Common Logistics Command and Control System

Version 2.0 Release Notes

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Sapient Corporation

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CLC2S 2.0 Release Notes

Purpose of this document

The purpose of this document is to outline what has changed in version 2.0 of the Marine Corps Common Logistics Command and Control System (CLC2S) from version 1.0 of the Common Logistics Command and Control System.

This document is accurate as of 12/23/2003.

Changes from CLC2S 1.0

This section outlines the changes that have been made to the three different modules that comprise the CLC2S suite of applications.

Changes to RRTS

The following changes have been made to RRTS+:

- The RRTS+ system has been modified to capture changes to the request at a more granular level.
- The RRTS+ application now enforces the a workflow in terms of the request being
- Functionality to handle the case where in the primary supporting unit is unavailable and the request needs to be sent to the secondary supporting unit.
- Functionality has been added to handle request forwarding and checks are in place where in the request forwarding cannot be performed.
- Capability to recommend substitute / alternative supply items and to mark items as non-substitutable.

Changes to ECS

The following changes have been made to ECS:

- The ECS has been modified to make use of the new functionality in the untethered layer of the application.
- Untethered messages that are generated due to updates to the assets have been streamlined and only necessary messages are transmitted.
- Capability to capture the blood type of personnel has been added.
- Ability to edit the MOS codes has been added.
- Functionality to handle new supply types, equipment types, and MOS codes which are added in an untethered environment are handled as part of untethered messages that are being generated due to addition of new supplies, equipment and personnel.

Changes to C2PC Logistics Injector

The following changes were made to the C2PC Logistics Injector:

- Mission Planning capability has been added to the C2PC Logistics Injector by interfacing with CLC2S Mission Planner. Planners can now use C2PC Logistics Injector to setup the “Requirements Determination” Module of CLC2S Mission Planner and do an initial analysis on C2PC.
- A more robust data exchange mechanism is now in place between C2PC Logistics Injector and CLC2S Mission Planner. An Oracle Client Install on the C2PC Client machine is no longer needed to use the C2PC Logistics Injector.

Changes to CSS Mission Planner

The following changes have been made to Log P/E Mission Planner:

- The Requirements Determination module of the Log P/E Mission Planner was modified to use planning factor data extracted from the Log2000 spreadsheet data instead of using the TloaDS simulation engine. Changes to the Log P/E user interface were made to support the differences between the two systems.
- An administration tool has been created to simplify the modification of planning factors data.
- The Hauling Capacity functionality of the Log2000 spreadsheet was migrated from the Log2000 application to the Supportability Estimation module. This allows the system to suggest baseline 80% Courses of Action by using the hauling capacity data to determine the quantity of different equipment configurations needed.
- The Supportability Estimation module was streamlined with an improved user interface in line with the changes made to Requirements Determination, enabling the user to create supportability plans faster and more accurately.
- The Plan Preparation module has been streamlined. By using the data that already exists in the Log P/E database, the application drafts a delivery plan based on the supporting units available, the assets specified and the assets available in the supporting units
- Ability to publish a Logistics Tasking Order (LTO) from a consolidation of support plans inside the Plan Preparation module.
- Ability to calculate and display projected unit readiness information for selected support plans so as to determine the potential impact of their execution.
- Ability to centrally manage and distribute planning factor updates from one CLC2S instance to another.

Changes to Un-tethered capability

The following changes have been made to un-tethered capability for CLC2S:

- A new architectural layer has been added to the application that will allow various modes of communication between servers.
- Queuing of messages within the incoming and the outgoing messages.
- Ability for the application to failover when one of the modes of communication is unavailable.
- Two new adapters (HTTP and Viasat), which use the newly developed interface, have been added to the application.

Addition of Engineering P/E

In addition to the upgrades to the other modules, an Engineering Planning and Execution module was added to CLC2S. This module contains the following functionality:

- **Engineering Mission Planner:** A decision support tool that enables engineers to initialize, supply, and execute a mission plan for an engineering mission
- **Engineering Archive:** A living repository for engineering reference documents, historical project information, and doctrine, with basic browse, search, and content submission functionality

- **Project Administration:** A set of basic administrative functions for an engineering project, such as maintaining project-level metadata and managing user access to project information

Addition of Deployable Shared Data Environment

The CLC2S 1.0 feeds solution has been replaced by a robust deployable Shared Data Environment (SDE). It provides the following features:

- Robust, easy-to-use process for loading data into CLC2S from other logistics systems.
- Ability to export data out of CLC2S for loading back into other logistics systems
- Ability for system administrators to configure other additional feeds as required through a set of administration tools.
- Ability to synchronize the appropriate information from ECS/RRTS+ with that in LOG P/E and ETK.

Addition of Handheld ECS

This version provides a variant of the CLC2S capabilities for use on a handheld device. This enables the deployed Marines to utilize its features on a smaller technology footprint. The features provided in the handheld version include:

- Ability to view and manage Equipment status on a handheld device and synchronize this status with the main CLC2S instance.
- Ability to view and manage Personnel status on a handheld device and synchronize this status with the main CLC2S instance.
- Ability to view and manage Inventory on-hand and stocking levels on a handheld device and synchronize this data with the main CLC2S instance.

Overall changes

In addition to the enhancements to the modules listed above, the entire suite has been streamlined with a single login page for all 4 application modules. This reduces unnecessary logging-in and out of the different modules.