

# Engineering Knowledge Online (EKO)

Content Management  
and  
Collaborative Aspects  
18 October 2004

<https://eko.usace.army.mil/>



US Army Corps  
of Engineers

Engineer Research and Development Center

# Topics

- EKO Vision
- Background
- General Features
- Security Features
- Collaboration Features
- Content Management
- Search Features
- Usage Data
- Testimonials
- Planned Enhancements

The screenshot shows the EKO Home website, which is the USACE Installation Support Community of Practice Portal. The header features the EKO logo and the text 'ENGINEERING KNOWLEDGE ONLINE'. Below the header is a navigation bar with links for 'What's New', 'Feedback', 'Site Map', and 'FAQ', along with a search box and a 'Login' button dated 08/19/2004. The main content area is divided into several sections: 'Hot News!' with three news items, 'Latest Public Works Digest' with a link to a PDF, 'Items Recently Posted' with a list of links to various engineering resources, 'Most Popular Items' with a list of popular documents, and 'Events within 60 Days' with a list of upcoming events. On the left side, there is a vertical navigation menu with categories like 'Installation Support', 'Communities of IS', 'Events', 'Forums', 'Library', 'News', 'Organizations', 'Phonebooks', 'Projects', 'Search Other Sites', 'Services', 'Training', 'Useful Links', 'Virtual Teams', and 'About EKO'. On the right side, there are 'Quick Links' and 'Other USACE Communities' sections, both containing lists of links to various resources and services.



# EKO Vision

- Foster Army installation communities of practice
- Exploit leading-edge information technology
- Comply with DoD information security guidance
- Follow guiding principles defined in *The Army Knowledge Management Strategic Plan*
- Complement Army Knowledge Online (AKO)

The Army Knowledge Management Strategic Plan



2<sup>nd</sup> Edition  
8 June 2003

Prepared By:



**1.3 Guiding Principles**

The guiding principles for AKM are rules for leveraging knowledge to enhance capability and efficiency. They are the underlying tenets upon which the Army will build and institutionalize its knowledge management program. These tenets will enable the Army to operate as an enterprise. Achievement of the AKM objectives will be guided by the following principles:

- Standardize business rules, processes and information across the enterprise
- Eliminate unnecessary duplication, incompatibility, and redundancy of data, systems, and business processes
- Capture and validate information once, then reuse it across the enterprise
- Reuse before buy or build
- Place greater significance on cooperative strategies for satisfying the common needs of soldiers and civilians across the enterprise
- Enable and accelerate sound decision-making through architecture-based analysis and evaluation
- Ensure security and protection of sensitive information
- Reduce the total cost of IT/IM
- Continuous improvement and evolutionary transformation
- Integrate performance management in every decision process
- Post before processing
- Everyone is a 'teacher', everyone is a 'learner'
- Every human interaction is viewed as an opportunity to acquire and share knowledge

**AKO ARMY KNOWLEDGE ONLINE**



# Background

- Installation Knowledge Online (IKO) v1.0 online Dec 2000
- Developed in accordance with knowledge management principles
- Original purpose - to help establish a virtual team for USACE installation support
- Secondary purpose - to demonstrate a single-point-of-access Web site for the Army installation management community with content managed independent of organization or stovepipe
- IKO evolved to support army project teams as well
- Renamed Engineering Knowledge Online (EKO) Feb 2004



# General Features

- Hosts both public and secure pages
- Customizable page layout and programs
- Web-development expertise is not required to manage pages and content
- Web-based collaboration tool for workgroups
- *Vertical* community of practice portal
- Best value for cost and ease of maintenance



# Security Features

- Uses Secure Sockets Layer (SSL) protocol
  - Data transferred over the SSL is encrypted
- Login using AKO user name and password
  - AKO Lightweight Directory Access Protocol (LDAP)
- Registered users belong to one or more security groups
- Security groups used to control access to page viewing and editing, as well as viewing, submitting and managing page content
- Public and sensitive information viewed on same page, depending upon each user's access rights

