Additive Manufacturing Standards Structure

**General AM Standards**
- Terminology
- Data Formats
- Qualification Guidance
- System Performance & Reliability
- Round Robin Test Protocols
  - Design Guides
  - Test Methods
  - Test Artifacts
  - Safety
  - Inspection Methods
  - etc.

**Feedstock Materials**
- **Material Category-Specific**
  - Metal Powders
  - Ceramic Powders
  - Photopolymer Resins
  - Polymer Powders
  - Metal Rods
  - Polymer Filaments
  - etc.

- **Material-Specific**
  - Titanium Alloy Powders
  - Steel Rods
  - Nylon Powder
  - Nickel-Based Alloy Powders
  - ABS Filament
  - etc.

- **Application-Material-Specific**
  - Aerospace
  - Medical
  - Automotive
  - etc.

**Process / Equipment**
- **Process Category-Specific**
  - Material Jetting
  - Binder Jetting
  - Material Extrusion
  - Vat Photopolymerization
  - Powder Bed Fusion
  - Directed Energy Deposition
  - Sheet Lamination

- **Process-Material-Specific**
  - Powder Bed Fusion with Nylon
  - Directed Energy Deposition with Titanium Alloy
  - Material Extrusion with ABS
  - Powder Bed Fusion with Steel
  - etc.

**Finished Parts**
- **All Finished Parts**
  - Mechanical Test Methods
  - NDE/NDT Methods
  - Post-Processing Methods
  - Bio-Compatibility Test Methods
  - Chemical Test Methods
  - etc.

- **Material-Specific**
  - Titanium Alloy
  - Paper
  - Sand
  - Nylon
  - ABS
  - Aluminum Alloy
  - etc.

- **Application-Material-Specific**
  - Aerospace
  - Medical
  - Automotive
  - etc.

**General Top-Level AM Standards**
- General concepts
- Common requirements
- Generally applicable

**Category AM Standards**
Specific to material category or process category

**Specialized AM Standards**
Specific to material, process, or application