

ULLS Unit Level Logistics System

System Description

ULLS automates organizational level supply, maintenance, property accountability, readiness and unit status reporting functions in tactical units for the Active Army, the Army National Guard, and the Army Reserve. It consists of three applications: ULLS-Ground (ULLS-G), ULLS-Aviation (ULLS-A) and ULLS-S4. Each application provides a menu-driven, interactive capability which provides on-line inquiry responses and file updates, and can accommodate multiple units' requirements on a single computer. ULLS-G is located at organizational level maintenance elements. For maneuver units, the systems are collocated at the battalion level; for combat support and combat service support elements, ULLS-S4 is located at battalion, company and separate company level. ULLS-A is located with the aircraft at flight companies and at Aviation Unit Maintenance (AVUM) and Aviation Intermediate Maintenance (AVIM) units.

Software/Hardware Platform

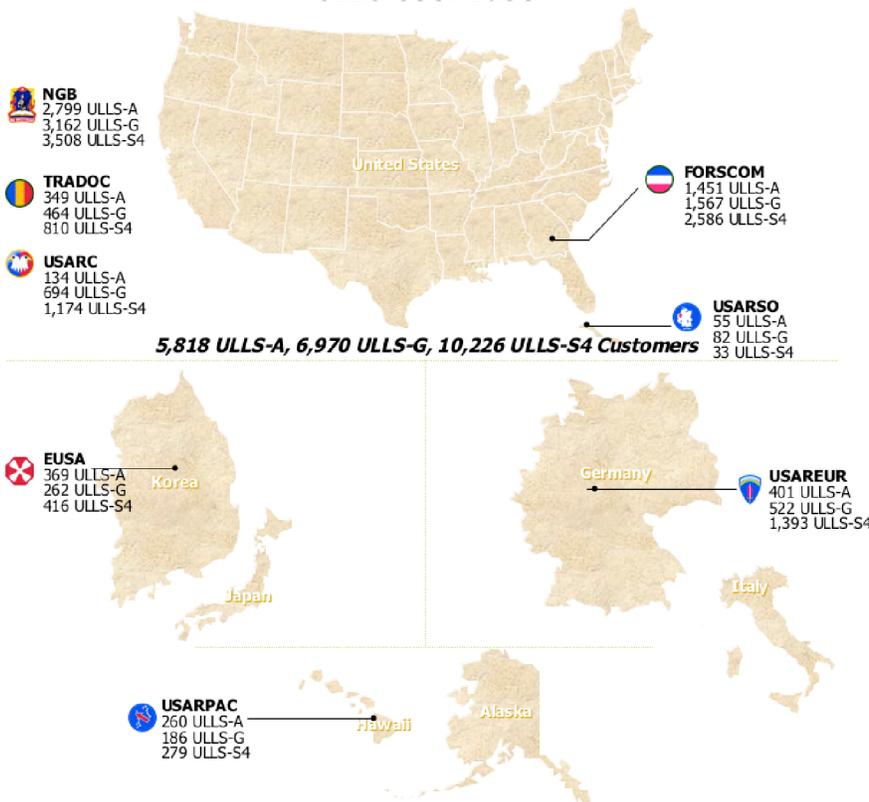
Software

ULLS uses either Microsoft® Windows 2000 Professional or the Disk Operating System (MS-DOS) and was developed using the Ada programming language compatible with U.S. Army objective hardware and software requirements.

Hardware

ULLS uses commercial off-the-shelf (COTS) microcomputers purchased from standard indefinite-delivery/ indefinite-quantity (IDIQ) contracts. The hardware configuration consists of a monitor, central processing unit (currently obtaining Pentium based CPU), CD-ROM, modem, printer, archive device, and a transit case.

ULLS User Base



Telecommunications

ULLS uses Blocked Asynchronous Transmission (BLAST) as the standard communications package. It interfaces electronically with the following systems: Standard Army Retail Supply System (SARSS), SARSS-Gateway, Standard Army Maintenance System - Levels 1 and 2 (SAMS-1 and SAMS-2) and the Standard Property Book System - Redesign.

