DICOM Correction Proposal

STATUS	Assigned
Date of Last Update	2019/11/02
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Correction Number CP-1981
Log Summary: Part1 update to include DICOM-RTV
Name of Standard PS3.1
Rationale for Correction: Update PS3.1 to refer to the new PS3.22 and existence of DICOM-RTV added by Supplement 202.
Correction Wording:

Amend Section 3 Definitions with the following items

Essence	Video, audio or data type of source, as defined in [EBU-SMPTE-VSF].
Flow	A sequence of Grains from a Source; a concrete representation of content emanating from the Source, as defined in [EBU-SMPTE-VSF].
Grain	Represents an element of Essence or other data associated with a specific time, such as a frame, or a group of consecutive audio samples, or captions, as defined in [EBU-SMPTE-VSF]**.**
Rendition	A collection of time-synchronized Flows intended for simultaneous presentation, providing a complete experience of a Source Group, as defined in [EBU-SMPTE-VSF].
Source	An abstract concept that represents the primary origin of a Flow or set of Flows, as defined in [EBU-SMPTE-VSF].

Amend Section 4 Symbols and Abbreviations with the following items

DICOM-RTV	DICOM Real-Time Video
PTP	Precision Time Protocol
RTP	Real-Time Protocol
SMPTE	Society of Motion Picture and Television Engineers

Amend Section 5 The DICOM Communication Model with the following text

- the DICOM-RTV and RTP Service, which allows use of real-time transmission for transport of DICOM services

Update the figure 5-1

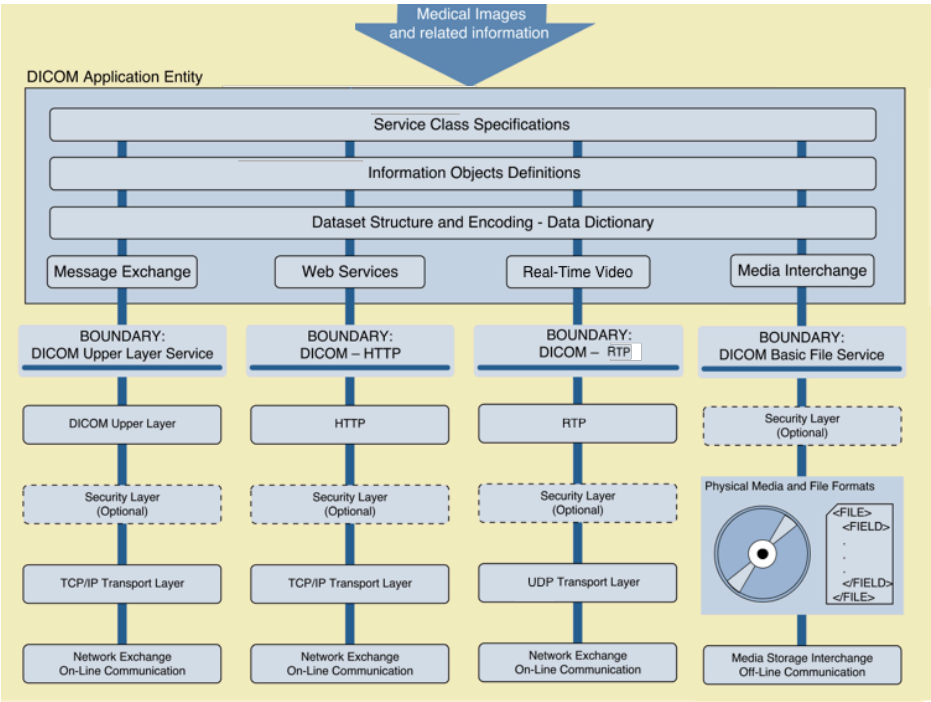

Figure 5-1. General Communication Model

Add a new Section 6.22

6.22 PS3.22: Real-Time Communication (DICOM-RTV)

PS3.22 of the DICOM Standard specifies an SMPTE ST 2110-10 based service, relying on RTP, for the real-time transport of DICOM metadata. It provides a mechanism for the transport of DICOM metadata associated with a video or an audio flow based on the SMPTE ST 2110-20 and SMPTE ST 2110-30, respectively.

The DICOM-RTV compliant flows are synchronized with video and/or audio flows that contain multimedia essences. Association between multiple DICOM-RTV essences is done through transmission of Rendition IOD.