

Logistics in Command

Optimizing LMCA Services to Support
Air Force and Defense Operations



Overview

Modern military operations rely on a tightly orchestrated logistics backbone—one capable of tracking, storing, distributing, and maintaining equipment across dynamic mission landscapes. At the center of this logistics ecosystem lies the **Logistics Material Control Activity (LMCA)**: the operational engine that ensures material readiness, inventory accountability, and equipment availability across U.S. Air Force programs.

This white paper outlines the operational structure, critical functions, and best practices for delivering high-performance LMCA services in defense environments. Drawing on Strativia's experience supporting the Air Force Research Laboratory (AFRL) at Kirtland Air Force Base, the paper also explores how integrated platforms like **DPAS** and **AMCS** are transforming visibility and control in logistics operations.

The Role of LMCA in Defense Readiness

Logistics Material Control Activities are foundational to sustaining readiness at the unit, base, and command levels. While often operating behind the scenes, LMCA teams are responsible for:

- Managing inventory, tracking property, and maintaining audit-ready records
- Coordinating pickup, delivery, and storage of mission-critical equipment
- Administering bench stock programs and sustaining equipment maintenance cycles
- Providing front-line customer service and demand forecasting
- Supporting training, building operations, and logistics systems continuity

LMCA operations act as the “digital and physical handshake” between end-users, logistics platforms, and strategic supply chains. Their reliability directly impacts mission execution timelines, equipment availability, and compliance with DoD inventory and accountability mandates.



Core Capabilities of LMCA Operations

Strativia's support to the AFRL at Kirtland AFB covered a full range of LMCA functions across 24 personnel. These services highlight the interdisciplinary and systems-driven nature of logistics material control:

1. Inventory Management and Control



Using systems like the **Defense Property Accountability System (DPAS)** and **Automated Materiel Control System (AMCS)**, LMCA teams are tasked with:

- Maintaining item-level accuracy for thousands of assets
- Updating location, status, and condition data in real time
- Generating audit trails for both internal use and external inspections
- Reconciling inventories across storage sites and using units

Operational Insight:

A strong DPAS implementation ensures accountability not only for property but also for controlled items and serialized assets governed by federal supply codes.

2. Material Handling and Distribution



LMCA staff coordinate the physical flow of materials across the installation and surrounding regions. This includes:

- Receiving and staging inbound deliveries
- Issuing equipment to authorized users
- Managing transportation logistics for pickups and returns
- Handling oversized, hazardous, or specialized equipment with appropriate protocols

Best Practice:

Integrated scheduling between warehouse personnel and vehicle operators minimizes bottlenecks, especially during peak surge or mission prep periods.

3. Bench Stock and Equipment Maintenance



The LMCA plays a key role in managing consumables and ensuring mission equipment stays operational:

- Maintaining bench stock programs to reduce downtime and expedite repairs
- Tracking expiration and replenishment cycles for tools and supplies
- Coordinating preventive and corrective maintenance with base maintenance shops

Emerging Need:

As equipment lifecycles grow more complex, LMCA roles are expanding to include predictive maintenance support and integration with digital maintenance logs.

4. Customer Service and Logistics Support Desk



LMCA functions also include a frontline customer interface:

- Accepting material requests and issuing equipment
- Tracking service tickets and user requests
- Providing status updates and ETAs to end users
- Offering training or guidance on logistics systems access and forms

Example in Practice:

At AFRL, Strativia's LMCA team handled all aspects of equipment control and customer support, operating as a single point of contact for technical and administrative logistics services.

5. Administrative and Facility Oversight



Behind each logistics operation is a framework of policies, schedules, and environmental controls. LMCA services include:

- Managing standard operating procedures (SOPs) and training compliance
- Performing building manager duties such as inspections and space utilization
- Overseeing facility cleanliness, equipment calibration, and supply room access

Best Practice:

Assigning clear ownership of building management responsibilities improves safety, compliance, and continuity of logistics support across deployments.

Considerations for High-Impact LMCA Delivery

Defense organizations seeking to strengthen LMCA operations should prioritize:

- ✓ **System Integration:**
Seamless use of DPAS, AMCS, and other logistics platforms
 - ✓ **Workforce Training:**
Cross-training personnel on equipment handling, systems usage, and safety protocols
 - ✓ **Security Compliance:**
Ensuring accountability for all government-furnished property (GFP) and controlled assets
 - ✓ **Audit Preparedness:**
Maintaining documentation, logs, and reporting aligned to DoD Inspector General (IG) standards
 - ✓ **Operational Scalability:**
Ability to surge staff or reconfigure workflows in support of mission changes
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The Strativia Commitment: Logistics Built for Mission Execution

In defense environments, logistics is more than movement—it's mission assurance. LMCA services must be precise, secure, and synchronized with both systems and personnel readiness. At Kirtland AFB, Strativia provided full-spectrum LMCA operations for the U.S. Air Force Research Laboratory, ensuring end-to-end visibility, accountability, and availability across every asset, facility, and bench stock item we supported.

Whether managing property control systems, overseeing building operations, or equipping mission teams, our focus remains on continuity, compliance, and control.



**Let's drive the mission
—together.**

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