

# DICOM Change Proposal

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Change Number	CP-2620
Log Summary:	Properly describe payload of STOW and SC responses
Name of Standard	PS3.18
Rationale for Change:	<p>Currently, section 10.5.3.3 Response Payload describes the payload of the Store Transaction Response as:</p> <p style="padding-left: 40px;">A success response payload shall contain a Store Instances Response Module. See Annex I.</p> <p style="padding-left: 40px;">A failure response payload may contain a Status Report describing any failures, warnings, or other useful information.</p> <p>The description of the success response payload, however, only gives the structure of the payload and does not prescribe that it should contain a report of what happened to the Instances provided in the Payload of the Request. With the current specification, it is perfectly ok to return an empty Store Instances Response Module in case of success, which is clearly not its intent.</p> <p>Similarly, section 13.4.3.3 Response Payload describes the payload of the Storage Commit Response currently as:</p> <p style="padding-left: 40px;">A 200 (OK) success response payload shall contain a Storage Commitment Response Module. See Section J.2.</p> <p style="padding-left: 40px;">A 202 (Accepted) success response will not contain a payload.</p> <p style="padding-left: 40px;">Any failure response payload may contain a Status Report describing failures, warnings, or other useful information.</p> <p>Here too, this is structure only and needs to be clarified further.</p> <p>Open issue: would such a change be needed for section 10.4.3.3.7 Rendered Volume Resource Payload too? This is currently described as:</p> <p style="padding-left: 40px;">The payload for a Rendered 3D Volume Resource (see Section 10.4.1.1.8) or a Rendered MPR Volume Resource (see Section 10.4.1.1.7) shall contain:</p> <ul style="list-style-type: none"> <li>• a 2D representation of the rendered volume according to the parameters of the display algorithm, or</li> <li>• a Rendered Volume Resources Response Module (see Annex K) corresponding to the request. See Section B.32 for an example.</li> </ul> <p style="padding-left: 40px;">A failure response payload may contain a Status Report describing any failures, warnings, or other useful information.</p> <p>While the text “corresponding to the request” gives some semantics, it is not clear whether this suffices.  [2026-01-29] After discussion with Steve Nichols, it seems this does not require a change.  [2025-02-23] Discussion in WG27 suggested it does require a change. WG06 to discuss and advise.</p>

Change Wording:

See below.

***Update PS3.18, Section 10.5.3.3***

5 **10.5.3.3 Response Payload**

A success response payload shall contain a Store Instances Response Module. See Annex I. **This Store Instances Response Module shall reflect the origin server's storage status of each Instance provided in the Request Payload. This means that the provided Instances that have not been stored shall be referenced in the Failed SOP Sequence, while the provided Instances that have been stored shall be referenced in the Referenced SOP Sequence.**

10 A failure response payload may contain a Status Report describing any failures, warnings, or other useful information.

***Update PS3.18, Section 13.4.3.3***

15 **13.4.3.3 Response Payload**

A 200 (OK) success response payload shall contain a Storage Commitment Response Module. See Section J.2. **This Storage Commitment Response Module shall reflect the origin server's storage commitment status of each Instance referenced in the Request Payload. This means that referenced Instances given in the Request Payload for which safekeeping has not been guaranteed shall be given in the Failed SOP Sequence or in the Failed Study Sequence. Furthermore, referenced Instances in the Request Payload for which safekeeping has been guaranteed shall be given in the Referenced SOP Sequence or the Referenced Study Sequence.**

20 A 202 (Accepted) success response will not contain a payload.

25 Any failure response payload may contain a Status Report describing failures, warnings, or other useful information.