

# **NETC Distance Learning**



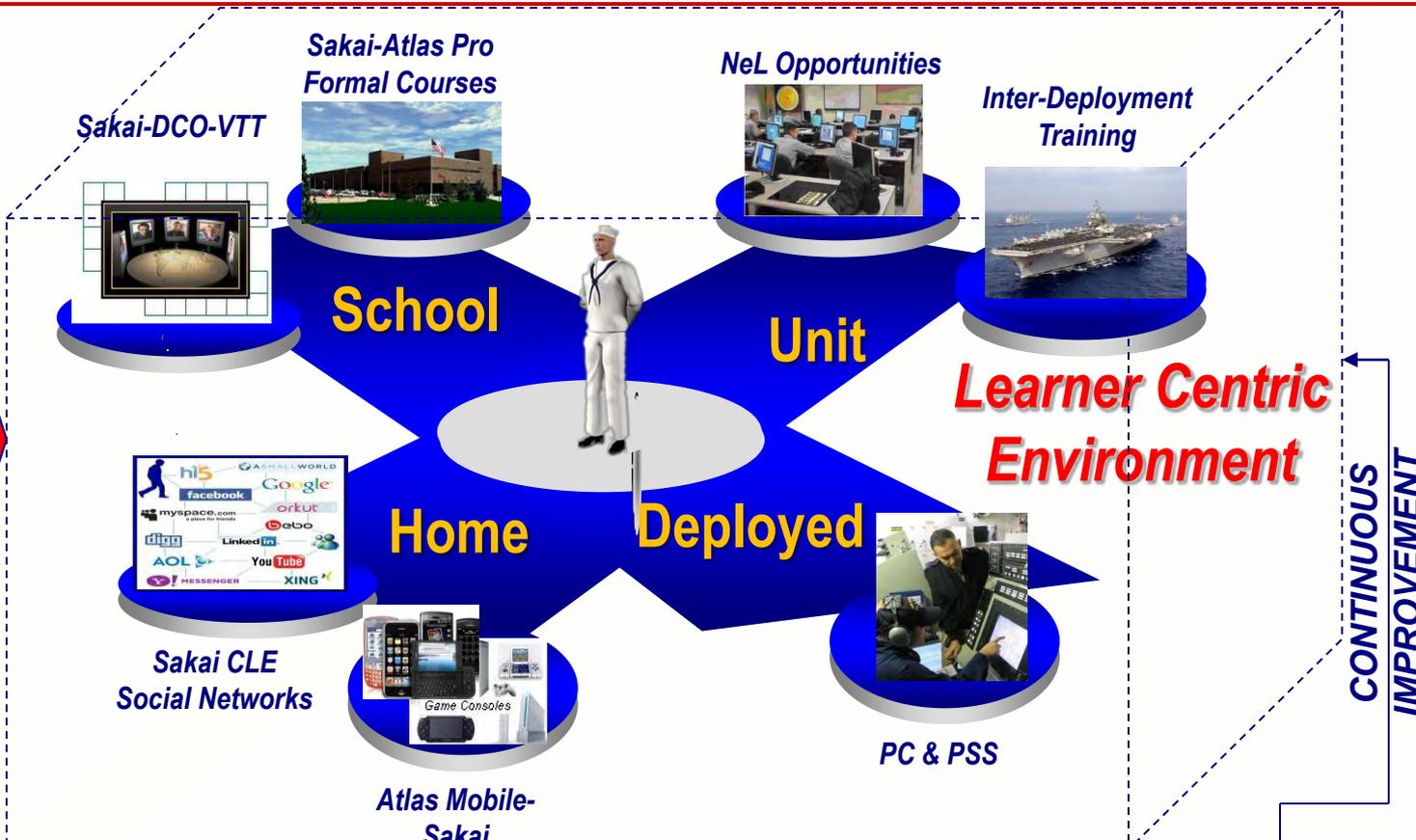
**iFest 2012**

**John Lasseter**

**NETC DL Project Lead**



# Distance Learning (DL): Connecting Training & Operational Environment

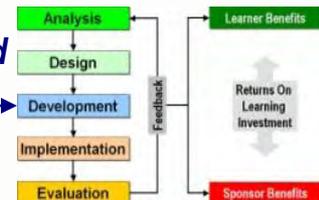


## Objective:

Beyond "Brick & Mortar"

