

ENGINEERING DIRECTORATE

The Engineering Directorate operates under the auspices of the Edgewood Chemical Biological Center (ECBC). The Directorate has over 600 people with the main offices located on the Edgewood Area of Aberdeen Proving Ground, MD with additional personnel stationed at Rock Island, IL. Additionally, Engineering Directorate personnel directly support the Joint Project Managers under the Joint Program Executive Office for Chemical and Biological Defense (JPEO-CBD), as well as numerous other government organizations.

Our Engineering Team drives technology transition from research to engineering development and transitions materiel from engineering development through production, fielding and sustainment. Our highly trained workforce is committed to responsive customer service and is knowledgeable about current and evolving technology and capabilities worldwide.

We use our unique infrastructure, engineering expertise and lifecycle services to solve chemical and biological (CB) defense challenges for the Warfighter and Homeland.

MISSION

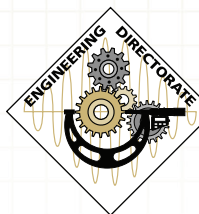
Provide unique infrastructure, engineering expertise and lifecycle services to solve Chemical and Biological challenges for the Warfighter and the Homeland.

VISION

First Stop for Chemical and Biological Defense Solutions



ECBC is the principal research, development and engineering center for non-medical chemical and biological defense. ECBC is an organizational element of the Army's Research, Development and Engineering Command, which reports to the Army Materiel Command. ECBC develops technology in the areas of detection, protection and decontamination and provides support over the entire materiel lifecycle—from basic research through technology development, engineering design, equipment evaluation, product support, sustainment, field operations and disposal.

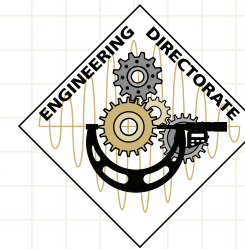


ECBC ENGINEERING

Design→Build→Test→Support

The Edgewood Chemical Biological Center Engineering Directorate is here and available to assist you with Design, Build, Test & Support Solutions for Chemical and Biological Defense Needs.

Please call 410.436.5600 or e-mail ecbc.engineering.directorate@conus.army.mil



ECBC ENGINEERING

Design→Build→Test→Support

ECBC PACKAGING BRANCH



PUBLIC RELEASE





PACKAGING, HANDLING, STORAGE AND TRANSPORTATION



The transportation and storage environments that military items can be exposed to are extreme.

Military packaging is designed to offer protection to items in any environment in the

world. Many times there are no available warehouse facilities. Military packaging must provide protection from the environment without any additional storage protection. Unlike commercial distribution chains, items in the military distribution chain are exposed to multiple handlings and modes of transport (from land, to sea, to air) and can be exposed to shock, vibration, high humidity, rain, snow and temperatures that are not seen by commercial products. Military packaging is expected to provide this protection and survive **for at least 10 years**. Each contract must consider the final destination of the item and contain the requisite packaging requirements.

As a critical element of logistics, packaging must be considered throughout the lifecycle. During Research and Development (R&D), the design should be concurrent with item design. Packaging efforts for production and transition, to organic support must be planned in advance. No matter how good the product, poor packaging planning can result in damage, rendering it useless to the Warfighter, or delays that affect readiness. Validated packaging designs must satisfy related requirements of the Initial Capabilities Document (ICD) and the Acquisition Strategy. Storage, delivery and transport needs are critical.

As a fee for service specialty area, we can tailor our support based on your current need and funding, and project additional support for future program phases. With over 165 years of combined military packaging experience throughout all lifecycle phases, **Edgewood Chemical Biological Center's (ECBC) Packaging Branch** stands ready to support the Department of Defense (DoD) and Homeland Defense (HD) packaging issues. The Packaging Branch offers expertise in multiple



areas of design, build, test and support for unique needs of the Warfighter. The Packaging Branch also has years of experience with Configuration Management (CM) of packaging and related data, boots-on-the-ground support, hazardous material expertise for transportation and general consultation for any packaging needs. Testing needs are addressed through branch representatives on each program or commodity area.

OUR PRODUCTS AND SERVICES

- Packaging design
- Packaging acquisition services throughout the lifecycle
- Complete contract development, monitoring, consulting and assistance
- All packaging documentation is configuration controlled and field accessible
- Hazardous material expertise in certification of shipments, packaging design and test for compliance
- Packaging design evaluation and on-site support for test planning and reporting, validation of new designs and first article test activities
- Retrograde support
- Field support
- Training in blocking and bracing
- Represent ECBC on Army Packaging Policy Group with support to chair in G-4
- Member of standardization organizations
- Certified Military Packaging Professionals
- Provide Joint Independent Logistics Assessments (JILA) for Packaging, Handling, Storage and Transportation (PHS&T)

PROVIDING WORLD-CLASS PACKAGING PRODUCTS AND SERVICES



The **ECBC Packaging Branch's** ability to provide direct packaging assistance to the Warfighter is the most gratifying part of our mission. The branch has supported troop movements from U.S. locations into war zones.

We have provided on the ground packaging support to *Operations Desert Shield, Desert Storm and Iraqi Freedom*. Several foreign governments have also hosted branch members to inspect and report on the condition of their chemical defense equipment.

The **ECBC Packaging Branch** are Certified Military Packaging Professionals. We serve on multiple standardization organizations and trade groups. Well known for our expertise, we also serve on the Army Packaging Policy Group and respond to requests for policy review from the Defense Packaging Policy Group, as well as the Army G-4.

The **ECBC Packaging Branch** stands ready to provide world class packaging products and services to our customers. Please contact us to assist with your packaging and related requirements.