



The Joint Requirements Office, CBRN Defense

Collective Protection Requirements

**NBC Defense Collective Protection Conference
(COLPRO 02)
29 October 2002**

Purpose



To provide an overview of the Joint Requirements Office for CBRN Defense

and

To identify near- and far-term military collective protection requirements

Outline



- **JRO-CBRN Defense Charter**
- **User Requirements**
- **Current COLPRO ORDs**
 - CBPS
 - CPDEPMEDS
 - JTCOPS
- **Joint Future Operational Capabilities**
 - Mobile Collective Protection
 - Transportable Collective Protection
 - Fixed-Site Collective Protection
- **Summary**

JRO – CBRN Defense Charter



- **Single office within DOD responsible for the planning, coordination, and oversight of joint CBRN defense operational requirements**
 - **Develop and maintain the CBRN defense Overarching Operational Concept and the CBRN defense Modernization Plan**
 - **Represent the Services, Combatant Commanders, and Joint Staff in the requirements generation process and act as their proponent for coordinating and integrating CBRN defense operational capabilities**
 - **Develop DOD CBDP POM with acquisition community support**
 - **Facilitate the development of joint doctrine and training and sponsor the development of multi-service doctrine**
- **Serve as the CJCS' source of expertise to address all issues involving CBRN defense within passive defense, consequence management, force protection, and homeland security**

User Requirements



- **Users generate an Operational Requirement Document (ORD) to fulfill a current capability deficiency**
 - Guides the materiel developer
- **Users identify and prioritize far-term capability requirements via the Joint Future Operational Capabilities (JFOC) report**
 - Guides the S&T community

Current COLPRO ORDs



- **Chemical/Biological Protective Shelter (CBPS)**
- **Chemically Hardened Air Transportable Hospital/Chemically Protected Deployable Medical Systems (CHATH/CPDEPMEDS)**
- **Joint Transportable Collective Protection System (JTCOPS)**

CBPS



- **Operational Concept:**
 - Forward medical treatment facility, CB hardened
 - Pre-MEDEVAC patient stabilization and protection
 - Stand-alone (dedicated primary mover) and self-sufficient operations
 - Highly mobile, versatile and expandable
- **Capabilities Required:**
 - Provide toxic-free area for 32 hrs (72 hr objective)
 - Up to 10 ambulatory and litter entries and exits per hour
 - Self-contained or prime mover power source
 - Integrated with automatic detection, alarm and response systems
 - Accommodate 8 med personnel and 8 patients when complexed

CPDEPMEDS



- **Operational Concept:**
 - CB hardened hospital
 - Medical operations in a toxic environment
 - Triage, casualty handling and decon capabilities
 - Multiple patient care beds, operating rooms and medical support services
- **Capabilities Required:**
 - 72 hr continuous operation in CBRN environment
 - 10-30 ambulatory and litter patient entries per hour with surge requirement
 - No more than one hour max activation time after set-up
 - Redeployable within 72-96 hours
 - Interface w/ available utilities (sewer, water, electricity)

JTCOPS



- **Operational Concept:**
 - Sustain med/non-med OPTEMPO in CBRN environment
 - Contamination control area (CCA) and toxic-free area (TFA) for processing contaminated personnel
 - Relief from individual protection induced stress
 - Stand-alone and integrated capabilities
- **Capabilities Required:**
 - Protect against acute and cumulative CBRN threat hazards
 - 30 day continuous protection in contaminated environment
 - Personnel and litter entry/exit (CCA and TFA)
 - Compatible w/ ext. power, comms and water sources
 - Set-up in 30 minutes and takedown in 60 minutes
 - Not to exceed 500 lbs with 1.7 m³ (packaged)



Joint Future Operational Capabilities



- **CBRN Defense JFOCs currently encompass Battlespace Management Contamination Avoidance, Individual and Collective Protection, and Restoration**
- **For Collective Protection:**
 - **Protect Joint Force (including casualties) in CBRN threat environments**
 - **Allow near-normal safe, efficient and effective operations**
 - **Support medical and non-medical missions**
 - **Mitigate need for individual protection postures**
 - **Enhance protection of existing & future assets and facilities**
 - ***Mobile, Transportable and Fixed-site applications***

Mobile Collective Protection



- **Combat/support Vehicles, Aircraft, Ships, Vans and other Mobile Enclosures**
- **No mission degradation of mobile unit**
- **Temporary protection**
 - Retrofit legacy mobile assets
- **Permanent protection**
 - Developmental and future mobile unit assets
 - Organic to and synergistically integrated w/ combat mission and support functions



Transportable Collective Protection



- **Shelters, Tents (med/opns) and other Enclosures**
- **No mission degradation of transportable unit**
- **Temporary protection**
 - Auxiliary (add-on) components
 - Supports transportable configurations that lack capability
- **Permanent protection**
 - Developmental and future transportable unit assets
 - Organic to and synergistically integrated w/ combat mission and support functions



Fixed-Site Collective Protection



- **Buildings, C3 centers, Logistics nodes, other Fixed configurations**
- **Safe, toxic-free environment**
- **Temporary protection**
 - Retrofit existing facilities
- **Permanent protection**
 - Organic integrated protection
 - Theater and strategic levels
 - Key areas of operation (e.g. air and sea ports of debarkation and embarkation)

Summary



- **JRO maintains ORDs for current materiel needs and publishes JFOCs for far-term requirements**
- **Commodity Area Managers and Program Managers work with ORDs to develop materiel solutions**
- **Business Area Managers work with JFOCs to guide the S&T community on future capability requirements**



Questions?