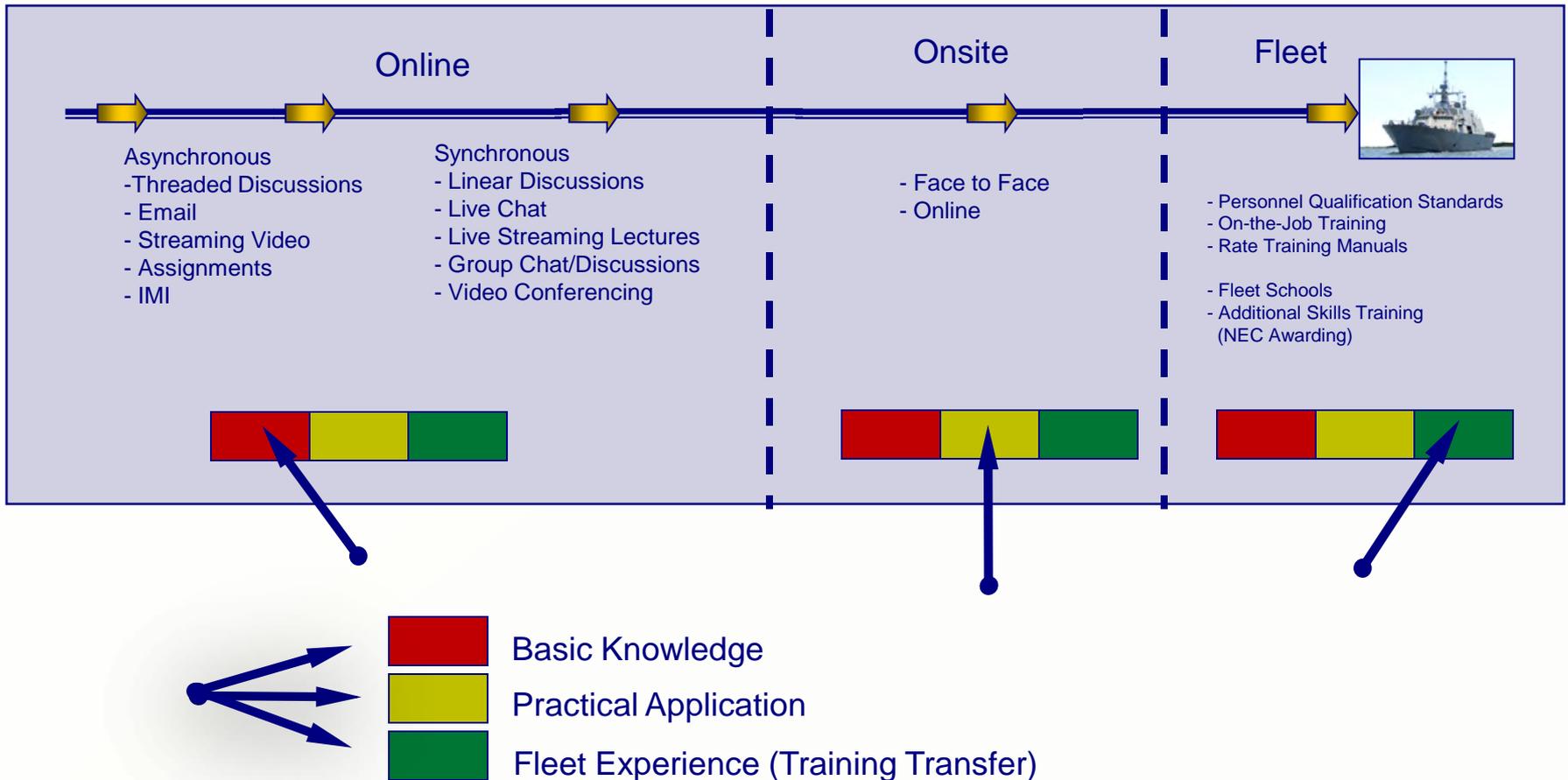
- ✓ Increase Training Opportunities and Access
- ✓ Supporting Sailors Worldwide
- ✓ DL Presence on SIPR, NIPR and Social Networking Domains
- ✓ Coupling DL/Mobile Technologies with Fleet Deployments (OEF, OIF, FDNF)

**Fleet Feedback  
Lessons Learned**





# Hybrid Learning





# Distance Learning/Mobile Pilots

## DL Pilots

### Naval Chaplaincy School and Center



- **Hybrid (Online and On-site using Sakai)**
  - Professional Development Training Course (Chaplain/RP, P-5G-1303)
  - 3 additional courses added to DL FEA