Security Groups	
Title	Group Type
Anonymous Users	System
Authenticated Users	System
EKO Career Program Submitters	System
EKO NAD Installation Support Office Users	System
EKO Public Works Digests Folder Submitters	System
EKO SAD Installation Support Office Users	System
EKO SPD Installation Support Office Users	System
EKO Training Folder Submitters	System
EKO USACE Installation Support Submitters	System

Security		Add Group • Add User
Group or User	Permissions	Options
 Authenticated Users	View	Change   Remove
 USACE CoP Home Managers	View Submit Admin	Change   Remove
 USACE CoP Home Users	View Submit	Change   Remove



# Collaboration Features

- Team & organization calendars
- Document management with versioning
- Group authoring
- Threaded discussion
- Lessons learned
- Roll-up of information

January, 2004 - Microsoft Internet Explorer

**January, 2004**

<> January 2004    Upcoming    Day    Week    **Month**

Sun	Mon	Tue
28	29	30
4	5 DPW Basic Orientation Course (CRS # 988) Session 2...	6
11	12 2004 Installation Management Institute	13
18	19	20
25	26	27

Document History - Microsoft Internet Explorer

View Document / Document History

## Document History

**Current**

Document	Project Management Plan
Description	Transformation of USACE Support to Installations (TSI) Initiative
File	Cost Project Management Plan.doc (192.51 KB)

**History**

Date	User	File Size	Comments
07/23/2003 12:00 AM	Rich	192.51 KB	Added para. 1.2.5.
05/15/2003 12:00 AM	Rich	191.49 KB	Revised sections 3.1, 3.2 and 3.3 to reflect updated status of activities, milestones and dates.
03/05/2003 12:00 AM	Rich	188.93 KB	Removed TSI PgMP as appendix to document due to size.
02/26/2003 12:00 AM	Rich	5.63 MB	Added Appendix 6.1 (TSI PgMP)

**Team Discussions**

Forum	Topics	Posts	Last Action
Changes after Report Approval	1	4	04/28/2004
Fixed Active Barriers	3	13	06/03/2004
Installed Equipment	3	7	05/30/2004
Site Survey Reports	1	2	06/03/2004
Workshop Issues	5	10	06/01/2004



# Collaboration Features

- User Comments
  - Registered users can comment on any item they're permitted to view
- Image databases
  - Organize, search and comment on photos or other images

## EKO USACE CoPs tutorial

Draft video/audio tutorial for your comments. Once refined and edited, to be used to spread the word on the USACE cCoP home through the agency. All comments and suggestions welcome!

 Eko\_tutorial.exe (3.13 MB)

[View Document](#) | [Check Document Out](#)

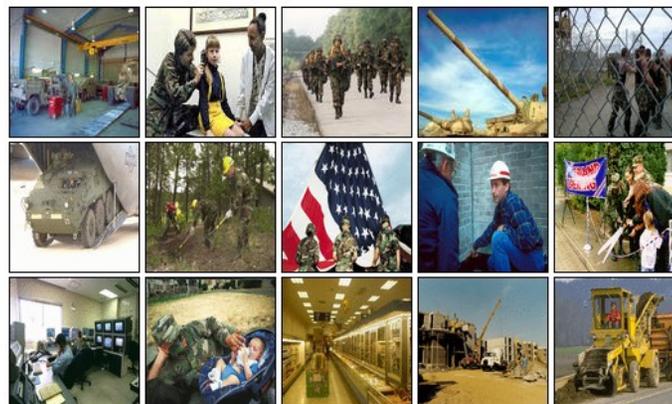
### User Comments

Nancy 

Aug. 19, 2004 at 09:48 AM

The same USACE CoP tutorial just in an .exe format. [Delete](#)

## Photos



### Search Photos

Keyword

Include Archives



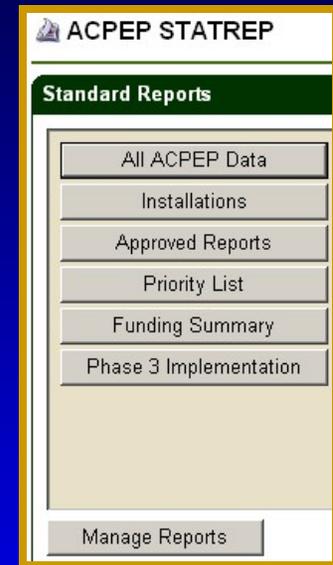
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Photos 1- 15 of 27

