Joint Service Lightweight Integrated Suit Technology (JSLIST) Ensemble

Joint Project Manager – Individual Protection

CB Individual Protection Conference

March 2006
Agenda

• JSLIST Status
• Schedule
• Funding
• Issues and Challenges
• Industrial Transition
JSLIST Status
Fielded Items

• JSLIST Suits
• Multi-Purpose Overboot (MULO)
• JSLIST Block 1 Glove Upgrade (JB1GU)
• Navy Urgent Need Overboot
JSLIST Status
RDT&E

• JSLIST Block 2 Glove Upgrade (JB2GU)
- JB2GU will satisfy JSLIST and JPACE requirements not met in JB1GU
  - JB2GU & AFS: Super WIPT
  - Technical approach for follow-on increments

• In field testing

• MS C scheduled for Dec 2006
Joint Program Executive Office for Chemical and Biological Defense

JSLIST Status
RDT&E

• Alternative Footwear Solutions (AFS)
  – AFS will meet need for multi-size capable overboot with minimal size and weight
  – AFS & JB2GU: Super WIPT
  – Limited early fielding to USMC

• In field testing

• MS C scheduled for Dec 2006
JSLIST Status
RDT&E

• Integrated Footwear System (IFS)
  – IFS will meet need for foot protection without added weight or bulk
  – Program includes Market Investigation on integration of CB protection into standard Service combat footwear

• In laboratory testing
• MS C scheduled for Oct 2006
JSLIST Status
RDT&E

• JSLIST Spiral Development
  – Address OIF Lessons Learned
  – Addressing only Government design

• In program initiation
JSLIST Status
Market Survey

• JSLIST C/B Coverall for CVC (JC3)
  – JC3 meets Combat Vehicle Crew need for chemical protection that is not degraded by POLs
  – JPACE or JC3 may be outcome

• In field testing

• Production decision scheduled for 1Q/FY07
JS LisT Status
Market Survey

- JS LisT Additional Source Qualification (JASQ) Approved Materials List (AML)
  - Qualify additional sources for JSLIST Approved Material (JAM)
  - Reduce garment cost by introducing competition
  - Mitigate potential risk of interruption of foreign sources of supply

- In field testing

- JPM-IP decision scheduled for Mar 2007

Duro Textiles LLC
Kentucky Textiles, Inc.
Milliken & Company
Lantor Inc.
GENTEX Corporation
W.L. Gore & Associates, Inc.
Donaldson Company Inc.
LANX Fabric Systems
Texplorer GmbH
JSLIST Status

• **JASQ Unique Candidate**
  – Investigate materials and unique designs
    • Reduced Weight and Volume.
    • Reduced Heat Stress
    • Resistance to Petroleum, Oils, and Lubricants (POLs)
    • Low Cost Flame Resistance
  – Design and material could feed into future efforts

• **In laboratory testing**
## Program Schedule

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Milestone B  Milestone C  IOC
## Funding

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JSLIST Issues and Challenges

• Schedule: Test Resources
• Funding: None, but industrial base implications
• Performance:
  – Heat Stress Reduction
  – Glove Tactility/Dexterity
  – Low Cost Flame Resistance
  – Chemical Defense Training Facility (CDTF) Requirements
Future Influences

- NGA & TIC data
- Nanoparticle and Nanofiber Market Survey
- Foreign services Market Survey
- Super WIPT
- Program Director, Test and Evaluation Systems Support
- Modeling