### Center for Service Support



- **Hybrid (Online and On-site using Sakai)**
  - YN/PS Advance Admin (A-510-0024)
  - BQC-NR (A-8B-0003) Reserve Officer Acquisition (Long Range Pilot)

### Center for Personnel and Professional Development



- **DL Blended Learning (VTT, DCO, SAKAI)**
  - ADAMS for Supervisors (S-501-0110)
  - DAPA for Leaders

### Center for Sea Bees and Facilities Engineering



- Facilities Planner Course

## Mobile Pilots

### Center for Explosive Ordnance Disposal Dive



- **CEODD EOD Preparatory Course (A-433-0059):** reach back, remediation, pubs and job aid. (U.S. Army SCoE Mobile)
  - Joint Army and Navy EOD collaboration to convert EOD Preparatory curriculum to mobile format as job and study aids.
  - Remedial game applications and a publication reader for EOD directives.
  - Base line loads ECD Aug 2012

### Center for Security Forces



- **CFS Crew served Weapons (A-041-0013)**
  - Mobile technology pilots to be conducted at CSF. Primary use was reach back, remediation, publication reader, job aid.
  - Crew Served Weapons content is in Pilot stage on second class.
  - Positive remarks on Level 1 Surveys,
  - Mac Book Pro updates



# DL Tool Comparison

| Capability               | VTT w/Encore | Office 365 | Sakai | DCO | Atlas Pro | Net Support School |
|--------------------------|--------------|------------|-------|-----|-----------|--------------------|
| Video Conference         | ✓            | ✓*         | ✓*    | ✓*  |           |                    |
| Audio Conference         | ✓            | ✓          | ✓     | ✓   |           | ✓                  |
| Media Share - Whiteboard | ✓            | ✓          | ✓     | ✓   |           | ✓                  |
| Participant List         | ✓            | ✓          | ✓     | ✓   | ✓         | ✓                  |
| Text Chat                | ✓            | ✓          | ✓     | ✓   |           |                    |
| Discussion Board         |              |            | ✓     |     |           |                    |
| Assignment - File Holder |              |            | ✓     |     | ✓         |                    |
| Testing- Survey- Polling |              |            | ✓     |     | ✓         |                    |
| Record/Playback          | ✓            |            | ✓     | *   |           |                    |
| Dropbox                  |              |            | ✓     |     |           |                    |
| Grade Book               |              |            | ✓     |     | ✓         |                    |
| Event Management         | ✓            | ✓          | ✓     | ✓   | ✓         | ✓                  |
| Mobile Delivery          | ✓            | ✓          | ✓     |     | ✓         |                    |



# NPS Collaboration

- **Partnership with Naval Post Graduate School**
  - Hosting Content on Server
  - 6 Pilots through FY12
  - Transition to ETMDS Sakai instance FY14
- **Sakai Collaborative Learning Environment (CLE)**
  - NPS migrated in 2010 to Sakai over Blackboard
- **DL and mLearning Objectives**
  - Improve Access (Anytime, Anywhere)
  - Reduce Costs
  - Leverage Learner Mobility
  - Engage Students
  - Improve Training

Naval Postgraduate School CLE : My Workspace : Home - Microsoft Internet Explorer provided by NMCI

https://cle.nps.edu/xsl-portal

NAVAL POSTGRADUATE SCHOOL

Hello, John! | (Logout)

Quicklinks: [NETC\\_Sandbox \(NETC\)](#) | [NETC: Center for Personnel and Professional Development](#) | [NETC: Center for Service Support](#) | [NETC: Chaplain Schools](#) | [NETC: Naval Justice School](#) | [My Workspace](#)

My Sites

Home  
Calendar  
Announcements  
News  
Web Content  
Profile  
Preferences  
Account  
Search  
Help

John Lassiter

### My Workspace

Message Of The Day

Options

Welcome to the Naval Postgraduate School Sakai Collaboration and Learning Environment.

