MUST Military Uniform System Technology Maureen S. MacGillivray, Ph. D. Professor of Apparel Merchandising and Design Central Michigan University Central Michigan University

MUST focuses on:

- Improving collaboration between military and commercial manufacturers
- Developing an integrated knowledge base to improve the design, fielding and sustainment of individual military equipment items



Vision for Military Uniforms and Individual Equipment: *Collaboration*

- Commercial Manufacturers/Industrial base
- Military Service Branches (Army, Navy, Air Force)
- Defense Logistics Agency (DLA)
 to ensure that all segments have the most
 recent valid data on hand to make the best
 operational and financial decisions to support
 the Warfighters



Commercial Manufacturers Role

- Provide updated information to the DLA and the Services
- Provide current test results for individual lot numbers to meet MILSPEC requirements
- Supply the required technical support to DLA and the Services to incorporate their products into the finished good items



Military Service Branches Role

- The individual Services (Army, Navy, Air Force) still maintain the design, testing and initial fielding of the items
- Provide components and product descriptions for uniforms and accessories



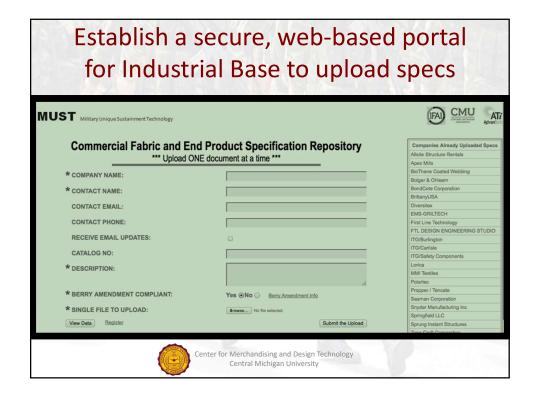
DLA <u>Troop Support Role</u>

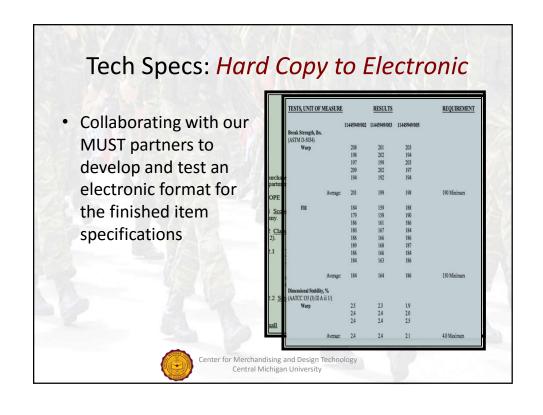
- DLA TS is the "Group Purchasing Organization (GPO)" for the Services; lead supply chain and logistics functions
- Procurement process
- Technical support
- Communications link between the Services



Provide the *infrastructure* to allow for knowledge transfer between the Fabric Manufacturers, Testers, End-Item Manufacturers, Finishers and DLA / Military Services







Repository Benefits

- Provide DLA TS and Services with current and future specifications which could reduce the requirement for sources sought
- Provide Fabric Manufacturers with current testing requirements for MILSPECS
- Provide for detailed test results
- · Expand competition and industrial base

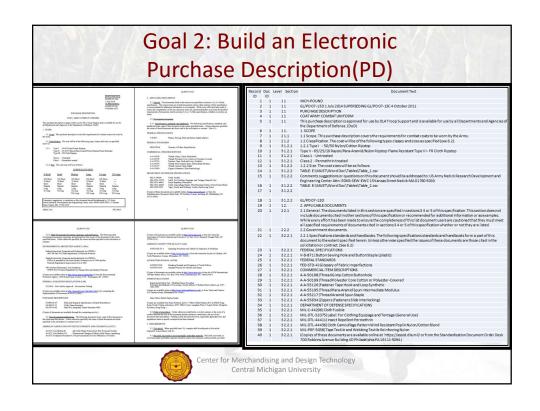


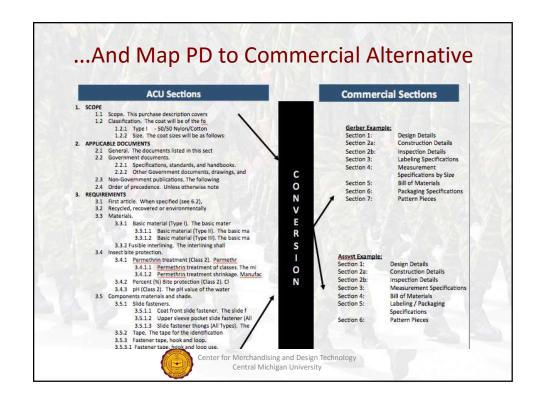
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Test Results Documentation

- Can be uploaded into the Repository
- Repository generates a DD1222 form and documentation for the DLA Testing Center
- DLA Testing Center can complete the DD1222 form and pass/fail the lots





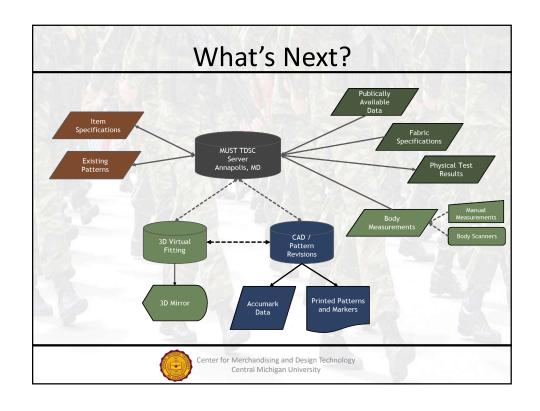


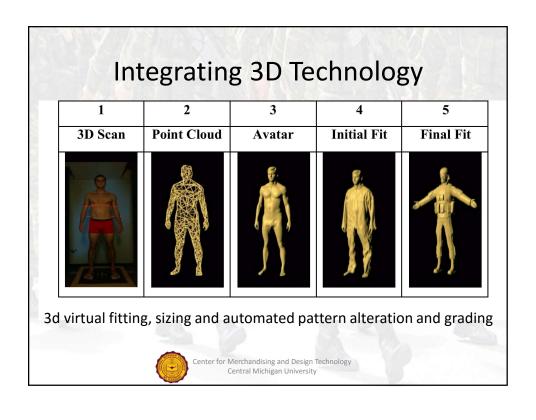
Benefits of Electronic Purchase Description and Commercial Alternative

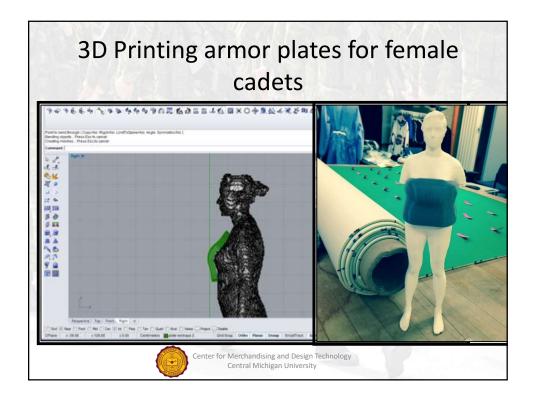
- End-item manufacturers can substantially reduce the manual handling of the Purchase Description
- Automatically integrate information from external sources into the commercial output
- Provide mechanism for new manufacturers to enter into military market
- Provide feedback back for potential improvements to current and future Military Purchase Descriptions











Future Focus

- How can these technologies operate in real world environments?
- Expand the TDSC to demonstrate these technologies and their output in real-time
 - Industry partners
 - Universities
 - Military End users
- Using web based technologies



