



## Software Support Activity

### SSA

#### Description

The Joint Program Executive Office for Chemical and Biological Defense (JPEO-CBD) SSA is a service-oriented organization from which JPEO-CBD Joint Project Managers (JPMs), Directorates, developers, and Warfighters can obtain timely and professional assistance to enable fielding of more efficient, common, and consistently superior interoperable and integrated Chemical, Biological, Radiological, & Nuclear (CBRN) capabilities.

#### Mission

The JPEO-CBD SSA supports enterprise-wide services and products to facilitate net-centric interoperability and integration of CBRN capabilities into the DoD system of systems. The SSA provides the CBRN Warfighter with Joint solutions for Integrated Architectures.

#### Capabilities

- ❑ Standards and Policy  
Works with JPMs to reduce time, costs and risks acquiring software capabilities for the Warfighter. Provides standards, formats, templates, training and best practices to support practical compliance with laws, regulations, and policy for acquisition, certification, and sustainment of net-centric, interoperable, and spectrum dependent systems and devices. Facilitates integration of modeling and simulation, and test and exercise activities.
- ❑ Architecture  
Manage and maintain the JPEO-CBD Common CBRN Sensor Interface (CCSI) and Net-Centric Assessment Programs. Creates, implements, validates, maintains, and continually shapes a set of standard, enterprise-wide integrated CBRN Family of Systems architectures. Assists in development of acquisition program documents by providing early architecture products for inclusion and assists in the analysis and management of acquisition programs by producing architectural products that visualize system and program interdependencies, and helps to expose gaps and needs.
- ❑ Data Management  
Helps programs achieve a mandated net-centric environment by providing enabling tools, such as the CBRN Data Model and Data Dictionary, which define Common CBRN semantics and syntax, a JAR file for Java developers, and the CBRN eXtensible Markup Language (XML) Schemas, which define re-usable XML types for information exchange throughout the enterprise. Develops XML Schema subsets for programs to accomplish specific data exchanges. Develops web service prototypes and training to illustrate how to implement the CBRN XML Schema. Facilitates CBRN Community of Interest (COI) meetings.
- ❑ Information Assurance (IA)  
Provides technical expertise in managing information-related risks in enterprise architectures, acquisition strategies, and testing and evaluation, and in achieving IA certification and accreditation.
- ❑ Customer Services  
Provides transition management of CBRN Common Services and Components, including design, specification, architecture, framework, developer's guidance, acquisition guidance, and net-centric CONOPS.
- ❑ Science and Technology  
Innovates, analyzes, manages, reports, and implements various efforts in the science and technology areas, to harness their potential to improve policies in support of CBRN systems for the Warfighter.

#### Users

USSOCOM, US Navy, US Marine Corps, US Coast Guard, US Army, US Air Force

#### Status

Production and Deployment

This Fact Sheet was cleared for public release on 10/19/2010.

Point of Contact: Chemical, Biological, Radiological, & Nuclear Information Resource Center (CBRN IRC), [cbrn@conus.army.mil](mailto:cbrn@conus.army.mil),  
Toll Free: 1-800-831-4408, Commercial: (309) 782-7349, DSN: 793-7349, Fax: (309) 782-1919