



Joint Chemical Ensemble (JCE)

(Caveat: This is a JPM IP Concept Brief. What JCE is or is not requires additional coordination with all involved DoD agencies)

Joint Project Manager – Individual Protection

CB Individual Protection Conference

March 2006



Agenda

- **Capabilities Documentation**
- **Program Influences**
- **Program Description**
- **MOSA Concept**
- **Warfighting Mission Areas**
- **Notional System Relationships**
- **Proposed RDT&E Contract Concept**
- **Proposed Production Contract Concept**
- **Funding**



Capabilities Documentation

- Initial Capability Document (ICD) not yet established
- ICD capability gaps based on the “Chemical, Biological, Radiological, And Nuclear Defense (CBRND) Functional Needs Analysis/Functional Solutions Analysis”, Final Report dated December 2005. **FOR OFFICIAL USE ONLY**



Program Influences

- **Market Surveys**
- **Performance Based Logistics (PBL)**
- **PD TESS Efforts. Validate improved range of agent protection; reduce heat stress through using absolute protection values that allows trade offs. Ties into JPM IP Modeling strategy.**
- **Advanced Technology Demonstration of a Modular Chemical/Biological Protective System.**
- **JPM IP Ongoing Programs**



Program Description

- **Family of Systems. Capabilities across mission spectrum.**
 - Warfighter Mission Areas
 - Counterproliferation
 - Consequence Management
- **Dual Use Capabilities.**
 - Federal Departments (DoD, DHS, DOJ)
 - State and Local Authorities



MOSA Concept

A **system** –
is a collection of
interacting...

...**subsystems** –
which are collections of
interacting...

...**components** –
either hardware, software,
or human, ...

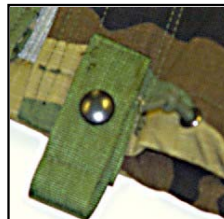
SUBSYSTEMS

SUBSYSTEMS

SYSTEM



COMPONENTS



...that are connected by **interfaces** –
to support the interchange of information, activity, or
material essential to the functioning of the system.



Warfighter Mission Areas

GROUND

AVIATION

LAND-BASED & SHIPBOARD C2

INFANTRY MECH SpecOps

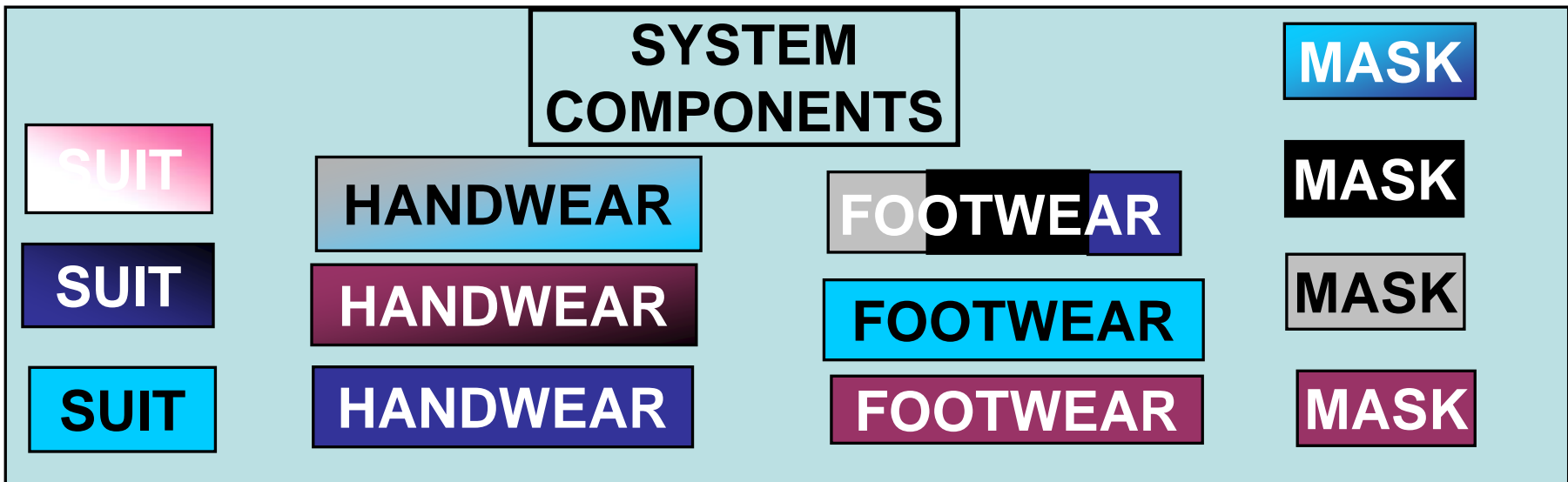
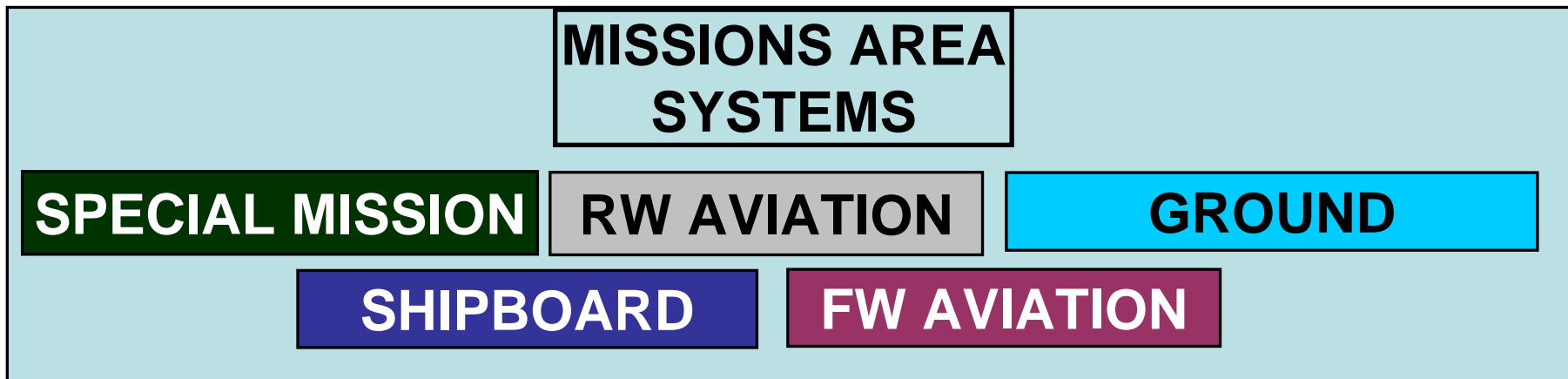
FIXED WING + ROTARY WING

