



Joint Service Chemical Environment Survivability Mask (JSCESM)

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**
- **Industry Opportunities**
- **Summary / Challenges**

JSCESM Overview

- **The JSCESM is a one time use, limited protection, respiratory protective mask for Special Forces and special purpose uses.**
- **The JSCESM mission is to provide a lightweight/disposable mask that offers 2-8 hours of respiratory and face protection against vapor and aerosol chemical/biological (CB) agents, low levels of contamination, as well as protection against minimal levels of liquid contamination.**
- **The JSCESM program has a Block acquisition approach and commercial solutions are being sought.**

Employment Concept

- **The JSCESM offers the flexibility for employment in a number of operational and real-world scenarios such as:**
 - **Special Operations**
 - **Operations Other Than War (OOTW)**
 - **Low NBC Threat**
 - **Medical care providers and patients**
 - **Emergency evacuation of collective protection shelter/aircraft**

Requirements

Key Performance Parameter	Block I	Block II
	Threshold and Objective	Threshold and Objective
JSCESM Protection	Provide 2 hours (6 hours [O]) of continuous above-the-neck protection against low-level Chemical, Biological, Radiological threats.	Provide 6 hours (8 hours [O]) of continuous above-the-neck protection against low-level Chemical, Biological, Radiological (TIMs [O]) threats.
JSCESM Drinking Capability	N/A	Provide the wearer with a durable drinking capability, capable of interfacing with current drinking systems [T]. Intake at not less than 200 ml/min without breaking seal or loss of protection.
JSCESM Wearability and Comfort	The JSCESM will be one-size-fits-all.	The JSCESM will be one-size-fits-all .
Compatibility	N/A	The JSCESM will be no larger than 128 cubic inches (50 cubic inches [O]) [T].

Quantities / Funding

- **Joint Acquisition Objective (AO): TBD**
- **JSCESM Funding (based on FY03 Pres Budget)**
 - **Research and Development funds programmed for FY03 and 04**
 - **Requesting FY05 procurement funds for initial quantities**
 - **Operating forces will purchase with operations and maintenance funds after initial quantities purchased**

Schedule

- **Industry Day held on 11 Jul 02**
- **Program Schedule under development.**

Industry Opportunities

- **System Demonstration contract for 1500 test articles.**
- **Anticipate production contract in excess of 100K systems for initial buy.**
- **Solicitation Information available on Army Single Face to Industry Website @ <https://abop.monmouth.army.mil>**

Summary / Challenges

- **The JSCESM is a one time use, limited protection, respiratory protective mask for Special Forces and special purpose uses.**
- **Program is in beginning phase of execution.**