



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**





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**





JSLIST Status Market Survey

- **JSLIST Additional Source Qualification (JASQ) Approved Materials List (AML)**
 - Qualify additional 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

Project	FY04	FY05	FY06	FY07	FY08
JB1GU	FIELDING				
JB2GU	Milestone B	Milestone C		Milestone C, IOC	
AFS	Milestone B	Milestone C		Milestone C, IOC	
IFS	Milestone B	Milestone C		Milestone C, IOC	
JC3		Milestone C		IOC	
JASQ AML		Milestone C			
JASQ UNIQUE		Milestone C			
Spiral Development			Milestone C		

Milestone B

Milestone C

IOC



Funding

	FY05	FY06	FY07	FY08	FY09	FY10	FY11
PROC	98.2	37.1	31.4				
R&D	4.7	5.1	3.4	1.0			
JCE R&D				2.9	11.9	8.9	13.9



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**