

# DICOM Change Proposal

STATUS	Letter Ballot
Date of Last Update	2026/01/28
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Change Number	CP-2525
Log Summary: Describe payload consistently in message syntax	
Name of Standard	
PS3.18	
Rationale for Change: Currently, the way payloads in message syntaxes are given is inconsistent across PS3.18. For instance:	
<ul style="list-style-type: none"><li>• Payload</li><li>• payload / status-report</li><li>• store-instances-response-module</li><li>• [ payload / status-report ]</li><li>• Workitem</li><li>• [Status Report]</li></ul> <p>This is not easy to follow, and sometimes even erroneous.</p> <p>It is proposed to always refer to the HTTP content as payload and make this optional with square brackets where applicable. In the sections [ Request   Response ] Payload it shall be described what kind of payloads are required in what cases, which is already the case.</p>	
Change Wording: See below.	

## Change the text in Part 3.18, as indicated below

5 ...

### 9.4.3 Response

#### The response shall have the following syntax:

version SP status-code SP reason-phrase CRLF

[Content-Type: media-type CRLF]

10 [(Content-Length: uint / Transfer-Encoding: encoding) CRLF]

Content-Location: url CRLF

\*(header-field CRLF)

CRLF

[payload ~~/status-report~~]

15 ...

### 9.5.3 Response

**The response shall have the following syntax:**

version SP status-code SP reason-phrase CRLF

[Content-Type: rendered-media-type CRLF]

20 [(Content-Length: uint / Transfer-Encoding: encoding) CRLF]

[Content-Location: url CRLF]

\*(header-field CRLF)

CRLF

[payload ~~/status-report~~]

25 ...

### 10.4.3 Response

The response shall have the following syntax:

version SP status-code SP reason-phrase CRLF

[Content-Type: media-type CRLF]

30 [(Content-Length: uint / Transfer-Encoding: encoding) CRLF]

[Content-Location: url CRLF]

\*(header-field CRLF)

CRLF

payload ~~/status-report~~

35 ...

### 10.5.3 Response

The response shall have the following syntax:

version SP status-code SP reason-phrase CRLF

[Content-Type: media-type CRLF]

40 [(Content-Length: uint CRLF / Transfer-Encoding: encoding CRLF) ]

\*(header-field CRLF)

CRLF

**store-instances-response-module**~~payload~~

...

45 **10.6.3 Response**

The response shall have the following syntax:

version SP status-code SP reason-phrase CRLF

[Content-Type: media-type CRLF]

[Content-Location: url CRLF]

50 [(Content-Length: uint / Transfer-Encoding: encoding) CRLF]

\*(header-field CRLF)

CRLF

[payload ~~/status-report~~]

...

55 **11.4.1 Request**

The request shall have the following syntax:

POST SP /workitems ?{workitem} SP version CRLF

Accept: dicom-media-type CRLF

Content-Type: dicom-media-type CRLF

60 (Content-Length: uint / Transfer-Encoding: encoding) CRLF

\*(header-field CRLF)

CRLF

Workitem payload

...

65 **11.4.3 Response**

The response shall have the following syntax:

version SP status-code SP reason-phrase CRLF

Content-Location: representation CRLF

Location: resource CRLF

70 \*(header-field CRLF)

CRLF

[status-report payload]

...

**11.5.3 Response**

75 The response shall have the following syntax:

version SP status-code SP reason-phrase CRLF

[Content-Type: dicom-media-type CRLF]  
[(Content-Length: uint / Transfer-Encoding: encoding) CRLF]  
[Content-Location: url CRLF]

80 \*(header-field CRLF)  
CRLF  
[workitem / status-reportpayload]  
...

### 11.6.1 Request

85 The request shall have the following syntax:

POST SP /workitems/{workitem}?{transaction-uid} SP version CRLF

Content-Type: dicom-media-type CRLF

(Content-Length: uint / Transfer-Encoding: encoding) CRLF

Content-Location: url CRLF

90 \*(header-field CRLF)  
CRLF

Payload  
...

