

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	
<p>Rationale for Change:</p> <p>Currently, the way payloads in message syntaxes are given is inconsistent across PS3.18. For instance:</p> <ul style="list-style-type: none">• Payload• payload / status-report• store-instances-response-module• [payload / status-report]• Workitem• [Status Report] <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>	
<p>Change Wording:</p> <p>See below.</p>	

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 report~~payload]

...

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

~~Pp~~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 report~~payload]

...

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-report~~payload]

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-report~~payload]

...

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]

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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~~]
...