



**Joint Service Lightweight Integrated
Suit Technology (JSLIST)
Block 2 Glove Upgrade (JB2GU)**

9 April 2003

**Doug Bryce
Joint Program Manager
Nuclear, Biological and Chemical
Individual Protective Equipment
(703) 432-3197
BryceDW@mcsc.usmc.mil**

- **Program Overview**
- **Employment, Requirements, Acquisition Objectives**
- **Schedule**
- **Technology Barriers**
- **Industry Opportunities**
- **Summary / Challenges**

JB2GU Overview

- **JB2GU is intended to be a modified COTS/R&D effort to satisfy the warfighter's needs:**
 - **The JB2GU system will replace the current military Chemical, Biological, Radiological, Nuclear (CBRN) protective gloves within the JSLIST and Joint Protective Aircrew Ensemble (JPACE) ensembles**
 - **JB2GU optimal solution is for a single glove or glove system to meet all requirements**

Employment Concept

- **JB2GU replaces current CBRN protective gloves**
- **When worn with the protective ensemble, JB2GU will allow the warfighter to perform the full range of missions in CBRN environments worldwide**
- **JB2GU is required to fully integrate with the sleeves of the JSLIST and JPACE ensembles**
- **JB2GU will be compatible with cold weather and other outer gloves that may be worn over the JB2GU**
- **JB2GU will provide 24 hours of protection after 30 days of wear and provide flame resistance for aircrew and vehicle crew members**

Requirements

- **JB2GU will meet the requirements of the JSLIST and JPACE Operational Requirements Documents (ORDs). The JB2GU shall:**
 - Provide protection against HD, GD, GB, and VX chemical agent challenges: 10 gm/m² liquid; 5000 ct vapor and aerosol
 - Provide 24 hours CB protection after 30 days of wear
 - Provide protection against Alpha/Beta dusty particles
 - Be resistant to Petroleum, Oil, and Lubricants (POLs)
 - Be flame resistant
 - Provide greater comfort, dexterity and tactility over current glove
 - Reduce sweat retention when compared to the current glove
 - Be compatible with sleeves of JSLIST and JPACE ensembles
 - Fit 5th percentile female – 95th percentile male with minimum sizes
 - Weigh less than 170 grams
 - Have minimum 5 years' shelf life

Quantities / Funding

- **Joint Acquisition Objective (AO):**

Army	500,000
Navy	1,835,400
Air Force	1,430,737
Marine Corps	687,606
SOCOM	<u>161,528</u>
	4,615,271

- **JB2GU Funding (based on FY 04 President's Budget)**

- Research and Development funds programmed for FY03-05
- Procurement funds programmed for FY06-09

Schedule

- **RFI Posting** 3rd Qtr FY03
- **Industry Day** 3rd Qtr FY03
- **Release RFP** 4th Qtr FY03
- **Developmental Test I** 3rd-4th Qtr FY03
 - Tech Review
 - Human Factors
 - Physical Property
 - Field User Evaluation
 - Chemical Test
- **SSTEB Recommendation** 2nd Qtr FY04
- **Govt/Industry Meeting** 2nd Qtr FY04
- **BAFO** 2nd Qtr FY04
- **Production Rep. Items** 2ND-3RD Qtr 04

Schedule

- **Developmental Test II** 2nd Qtr FY03 – 1st Qtr FY04
 - FDDT
 - Qualification Test
- **DT Final Report/Evaluations** 1st Qtr FY05
- **MS C** 2nd Qtr FY05
- **Low Rate Initial Production (LRIP) Contract** 2nd Qtr FY05
- **Deliver LRIP Test Articles** 2nd Qtr FY05
- **Operational Test and Evaluation** 2nd-4th Qtr FY05
- **Full Rate Production (FRP)** 2nd Qtr FY06
- **Initial Operational Capability (IOC)** 2nd Qtr FY06

Technology Barriers

- Probable limit in technology advancements between JB1GU end and JB2GU start

Industry Opportunities

Time Period

**RFI seeking product information
and/or samples**

3rd Qtr FY03

Industry Day

3rd Qtr FY03

RFP

4th Qtr FY03

Summary / Challenges

- **JB1GU Acquisition Strategy was designed to rapidly field an improved chemical protective glove to meet SOCOM requirements with the other Services as Interest only**
- **JB2GU seeks to leverage the test and development efforts of the JB1GU program by determining the level of investment needed to modify the existing COTS items vs. developing other COTS/GOTS technologies that could provide increased capabilities over current JB1GU candidates**