

# Architectural Engineering Physical Access Control System (PACS) Study Electronic Security System (ESS) Program



**Combs & Shearer, Inc. (CSI)**

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CSI is a Prime Contractor for the US Army Corps of Engineers, Huntsville Center (CEHNC) for the Architectural/Engineering Electronic Security System (ESS) Program. For this effort, CSI provided support to the Physical Access Control System (PACS) Program in general engineering study to solicit technical information about implemented technical PACS currently used by Department of Defense (DoD) agencies.

The scope of this effort is developed in two phases:

## **Phase 1**

Required requests to DoD Components to provide current PACS information. Phase 1 also included a review of the existing commercial PACS that are employed that might include one or more technologies including biometrics (fingerprint, iris, or facial image) or other new and emerging technologies available from industry. The analysis included comparisons and evaluate systems against PACS currently deployed and used within DoD. This phase also includes an analysis of systems that meet federal mandates. CSI prepared reports that provides detailed information that will facilitate development of installation security policies and guidance for DoD Components.

Phase 1 also included conducting an independent technical review of existing PACS currently in use for issuing security badges and controlling access to DoD facilities and installations. This study included system characteristics, comparison of systems, technical best practices, compliance with applicable documents, procurement and maintenance costs.

### *Summary of Phase 1:*

- Prepare a letter to DoD Components requesting PACS information
- Formulate information received from DoD Components
- Identify system characteristics
- Identify best practices
- Identify compliance with current policies
- Identify procurement and maintenance costs
- Recommendation for further action



## **Phase 2**

Phase 2 of this effort includes formulating evaluations based on decisions made by DoD after discussions of the Phase 1 report. Research needed to facilitate additional recommendations to DoD documenting the work and the results. Two independent coordination meetings are anticipated in the process of Phase 2. The final report will document the final recommendations relative to PACS and outline policies and procedures for the recommendations.

### *Summary of Phase 2:*

- Meet with DoD in Washington, DC to discuss Phase 2
- Formulate evaluations and information based on meeting
- Conduct research to facilitate additional recommendations
- Recommend policies to implement for PACS
- Meet with DoD in Washington, DC to discuss Final Report
- Finalize report

Prime Contractor

Contract Number: W912DY-09-D-0005, Task # 1

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**US ARMY CORPS OF ENGINEERS, HUNTSVILLE CENTER**

**HUNTSVILLE, AL**

Combs & Shearer, Inc. (CSI)  
4970 Corporate Drive, Suite 125  
Huntsville, AL 35805  
256-830-1033