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 (JPM) under the Joint Program Executive Office for Chemical and Biological Defense (JPEO-CBD), as well as numerous other government organizations.

The Engineering Directorate 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 life cycle services to solve chemical and biological (CB) defense challenges for the warfighter and homeland.**
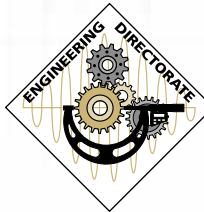
MISSION

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

VISION

First Stop for Chemical and Biological Defense Solutions.

EDGEWOOD
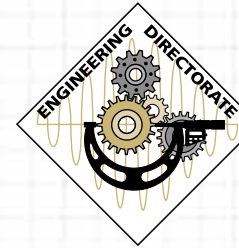CHEMICAL BIOLOGICAL CENTER
A U.S. Army RDECOM Laboratory

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 life cycle—from basic research through technology development, engineering design, equipment evaluation, product support, sustainment, field operations and disposal.

ENGINEERING DIRECTORATE
ECBC ENGINEERING
Design→Build→Test→Support

The Edgewood Chemical Biological Center Engineering Directorate is here and available to assist you with Design, Build, Test and Support Solutions for Chemical and Biological Defense Needs.
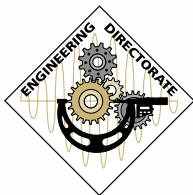
Please call 410.436.5600 or e-mail
ecbc.engineering.directorate@conus.army.mil

ENGINEERING DIRECTORATE
ECBC ENGINEERING
Design→Build→Test→Support

ECBC ACQUISITION LOGISTICS DIVISION

U.S. ARMY RDECOM **EDGEWOOD** CHEMICAL BIOLOGICAL CENTER Since 1917–A Tradition of Solutions

Edgewood Chemical Biological Center's (ECBC) Acquisition Logistics **Division** stands ready to support Department of Defense (DOD) and Homeland Defense (HD) in developing robust Integrated Logistics Support (ILS) programs and resolving any acquisition logistics issues. The Acquisitions Logistics Division offers expertise in multiple areas to assist Project Manager (PM) teams in acquiring and producing high-quality logistics planning and products, from concept through engineering development to production and fielding. Our logistics life-cycle support is tailored to meet the unique needs of the PM and the warfighter.

The Acquisition Logistics Division has years of experience in initial provisioning of spare and repair parts, authentication and publication of Department of the Army (DA) technical manuals, creation and database input of ILS documents and preparation/refinement of key ILS documentation. This documentation includes Supportability Strategies, logistics Statements of Work (SOW) for all life cycle phases and Logistics and Maintainability Reports.

ILS MANAGER

ILS Managers (ILSM) coordinate the development and integration of all the ILS elements. These elements include: maintenance planning, manpower and personnel, supply support, support equipment, technical data, training, training support, computer resources support, facilities, packaging, handling, storage, and transportation and design interface from the concept exploration phase through post-fielding sustainment.

The ILSMs prepare ILS program documentation such as, Integrated Logistics Support Plan (ILSP), Basis of Issue Plan Feeder Data (BOIPFD), Qualitative and Quantitative Personnel Requirements Information (QQPRI), and Data Interchange (DI). ILSMs focus on life cycle cost and supportability improvements throughout the program. They evaluate maintainability and reliability data, logistics support analyses, technical and operational test results, etc. They oversee the preparation of Logistics Management Information (LMI) contract deliverables and focus the contractor and program managers on supportability and life cycle cost concerns through early design influence.

ILS Managers offer the following services:

- Integrated logistics support management
- Contract review and recommendations
- Logistics modernization program support

TECHNICAL WRITERS-EDITORS

Technical Manual (TM) Writer-Editors oversee the development, validation and verification of technical documentation (e.g. manuals, bulletins) for systems. They prepare contract input and approve the content and format of TMs, including Joint-Service TMs and commercial manuals for publication in accordance with Head Quarters Department of the Army (IAW HQDA) policy. On existing systems, they prepare TM changes and revisions as required. They also respond to field comments/suggested changes (submitted on DA Form 2028) to the TMs.

Technical Writer-Editors offer the following services:

- Technical manual development, verification, authentication and publication
- Technical writing and editing for other documentation

PROVISIONERS

Provisioners are responsible for managing and executing a full range of technical provisioning duties for assigned items or systems. In conjunction with the Maintenance Engineers, provisioning specialists' code spare and repair parts for new systems, obtain nomenclature and National Stack Numbers (NSN) for the parts and end item, assign an end item code, and prepare and publish the Repair Parts Special Tool Lists (RPSTL) and associated appendixes. They request contract Logistic Support Analysis (LSA) reports specific to supply support, but this data usually has to be manipulated or corrected, sometimes requiring manual input into the Command Commodity Supply System (CCSS) database. Provisioners continuously update various parts databases that identify initial issue parts to be procured and fielded, report stock status and prompt sustainment buys by the item manager.

Provisioners offer the following services:

- Initial provisioning
- Repair parts and special tools list
- Materiel fielding plan development, distribution and tracking

MAINTENANCE ENGINEERS

Maintenance Engineers ensure that the system can be maintained effectively and economically at the desired level of readiness after it is placed in operational use. This is accomplished during the engineering process by implementing specific design features to facilitate safe maintenance actions in the predicted physical environments.

Specific maintenance tasks:

- Develop, refine and execute a maintenance plan developed in conjunction with the ILS program plan. Maintenance can be conducted at any and all levels within the Joint Services (JS), using any method from organic to Contractor Logistics Support (CLS).
- Allocate and verify maintainability requirements consistent with the maintenance concept and traceable to system-level availability objectives.
- Perform engineering design analysis to identify maintainability design deficiencies.
- Collect maintenance data under actual operations conditions as part of ILS system validation.

Maintenance Engineers offer the following services:

- Maintenance engineering planning and services
- Level of repair analysis
- Logistics demonstrations and reports

PROGRAM SUPPORT ASSISTANT

The Program Support Assistant coordinates the submission of the BOIPFD. BOIPFD is the initial DA document which begins the process of documenting requirements for new items of equipment into Army Tables of Organization and Equipment (TOE) and Tables of Distribution and Allowance (TDA).

ACQUISITION LOGISTICS DIVISION PRODUCTS AND SERVICES

- ILS management and training
- Maintenance engineering
- Level of repair analysis
- Logistics and maintainability demonstrations and reports
- Initial provisioning
- Repair parts and special tools list
- Logistics modernization program support
- TM development, verification, authentication and publication
- Technical writing and editing
- Basis of issue plan feeder data
- Materiel fielding plan development, distribution and tracking
- Common Table of Allowances (TOA) input
- Operations and support Cost Analysis (CA)
- Joint Independent Logistics Assessment (JILA)