

DEFENSE LOGISTICS AGENCY

Tent Network for Technology Implementation (TENTNET)

presented to the

Joint Committee on Tactical Shelters

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★
Warfighter
Support Enhancement

★
Stewardship
Excellence

★
Workforce
Development



Agenda



- TENTNET Program Overview Leo Plonsky
- Surge Manufacturing Optimization Bill Kernodle
- Buffer Stock Decision Tool Rupy Sawhney
- DLA E-Mail Website Jim Vitrano



DLA's Mission Supporting the Warfighter



DLA is DoD's combat logistics support agency. Our mission is to provide best value integrated logistics solutions to America's Armed forces and other designated customers in peace and in war, around the clock, around the world.





Full Spectrum Global Support



Supply Chains

- Subsistence
- Fuel/Energy
- Land Systems
- Maritime Systems
- Aviation Systems
- Medical
- Clothing & Textile
- Construction & Equip

Theater Support

- DLA Europe
- DLA Pacific
- DLA Central
- DLA Africa



USNORTHCOM



USEUCOM



USCENTCOM



USPACOM



USSOUTHCOM



USAFRICOM

Distribution

- Defense Distribution Center
- 25 Distribution Centers

Reutilization & Disposal

- Defense Reutilization & Marketing Service
- Reverse Logistics

Stockpile

- Defense National Stockpile Center

DLA Services

- Document Automation & Production Service
- Defense Logistics Information Service
- Defense Automatic Addressing System Center



DLA Customer Support



- **A \$36.8 Billion global enterprise**
- **Supports nearly 1,600 weapon systems**
- **Provides 84 percent of all Military Services' repair parts**
- **Managing 4.8 Million separate line items via eight supply chains**
- **Foreign Military Sales**
 - **Projected Sales Fiscal Year 2009: \$1.53 Billion**
 - **Shipments: 570,000 per year**
 - **Supporting 115 Nations**
- **Provides 100 percent of:**
 - **Fuels**
 - **Food**
 - **Clothing and Medical Supplies**
 - **Construction Material**
- **Worldwide Presence:**
 - **More than 25,000 civilian, active duty, and reserve employees**
 - **28 countries and 48 states (except Vermont and Iowa)**





The Tent Problem



- Sewn products industrial base is shrinking.
- Tent industrial base has experienced difficulties ramping up production to meet surge requirements.
- Low volume has perpetuated antiquated manufacturing technologies – no incentive to upgrade.
- **Result = long lead times and increased cost**

R&D is needed to tackle manufacturing and supply chain logistics problems.



The TENTNET Program



- Sponsored by the DLA R&D program office, J-332
- Funding: \$1M per year
- Period of Performance: FY05 - FY12
- Members: DLA, Services, Industry & Academia
- Customers
 - Ultimately: the Warfighter
 - More immediately: the DLA Clothing & Textile Supply Chain and the Shelter Industrial Base

Purpose: To identify, validate and transition technology and process improvements that will increase the tent industry's ability to be self-sustaining and to meet surge requirements.



TENTNET Program Approach



- Use collaboration to identify and resolve supply chain problems
 - Utilize short-term projects to conduct R&D
- Focus on meeting surge requirements
 - Reducing lead time
 - Increasing standardization in the industry
 - Updating antiquated manufacturing technologies
- Key Performance Metric
 - Industrial base implementation of advanced manufacturing and supply chain technologies



TentNet Team Partners



DLA

- Terri Scheetz, C&T
- LouAnne Graham, C&T
- Jimmy Vitrano, C&T
- Luis Villarreal, HQ
- Robert Harding, HQ
- Matt Ryan, Contract Support Office
- Leo Plonsky, Logistics R&D

Other DoD

- USMC PM, Chem Bio & Shelters Pgm
- Army PM, Force Sustainment Systems
- Joint Committee for Tactical Shelters (JOCOTAS)

Industry and Academia

- AC Inc.
- Anchor, Inc.
- Bearing Point
- BondCote
- Clemson University
- Diamond Brand
- FTL Design Engineering
- Johnson Outdoors
- Northrop Grumman
- Outdoor Venture
- RFD Beaufort
- TopTec Tent
- University of Tennessee



Current Projects



- Developing a simulation tool to optimize inventory investments for improved surge
 - Developing an automated manufacturing equipment to increase surge capability
 - Improving e-commerce capability in order to increase ordering of MILSPEC tents
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Summary



- TENTNET addresses a real warfighter problem
 - provides opportunities to positively impact the industrial base
- The program provides collaboration opportunities
 - between government customers, the industrial base, and academia
 - facilitates rapid formation of partnerships and subcontracts



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