### 11.6.3 Response

95 The response shall have the following syntax:

version SP status-code SP reason-phrase CRLF

[Content-Type: media-type CRLF]

[(Content-Length: uint / Transfer-Encoding: encoding) CRLF]

[Content-Location: workitem CRLF]

100 \*(header-field CRLF)  
CRLF

[status-reportpayload]  
...

### 11.7.1 Request

105 The request shall have the following syntax:

PUT SP /workitems/{workitem}/state SP version CRLF

Content-Type: dicom-media-type

(Content-Length: uint / Transfer-Encoding: encoding) CRLF

\*(header-field CRLF)

110 CRLF

**Ppayload**

...

### 11.7.3 Response

The response shall have the following syntax:

115 version SP status-code SP reason-phrase CRLF

[Content-Type: dicom-media-type CRLF]

[(Content-Length: uint / Transfer-Encoding: encoding) CRLF]

\*(header-field CRLF) CRLF

**[status-reportpayload]**

120 ...

### 11.8.1 Request

The request shall have the following syntax:

POST SP /workitems/{workitem}/cancelrequest SP version CRLF

Content-Type: dicom-media-type

125 (Content-Length: uint / Transfer-Encoding: encoding) CRLF

\*(header-field CRLF)

CRLF

**[Ppayload]**

...

### 130 11.8.3 Response

The response shall have the following syntax:

version SP status-code SP reason-phrase CRLF

[Content-Type dicom-media-type CRLF]

[Content-Type: dicom-media-type CRLF]

135 [(Content-Length: uint / Transfer-Encoding: encoding) CRLF]

[Content-Location: url CRLF]

\*(header-field CRLF) CRLF

**[status-reportpayload]**

...

### 140 11.9.3 Response

The response shall have the following syntax:

version SP status-code SP reason-phrase CRLF

[Content-Type: dicom-media-type CRLF]

[(Content-Length: uint / Transfer-Encoding: encoding) CRLF]

145 [Content-Location: url CRLF]

\*(header-field CRLF)

CRLF

**[search results / status report payload]**

...

150 **11.10.3 Response**

The response shall have the following syntax:

version SP status-code SP reason-phrase CRLF

[Content-Type: media-type CRLF]

[(Content-Length: uint / Transfer-Encoding: encoding) CRLF]

155 [Content-Location: url CRLF]

\*(header-field CRLF)

CRLF

**[status report payload]**

...

160 **11.11.3 Response**

The response shall have the following syntax:

version SP status-code SP reason-phrase CRLF

[Content-Type: media-type CRLF]

[(Content-Length: uint / Transfer-Encoding: encoding) CRLF]

165 [Content-Location: url CRLF]

\*(header-field CRLF)

CRLF

**[status report payload]**

...

170 **11.12.3 Response**

The response shall have the following syntax:

version SP status-code SP reason-phrase CRLF

[Content-Type: media-type CRLF]  
[(Content-Length: uint / Transfer-Encoding: encoding) CRLF]  
175 [Content-Location: url CRLF]  
- Standard -  
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\*(header-field CRLF)  
CRLF

180 [~~status-report~~payload]

...

### 12.4.3 Response

The response ~~has~~ shall have the following syntax:

version SP status-code SP reason-phrase CRLF  
185 [Content-Type: dicom-media-type CRLF]  
[(Content-Length: uint / Transfer-Encoding: encoding) CRLF]  
[Content-Location: url CRLF]  
\*(header-field CRLF)  
CRLF

190 [payload ~~/status-report~~]

...

### 12.5.3 Response

The response shall have the following syntax:

version SP status-code SP reason-phrase CRLF  
195 [Content-Type: media-type CRLF]  
[(Content-Length: uint / Transfer-Encoding: encoding) CRLF]  
[Content-Location: url CRLF]  
\*(header-field CRLF)  
CRLF

200 [~~Status-Report~~payload]

...

### 12.6.3 Response

The response shall have the following syntax:

version SP status-code SP reason-phrase CRLF

205 [Content-Type: dicom-media-type CRLF]  
[(Content-Length: uint / Transfer-Encoding: encoding) CRLF]  
[Content-Location: url CRLF]  
\*(header-field CRLF  
CRLF  
210 [payload ~~/status-report~~]  
...