

NAS NORTH ISLAND - NAVY REGION SOUTHWEST NAVY ENVIRONMENTAL LEADERSHIP PROGRAM

INFORMATION TECHNOLOGY

COMPLIANCE INSPECTION AUTOMATION

LEAD ACTIVITY

Chief of Naval Operations (N457)
Navy Region Southwest
Naval Base Point Loma Compliance Site Team

STATUS

Active

MISSION

Develop a tool to allow efficient planning, scheduling, and completion of compliance inspections through use of a hand-held Personal Digital Assistant (PDA)

REQUIREMENT

Implement Environmental Quality Assessment (EQA) program, efficiently and effectively

DESCRIPTION

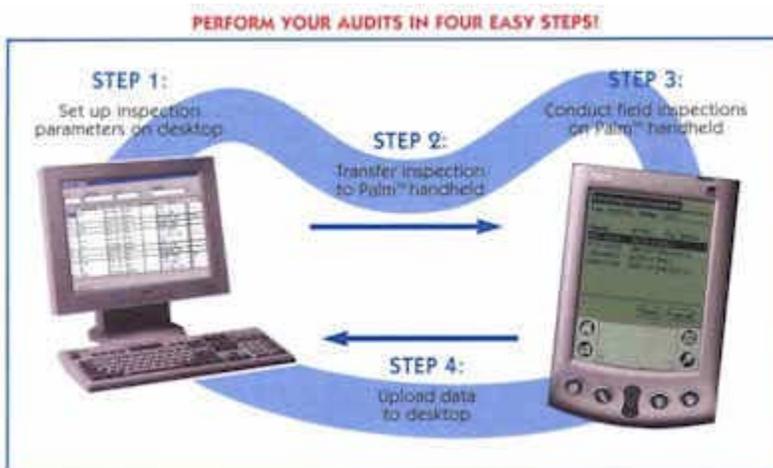
Through a partnership with CNO Environmental Shore Compliance Branch (N457), the Navy Environmental Leadership Program (NELP) is pursuing a project to truly automate environmental compliance inspections. The desired project outcome is to develop a tool to allow efficient scheduling and completion of compliance inspections through use of a hand-held Personal Digital Assistant (PDA). This NELP project was inspired by a related project conducted by the Navy Program Executive Office for Theater Surface Combatants (PEOTSC), [who used PDAs for shipboard equipment checklists](#).

PHE, Inc. developer of the Navy/Marine Corps "[Automated Compliance Evaluation \(ACE\) program](#)", has developed a new software program known as "FieldACE" to provide PDA capability. FieldACE requires a Windows-based PC and a PDA using the Palm Operating System. Since PHE, Inc. developed the FieldACE program using their own funds, there will be a nominal cost to Navy/Marine Corps activities for a hardware/software package to use FieldACE.



FieldACE1.0 is currently being beta-tested by the Naval Base Point Loma Compliance Site Team. At completion of the beta-test, the NELP will write a summary report with recommendations.

The PDA will be used to complete inspection checklists in the field, then automatically upload inspection data to a desktop PC - thereby reducing back-office data entry requirements for environmental compliance specialists, and allow for more time to be spent in the field supporting the fleet. If the project is successful, FieldACE will provide environmental managers a new information technology tool enabling efficient management of internal assessment plans and internal assessment documentation under the new Environmental Quality Ashore (EQA) program.



BENEFITS

- Efficient method to fulfill EQA requirement for Internal Assessment Plans and Documentation
- Enables specialists to set up database of evaluators, tenants, buildings, permitted equipment, and site-specific compliance checklists
- Automatic upload / download of inspection schedules, inspection checklists, and inspection results
- Standard report generation to support root cause analysis

ACCOMPLISHMENTS/CURRENT STATUS

Date	Activity
SEP 1999	Reviewed existing compliance "as-is" methodologies and data systems. Completed Compliance Inspection Automation Software Evaluation Report
OCT 1999	Completed Compliance Inspection Automation Palmtop ACE Module Specification for PDA software development, using CNRSW's approach to Internal Assessment Plans
NOV 1999 - DEC 2000	CNO contractor develops FieldACE software to provide PDA inspection capability - now called FieldACE 1.0.
AUG 2000 - NOV 2000	Beta test FieldACE 1.0 software at Navy Region Southwest / Naval Base Point Loma Compliance Site Team
DEC 2000	Complete summary report on FieldACE 1.0 beta test with recommendations for implementation
DEC 2000	Make decision on use of FieldACE for CNRSW Environmental

	Compliance Program
FEB 2002	PHE, Inc. released FieldACE 2.0 software

FUTURE PLAN OF ACTION & MILESTONES

Date	Activity
Ongoing	Continue evaluating the benefits of FieldACE
Ongoing	PHE to continue upgrading software to meet needs of the US Navy

COLLABORATION/TECHNOLOGY TRANSFER

This project is a collaboration of CNO N457 and NELP, with support from the Navy/Marine Corps ACE software contractor, PHE, Inc. and the NELP Technical Support contractor, TTEMI, Inc. All federal activities are pursuing efforts to do business more efficiently. This software tool has potential application anywhere recurring inspections or audits are required.

BIBLIOGRAPHY

- [Navy ship inspectors give palmtops a thumbs-up, Government Computer News, 26 July 1999](#)
- [Compliance Inspection Automation Software Evaluation Report](#), TTEMI Inc., SEP 1999
- [Compliance Inspection Automation Palmtop ACE Module Specification](#), TTEMI, Inc., OCT 1999

RELATED GOVERNMENT INTERNET SITES

None Applicable

RELATED NAVY GUIDEBOOK REQUIREMENTS

- 00999 General Program Support (EQA, IT Initiatives)

Updated: 03/01/02