#### Instructors

- Existing Fall AY2012 courses have been **populated with students**, **Publish your site** ([Site Editor > Manage Access](#)) when you are ready to make it available to students.
- Need a Sakai site for next quarter?** - Contact [clehelp@nps.edu](mailto:clehelp@nps.edu) and let them know the course ID.
- Tool for using Math equations or expressions in the Tests & Quizzes area of Sakai, [more...](#)

#### Students

- Can't find your class?** Try the "My Sites" tab. Otherwise, please contact your instructor.
- NPSbart not required** - you will probably have a better experience if you go directly to Sakai from any Internet connection.
- Getting certificate warnings while using Internet Explorer? Please download and install the latest DoD Root certificates: [installroot\\_v3.13a.zip \(401kb\)](#)

The **Sakai Online Help** system is available, you can get tool specific help using the icon to the right of each tool title. You can also access [Sakai How-To Videos](#).

Please visit the [NPS Sakai wiki](#) for additional help, how-to's, and FAQs.

### Calendar

Options

September, 2011

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|-----|-----|-----|-----|-----|-----|-----|
| 28  | 29  | 30  | 31  | 1   | 2   | 3   |
| 4   | 5   | 6   | 7   | 8   | 9   | 10  |
| 11  | 12  | 13  | 14  | 15  | 16  | 17  |
| 18  | 19  | 20  | 21  | 22  | 23  | 24  |
| 25  | 26  | 27  | 28  | 29  | 30  | ?   |



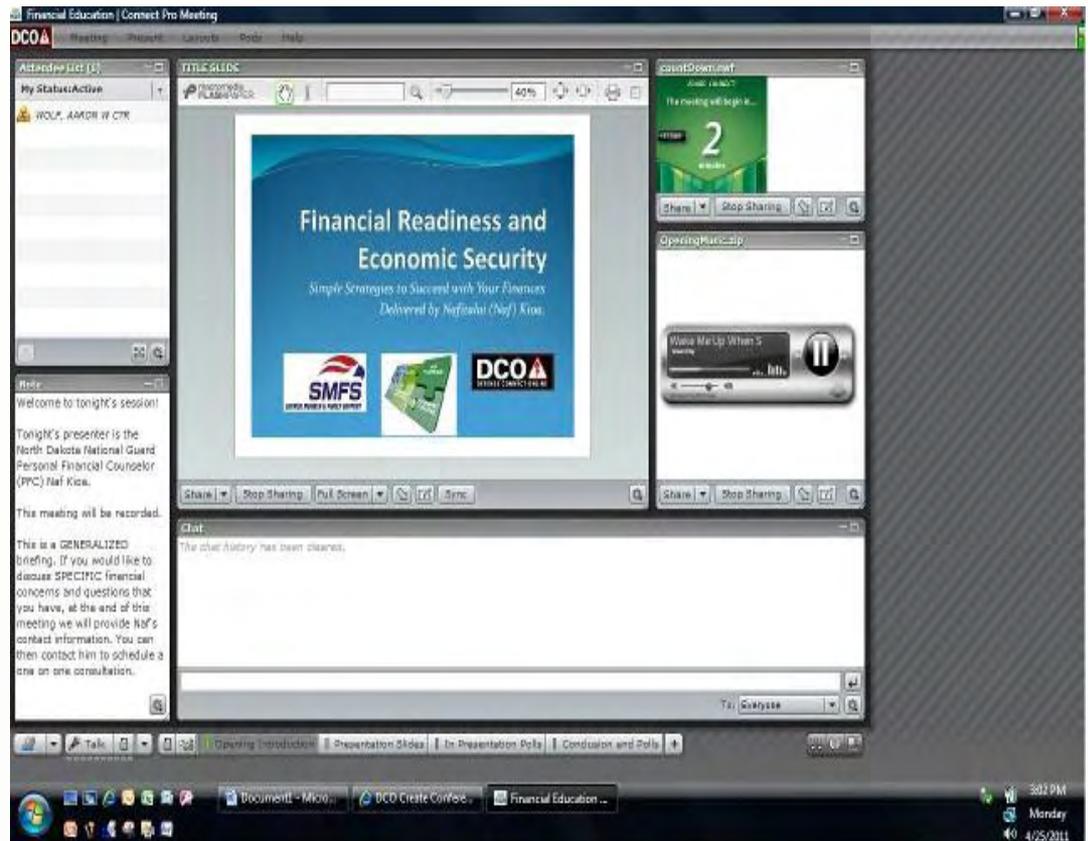
# Virtual Classroom

## Essential Features

- Participant list
- Whiteboard
- Application sharing capability
- Duplex audio
- Shared web browser
- Video Conferencing
- Text chat
- Polling/Interaction tool
- Recording capability for delayed viewing
- Seamless Internet Link
- Ease of use

