**AM Part Risk Categorization and Relation to Part Criticality**

**For the DOD Guidebook**

**Framing the DOD-Level AM Guidebook**

***AM Part Risk Categorization and Relation to Part Criticality***

**Key Topics**

|  |  |  |  |
| --- | --- | --- | --- |
| **Categories** | **Topic 1** | **Topic 2** | **Topic 3** |
| AM Part Sourcing  Request | AM TDP for supplier to bid/quote | Part qualification and clarification needs or plan | Sufficient AM requirements in request to define acceptance criteria |
| AM Part acceptance  criteria | Non-destructive evaluation criteria | Material properties | AM machine data |
| AM acceptable  sources listings:  delivered AM parts  and feedstock | AM machine / operator / supplier qualification | AM powder qualification | AM process qualification |

**King for a Day**

***AM Part Risk Categorization and Relation to Part Criticality***

**These represent objectives which we intend to solve through the topics above:**

|  |  |  |
| --- | --- | --- |
|  | Topic | Goal / Statement |
| AM Part Sourcing Request | AM TDP for supplier to bid/quote |  |
| Part qualification and clarification needs or plan |  |
| Sufficient AM requirements in request to define acceptance criteria |  |
| AM Part acceptance criteria | Non-destructive evaluation criteria |  |
| Material properties |  |
| AM machine data |  |
| AM acceptable sources listings:  delivered AM parts and feedstock | AM machine / operator / supplier qualification |  |
| AM powder qualification |  |
| AM process qualification |  |

Reference

Collaborate with DLA to integrate AM into appropriate supply chain processes:

1. Ensure that technical data and demand feedback is systematically provided to DLA and appropriate DoD supply organizations.

2. Provide timely response to AM part sourcing requests.

3. Incorporate AM into supply chain information technology and supporting business system processes.

4. Develop and operationalize an interoperable capability enabling DoD entities to procure, securely access, and share AM

technical data using a common technical data framework.

5. Develop common AM technical data standards and requirements and AM part acceptance criteria that enable AM integration

into supply chain.