- Amphibious Ops
- Reconnaissance
- Ground Fires
- Heavy Mech.
- Light Mech
- Air Defense
- Combat Engineering
- MOOTW
- Maintenance
- Supply
- Health Services
- AT/FP
- Transportation
- Deliberate Engineering
- Services

- Strike/Interdiction
- Air-to-Air
- Close Air Support
- Maritime Patrol
- Air Reconnaissance
- Airborne Early Warning (AEW)
- Electronic Warfare (EW)
- Anti-Surface Warfare (ASU)
- Anti-Submarine (ASW)
- Search and Rescue (SAR)
- Transport
- Medical Evac
- Assault Support



Notional System Relationships





Proposed RDT&E Contract

- **Initial concept: hybrid type contract**
 - **Firm Fixed Price**
 - **Cost Plus Fixed Fee**
 - **Time and Material**

- **Competitive Acquisition**
 - **FAR Part 15**
 - **Cost and Pricing Data**

- **A defined unsolicited proposal process will be in place**



Proposed RDT&E Contract (continued)

- **Best Value Procurement**
 - **Technical Proposal**
 - **Past Performance**
 - **Price**
- **Indefinite Technical Services**
 - **Team Approach (polymers, textiles, membranes, nano-technology)**
 - **Concept Refinement/Design Development**
 - **Prototyping**
 - **Technical Data Packages, Specifications, Training Products**
 - **Packaging/TAV**



Proposed RDT&E Contract (continued) Tentative Timeline

- Request for Information January 07
- Sources Sought Synopsis March 07
- Industry Day (Pre-proposal conf) April 07
- Draft Request for Proposal June 07
- Final RFP August 07
- Proposals Due October 07
- Contract Award January 08



Production Contract

- **2011?**
- **Performance Based Logistics**
- **Product Support Integrator**
 - **Supply Chain Management**
 - **Warehouse Management**
 - **Distribution and Direct Vendor Delivery**
 - **Total Asset Visibility**
 - **Total Life Cycle Management**
- **Incorporates All JPM-IP Legacy Items**



JCE Funding

	FY08	FY09	FY10	FY11
JCE R&D \$M	2.9	11.9	8.9	13.9



Questions