

For Processing CT SOP Classes

**First Read Draft
WG-21**

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BACKGROUND

- Multi-energy CT is expanding, driven by photon counting technology.
- MECT produces “basis images” at specific energy levels.
- X-ray attenuation curves are energy-dependent.
- So many diagnostic “spectral” images can be derived from pairs of basis images
 - Iodine maps, virtual non-contrast images, calcium maps
 - virtual monoenergetic images at various energy levels
- For Processing (Basis) images need to be exchanged and managed
 - Avoid cluttering the reading process with basis images
 - Support radiologist requests for “on demand” spectral images during the reading process.

OVERVIEW

TODO:

- Examples of some spectral images
- Diagram of the dataflow/workflow for Basis images (check existing slide decks)
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