(2) messaging (2) attachments(1) gif-image(4) }
```

### 4. Security Considerations

Security issues are not considered in this memo.

### 5. References

[MIME]

Freed, N., and N. Borenstein, "Multipurpose Internet Mail Extensions (MIME) Part One: Format of Internet Message Bodies", RFC 2045, November 1996.

[MAWG]

Electronic Messaging Association Message Attachment Working Group (MAWG): File Transfer Body Part Feasibility Project Guide - version 1.5.1 - March 1996.

### 6. Author's Address

Harald Tveit Alvestrand  
UNINETT  
Postboks 6883 Elgeseter  
N-7002 TRONDHEIM

Phone: +47 73 59 70 94  
EMail: Harald.T.Alvestrand@uninett.no

## 7. Full Copyright Statement

Copyright (C) The Internet Society (1998). All Rights Reserved.

This document and translations of it may be copied and furnished to others, and derivative works that comment on or otherwise explain it or assist in its implementation may be prepared, copied, published and distributed, in whole or in part, without restriction of any kind, provided that the above copyright notice and this paragraph are included on all such copies and derivative works. However, this document itself may not be modified in any way, such as by removing the copyright notice or references to the Internet Society or other Internet organizations, except as needed for the purpose of developing Internet standards in which case the procedures for copyrights defined in the Internet Standards process must be followed, or as required to translate it into languages other than English.

The limited permissions granted above are perpetual and will not be revoked by the Internet Society or its successors or assigns.

This document and the information contained herein is provided on an "AS IS" basis and THE INTERNET SOCIETY AND THE INTERNET ENGINEERING TASK FORCE DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTY THAT THE USE OF THE INFORMATION HEREIN WILL NOT INFRINGE ANY RIGHTS OR ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