< Previous 1 2 Next >

# Collaboration Features

- *STATREP* Project Status Database
  - Provides communities and teams a Web interface to a shared database for managing and reporting information in a secure environment
- *STATREP* Issue Tracker
  - Provides communities and teams ability to manage open issues and provides history of resolved issues



ISSUE TRACKER				
<input type="button" value="Submit Issue"/>		<input type="text"/> <input type="button" value="Search"/>		
Submitted				
#	Issue	Project	Priority	Assigned To
108	Updating the procurement plan	White Sands Missile Range	Moderate	PMT
Open				
#	Issue	Project	Priority	Assigned To
88	Ft Meade Early Procurement	Fort Meade	High	Michael
68	Rocky Mountain Arsenal- BRAC?	Rocky Mountain Arsenal	Low	Michael
67	Buy and Drop Equipment - Leak/Wipe Testing		Moderate	Michael
66	Buy and Drop Equipment - Consumables		Moderate	Michael
65	Buy and Drop Equipment - Return or Transfer Policy		Moderate	Allen
Resolved				
#	Issue	Project	Priority	Assigned To
64	Fort Lewis Equipment Increase	Fort Lewis	High	
62	Redstone Arsenal Cost Estimate	Redstone Arsenal	Moderate	



# Content Management

- Web-site content managed by those responsible for the content, not by one or a few Webmasters
- New content added in logical steps using *Submit Item Wizard*
- Administrators can modify, delete, copy, move, categorize, and archive items
- Administrators can define workflow for approving submitted items
- Any item can be related to one or more other items



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The image shows two screenshots of the 'Submit Item Wizard' web application. The first screenshot, titled 'Submit Item Wizard - Step 1', asks 'What type of item do you want to submit?' and lists options: Announcement, Article, Bookmark, Contact, Document, Event, Hive Document, Photo, and Tip. The second screenshot, titled 'Submit Item Wizard - Step 3', asks for item information: Title, Summary, Document Type (Managed Document or Network Document), Document name, and Date Added. The 'Managed Document' option is selected, and the date is set to 06/17/2004.

[Folders](#) | [Categories](#) | [Archive](#) | [Modify](#) | [Delete](#) | [Copy](#) | [Move](#)

**Auto Approve Workflow**

- 1 - Submitted
- 2 - Done

**LTG Robert B. Flowers biography**

**Bio LTG Flowers.doc** (175.62 KB)

[View Document](#) | [Check Document Out](#)

**User Comments**

Be the first to **comment** on this document.

**Related Items**

**U.S. Army Corps of Engineers Overview Brief**

[Change Related Items](#)

# Content Management

- *What's New* lists all new and updated content in the last 30 days that a user has authority to view
- Registered users can opt to receive daily, weekly or monthly newsletters via e-mail with links to new and updated content on subscribed pages



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EKO Home / What's New /

## What's New

Displays new pages and items that have been added to the site recently.

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**August 19, 2004**

**EKO USACE CoPs tutorial**  
Draft video/audio tutorial for your comments. Once refined and edited, to be used to spread the word on the USACE cCoP home through the agency. All comments and suggestions welcome!

**Army Knowledge Management (AKM) Symposium**  
The first day of the AKM Symposium gives you the full KM foundations course trimmed to fit. We will look at possibly duplicating this content or arranging for this training to be given through the USACE. If you attend the conference, please report back to me on Tracks 6,7,9,10. Track 7 is specifically about standing up CoPs in the same way USACE will.