## Infrastructure Ideas

- Virtual Desktop Environment
- Wireless Broadband – classroom
- Portable Classrooms using laptops/tablets





# Sakai CLE Mobile



## Sakai CLE 2.8 Mobile

- Sakai Project w/ Google Summer of Code developed mobile App and User Interface
- PhoneGap based (supports 7 platforms)
  - iOS, Android, Windows Phone, Blackberry, Palm WebOS, Bada Symbian
  - HTML, CSS and JavaScript
- Simple menus saves real estate

## Benefits of Mobile at NPS

- User Name and Password
- Eliminates CAC single sign-in
- Only registered users can access

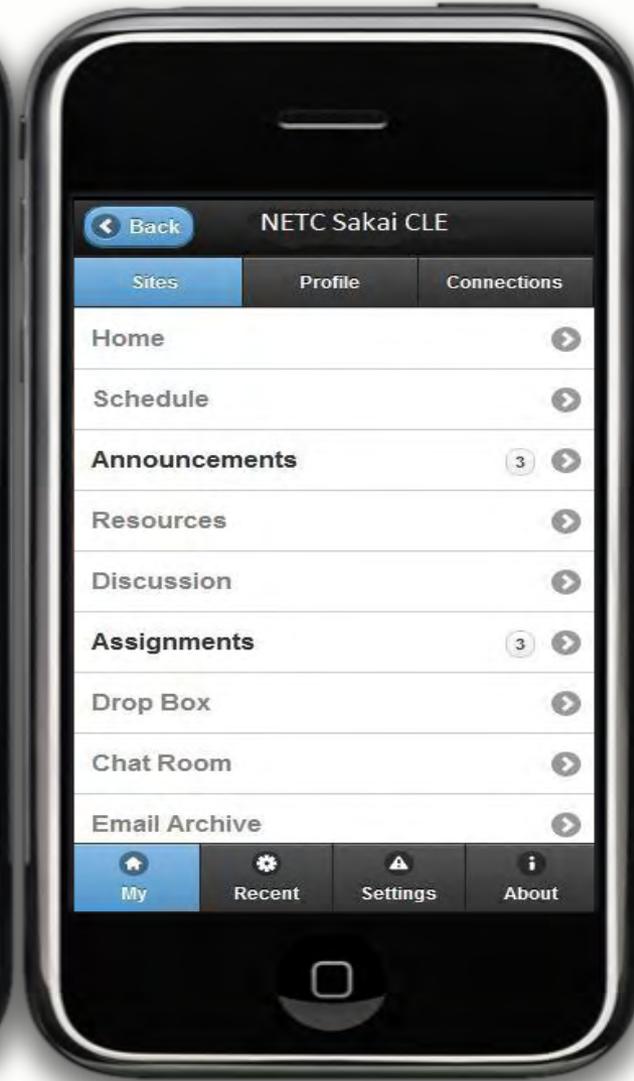
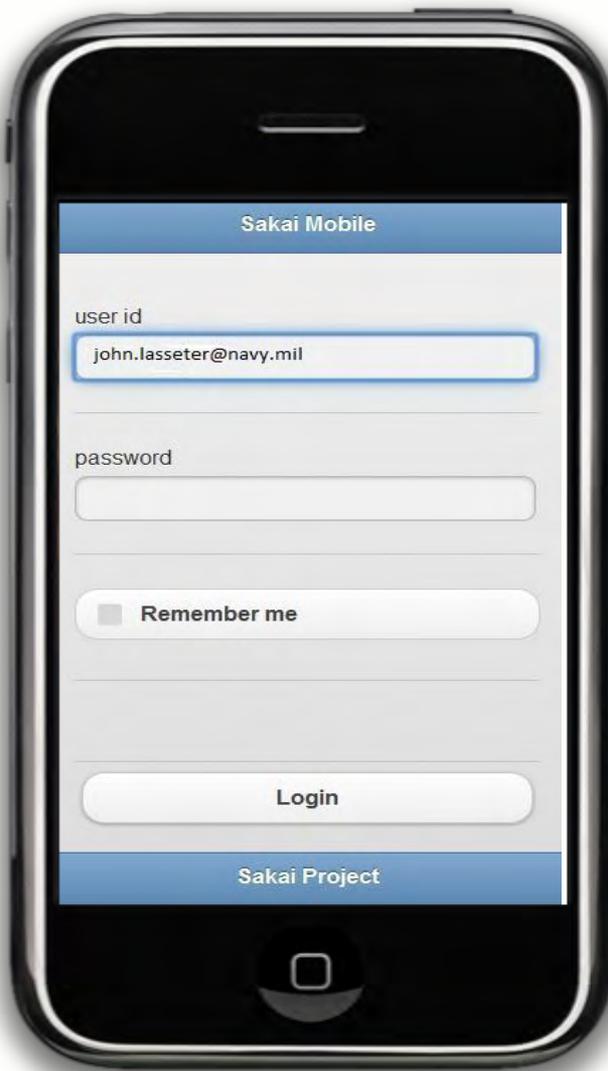