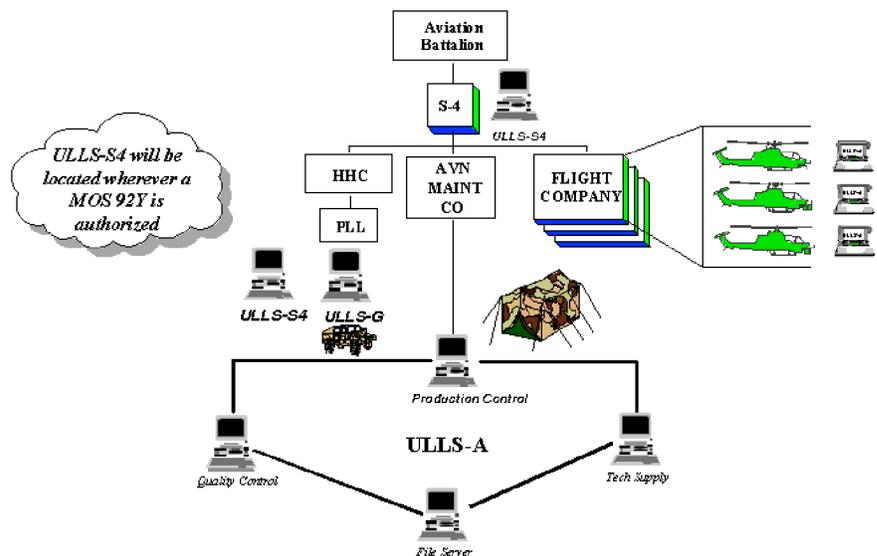
Security

ULLS processes sensitive but unclassified (SBU) data, which is information that must be protected primarily to ensure data availability and integrity. ULLS operates in a system high security mode.

Benefits

ULLS meets the Army's need for logistics automation by providing the following features and capabilities. All functions described are common to all ULLS applications, unless otherwise noted.

- a. Automates unit level Class IX (repair parts) functions, including aviation bench stock, The Army Maintenance Management System/The Army Maintenance Management System-Aviation (TAMMS/TAMMS-A) and unit supply room procedures.
- b. Provides an automated interface with the Standard Army Management Information Systems (STAMIS) listed above.
- c. Minimizes user input.
- d. Ensures that only authorized and required materiel is requested and that quantities requested are the minimum necessary for mission accomplishment.
- e. Integrates supply and maintenance applications to eliminate redundant functions.
- f. Minimizes order-ship-time.
- g. Automates assignment of request priorities and demand codes.
- h. Automates demand history and stockage level computations to avoid out-of-stock or excess conditions.
- i. Controls requests for reparable items.
- j. Automates replenishment actions and assignment of end item codes to requests.
- k. Provides reports on requirements and assets.
- l. Provides on-line help and embedded training. ULLS has an on-line help capability which defines each data element, and which also contains embedded training software developed specifically for improving and sustaining the learning process. Accessing this function from the ULLS main menu allows users to execute a self-paced training module that fully explains and simulates the system.
- m. Provides automated parts ordering from Technical Supply AVUM/AVIM levels (ULLS-A).
- n. Automates unit level supply procedures for supply classes I through IX (ULLS-S4).
- o. Computes basic loads for supply classes I, III (packaged), and V, and planning estimates for classes I through VII (ULLS-S4).
- p. Automates the development and preparation of unit load plans, movement plans, and orders (ULLS-S4).
- q. Automates and integrates financial management and supply applications to forecast, track, and manage the unit command operating budget (ULLS-S4).
- r. Automates the supply and property accountability functions of bulk petroleum, oil, and lubricants (POL) management (ULLS-S4).
- s. Provides password protection to the operational processes and data elements.
- t. Incorporates the Army Materiel Status System (AMSS) for automated readiness reporting.



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Fielding Status

ULLS-G, A, and S-4 applications are operating at over 22,000 locations throughout the Army, Army National Guard and Army Reserves.