Manufacturing Division

Technology Committee

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Agenda

- JDMTP AME Taxonomy Alignment and Portfolio Review capability
  - Review Taxonomy construction and definitions of AME taxonomy
  - Provide comment and feedback on coverage and organization
  - Identify manufacturing technology gaps that need to be overcome in order to enable ManTech "joint pursuits"
  - Discuss opportunities to share the message

New How can DMSMS community collaborate with Technology committee on improving awareness and promoting greater application of technology advances for more cost effective resolution of DMSMS issues?
  - DMSMS Commonality Assessment
    - What are the technologies to consider?
  - How can industry be incentivized to be more proactive?

Portfolio Comparison Initial Objectives

- Identify Gaps, Trends and Opportunities
  - ✔ – Define Methods to Understand and Document:
    - Similarities Between Projects in the AME Portfolio
    - Relationship of Projects to Various Thrust Areas
  - ✔ – Prototype Visualization of Results
  - – Verify Methodology with Stakeholders
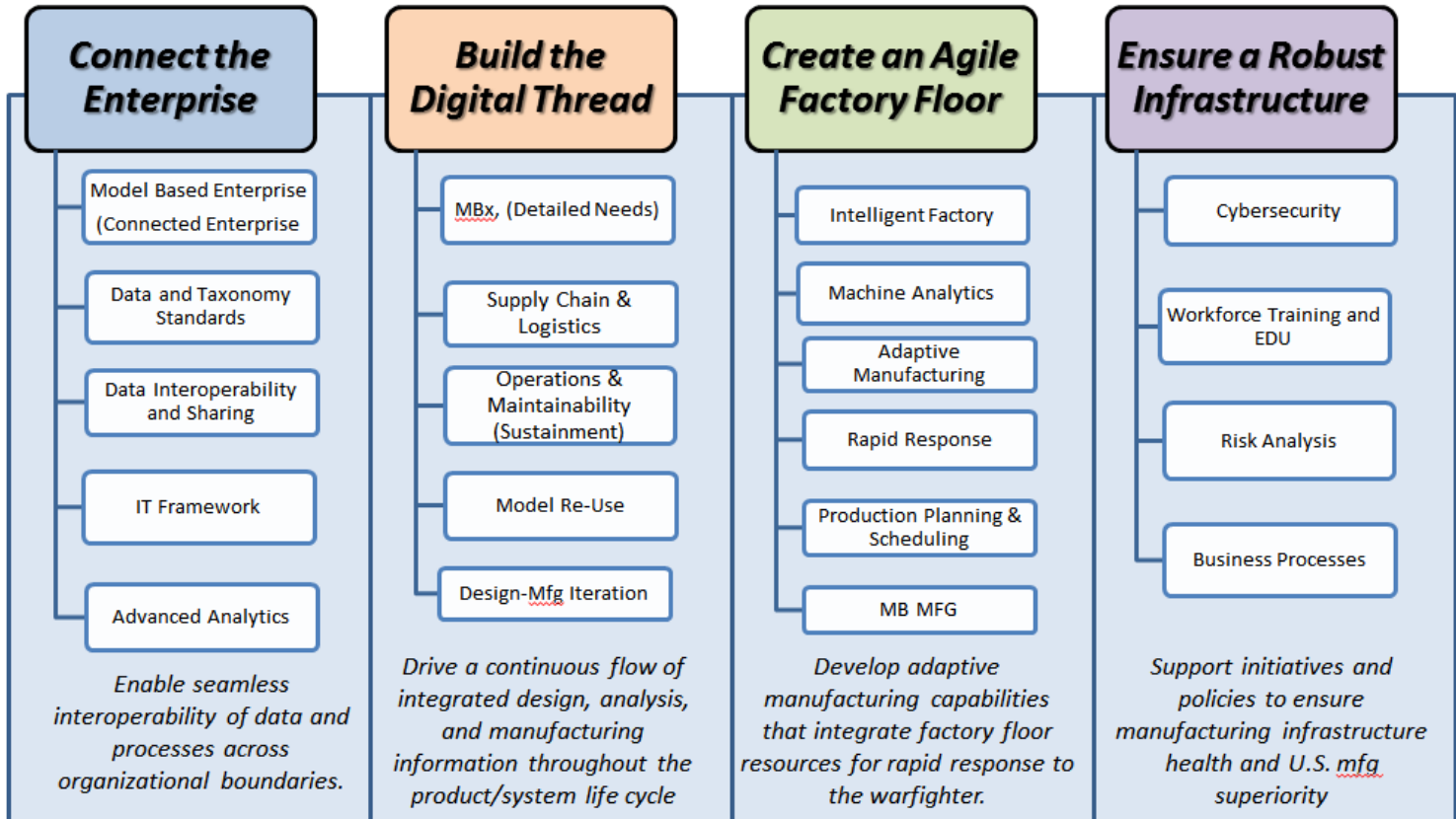 - – Provide Recommendations for Systemization

During Portfolio Reviews, it is apparent many projects are addressing similar issues and fall within one or more of the same thrust areas. While individual projects are so documented, the aggregate relationships are not so easy to visualize and understand

AME Subpanel Taxonomy

AME is a set of robust Manufacturing Strategies & Integrated Capabilities that Enable Productivity Growth and a Highly Connected & Collaborative Enterprise

Connect the Enterprise

- Model Based Enterprise (Connected Enterprise
- Data and Taxonomy Standards
- Data Interoperability and Sharing
- IT Framework
- Advanced Analytics

Enable seamless interoperability of data and processes across organizational boundaries.

Build the Digital Thread

- MBx, (Detailed Needs)
- Supply Chain & Logistics
- Operations & Maintainability (Sustainment)
- Model Re-Use
- Design-Mfg Iteration

Drive a continuous flow of integrated design, analysis, and manufacturing information throughout the product/system life cycle

Create an Agile Factory Floor

- Intelligent Factory
- Machine Analytics
- Adaptive Manufacturing
- Rapid Response
- Production Planning & Scheduling
- MB MFG

Develop adaptive manufacturing capabilities that integrate factory floor resources for rapid response to the warfighter.

Ensure a Robust Infrastructure

- Cybersecurity
- Workforce Training and EDU
- Risk Analysis
- Business Processes

Support initiatives and policies to ensure manufacturing infrastructure health and U.S. mfg superiority

Compare and Associate Projects in MANTECH Portfolio to Technologies and Best Practices

AME Portfolio vs. Thrust Areas/Technologies

Group Identified Strong, Med, Weak Relationships

Back-up Slides

Participants (name, org, email)

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