# Sakai CLE Mobile





# Sakai CLE Mobile

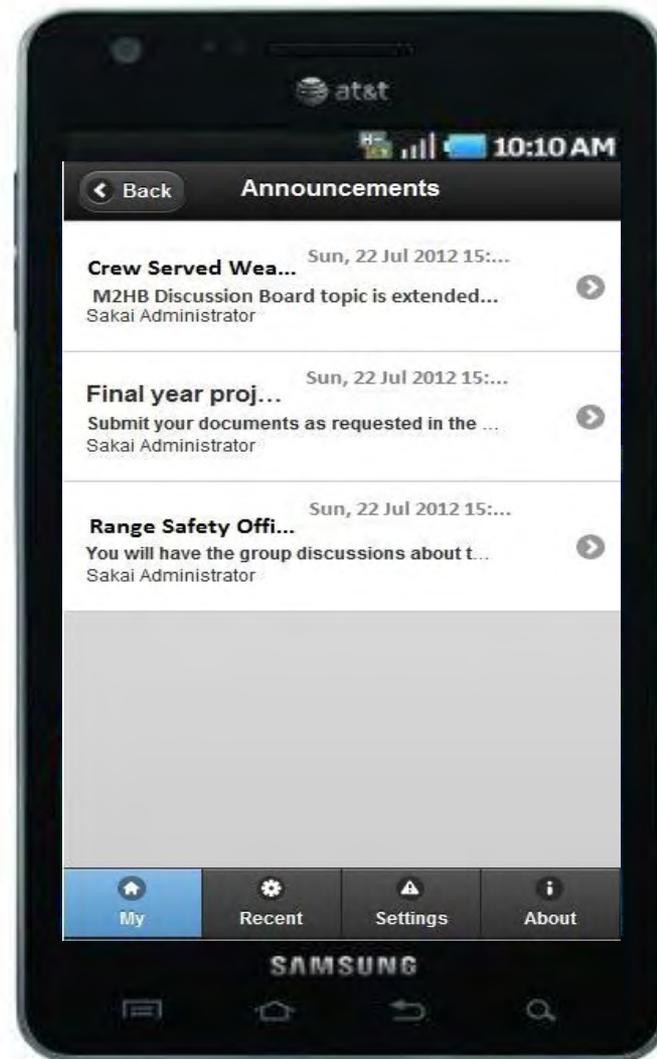




# Sakai CLE Mobile

## Device Agnostic?

- Sakai Project is in work on improving cross platform capability
  - University of Delaware
  - Indiana University
  - University of Florida
  - Google Summer of Code 2008-2011
- Two examples of Sakai with the iPhone and Droid Phone