**SITREP 18 Aug 04**  
SITREP 18 Aug 04

**Jacksonville District Corps of Engineers**  
A database of the

**Army Design/Conservation**  
Information regarding Army Design/Conservation.

**August 18, 2004** Engineering Knowledge Online Daily Newsletter for Thursday, August 19, 2004

**SITREP 17 Aug**  
SITREP 17 Aug

**SITREP 16 Aug**  
SITREP 16 Aug

**Community Gr**  
The Community developers, build residential-com

**From:** EKOMaster@erdc.usace.army.mil [mailto:EKOMaster@erdc.usace.army.mil]  
**Sent:** Thursday, August 19, 2004 3:05 AM  
**Subject:** Engineering Knowledge Online Daily Newsletter

**Contacts**

**SITREP 16 Aug** [Andrew](#) (08/18/2004)  
 **SITREP 16 Aug** [Ron](#) (Updated 08/18/2004)

**Documents**

[ACPEP Weekly Update](#) (147.97 KB, Updated 08/18/2004)  
 [EKO USACE CoP Tutorial](#) (4.81 MB, 08/18/2004)  
A compressed file in ZIP format that contains a draft computer video and audio tutorial in Macromedia Flash format that illustrates how to use the USACE Community of Practice pages on the Engineering Knowledge Online (EKO) Web portal.  
 [FY04 Civil Works Budget Information](#) (49.15 KB, 08/18/2004)

**Events**

**19-AUG-2004**  
[HNC PRE](#) (19-AUG-2004 08:30 - 17:00)

# Search Features

- Search up to 250,000 documents within EKO
- Search five Army installation-management-related Web sites external to EKO
  - Assistant Chief of Staff for Installation Management
  - U.S. Army Installation Management Agency
  - USACE Military Programs
  - USACE Huntsville Engineering Center
  - USACE ERDC Construction Engineering Research Laboratory



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EKO Home / EKO Search /

**EKO Search**  
This page hosts Web services or links to other content search options external to Installation Knowledge Online (IKO).

**Search Other Installation Management Web Sites**

Search EKO and other Web sites affiliated with Army installation management:

- U.S. Army Assistant Chief of Staff for Installation Management (ACSIM)
- U.S. Army Installation Management Agency (IMA)
- U.S. Army Corps of Engineers, Military Programs (CEMP) Directorate
- U.S. Army Engineer Research and Development Center, Construction Engineering Research Laboratory (ERDC-CERL)
- U.S. Army Corps of Engineers Huntsville Engineering Center (CEHNC)

Search:  EKO  ACSIM  IMA  CEMP  ERDC-CERL  CEHNC

[Help](#) [Advanced](#)

**Google Unclesam - Search all .GOV and .MIL sites**

[Advanced Search](#) [Preferences](#) [Language Tools](#) [Search Tips](#)

Search the entire web from the [Google home page!](#)

[Google Home](#) - [Advertising Programs](#) - [Business Solutions](#) - [Services & Tools](#) - [Jobs, Press, & Help](#)

# Usage Data

- 201 pages
  - 159 normal pages
  - 28 system pages
  - 14 template pages
- 1,310 registered users
- 11 of 25 U.S. Army Corps of Engineers communities of practice supported



# Testimonials

*(via e-mail)*

- “I’ll tell you, this Web site has been great...I can’t say enough about it.” – *Project Manager (10/08/2004)*
- “The site is starting to make a difference in how people share information. I’m really excited!” – *USACE CoP Pagemaster, (10/18/2004)*
- “EKO is easy to navigate and provides a wealth of relevant information. I’ll share this link with my colleagues.” – *Contractor/Public User (10/7/2004)*
- “Kudos for an easy to use Web site and thanks for the quick turn-around! Keep up the good work.” – *Project Manager (04/28/2004)*
- “I know the program (*of multiple projects*) would not be running nearly so smoothly without the easy data sharing that EKO provides. At every opportunity, I try to spread the word about what a great managing, tracking and reporting tool EKO has been for this program.” – *Program Manager (08/28/2003)*



# Planned Enhancements

- Enhanced issue and suspense tracker for project delivery teams
- Army Knowledge Online (AKO) Single Sign-On (SSO)
- Integration with AKO Instant Messenger
- View who's online
- Add more public content related to installation support
- Add more content for all USACE communities of practice
- Search additional content external to EKO