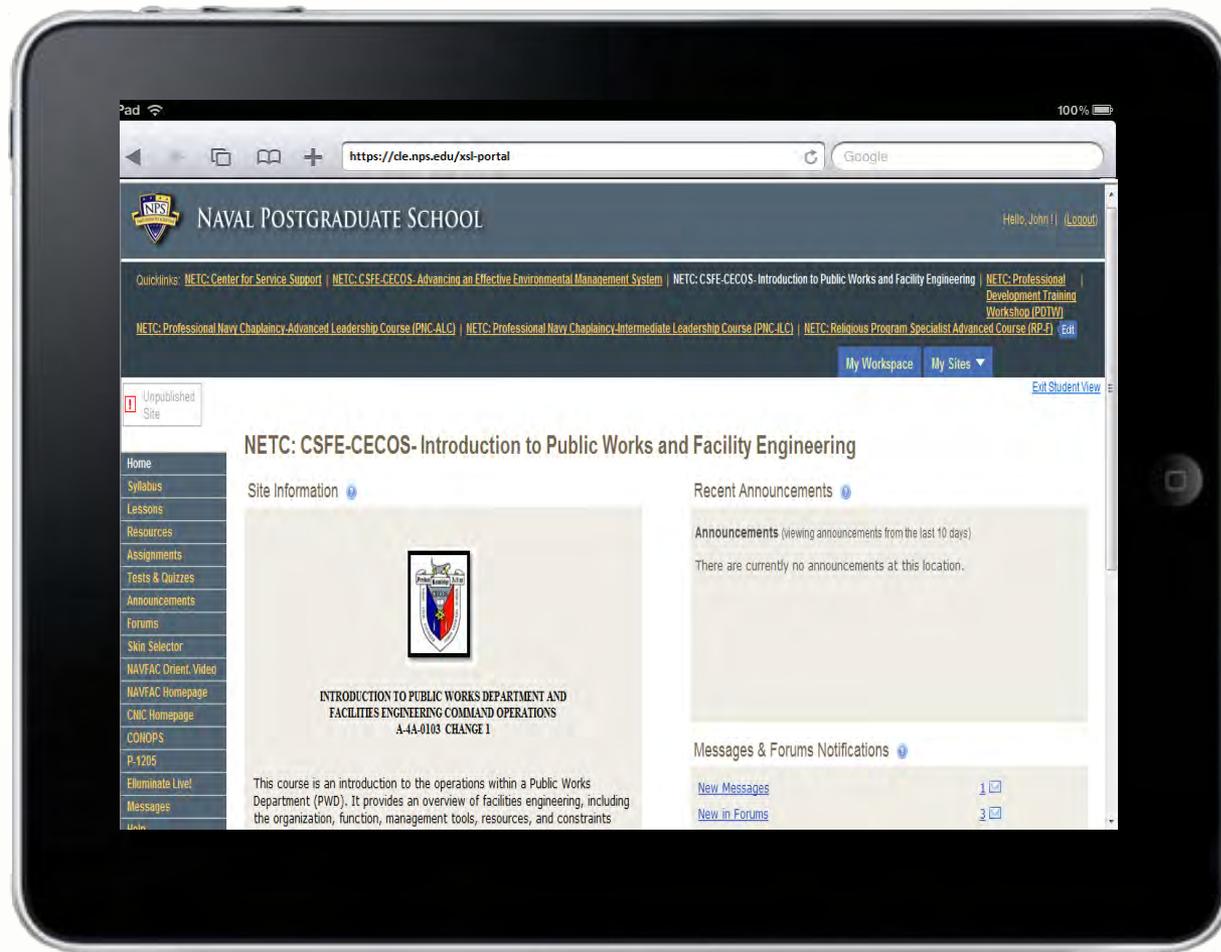




# NPS with iPad

## iPad Advantages

- Full View vice mobile view
- Full functionality
- Larger Screen





# CSF Mobile Pilots

## Current Roles

- Publications
- Reach Back
- Remediation
- Job Aid

## Near Future

- Apps/Games
- Assessments
- Surveys





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# Roadblocks to DL

- **IT/Information Assurance**
  - Policies have not kept pace with emerging technologies
  - Single Sign-on, disenfranchisement of potential learners without CAC.
  - IT infrastructure doesn't support DL synchronous delivery demand without VTT
  - TRANET with DCO has above average latency
  - TRANET baseline loads, capabilities and access are not standardized across domain
- **Cultural acceptance of DL delivery and Mobile Devices as a learning platform.**
- **Lack of promulgated DL policy or strategy documents. (i.e. ALC 2015)**
- **Expertise at converting content from legacy and flash file formats to DL/Mobile formats.**
- **Funding for Distance Learning**



# Way Forward for DL

- **Distance Learning Strategy**
  - NETC promulgated DL Strategy
  - Brief OPNAV on larger strategy
  - NETC N7 DL Functional Requirements
- **Distance Learning Course Selection Policy (NETC Note) Review**  
Sep12
- **Continued Collaboration within DoD, Academia, Trade Organizations**
- **MOA with Naval Post Graduate School for DL hosting**
- **Front End Analysis RFQ 3112**
  - 16 courses completed FEA for conversion to DL/Mobile delivery
  - Period of Performance ended June 29, 2012
  - Submitted first five SOWs for course revisions/development



*Questions?*



# CONTACT INFORMATION

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