

Planning for Disaster Facilities, Critical Equipment, and Systems: Are You Ready?

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What's In It For Me?

- New Ideas
- New Technologies
- Business Continuity Planning Ideas
- New Methodologies
- Possibilities/Capabilities
- Outside-the-Box Ideas



Introduction—Overview of Topics

- Business Continuity and Disaster Recovery
- Alternate Centers
- Redundancy
- Virtualization
- New Capabilities
- Pushing the Envelope



Definitions

- Business Continuity. The process of creating plans, processes and procedures to resume/reestablish mission critical business functions.
- Disaster Recovery Plan. A plan to recover technology platforms and associated functions (e.g., servers, mainframes, networks).
- Business Continuity Plan. A plan recovers business and workgroup functions (e.g., infrastructure departments, call centers, customer-facing functions).

How Can You Plan For A Disaster?

- Designate alternate centers
- Ensure the redundancy of systems
- Virtualize important information
- Put relocation plans in place



Alternate Locations

Most alternate locations are insufficient; to be considered adequate, the facility must have:

- Dedicated space
- Computer systems
- Phones
- Faxes
- Physically separated
- Weekly systems tests



EOC and EMC

The EOC and the EMC:

- Are physically separated by 70 miles
- Contain replications of all systems to support operations (e.g., videowalls, thin clients)

Each center also serves as alternate center

- The EOC is located in North Las Vegas
- The EMC is located in Mercury, NV



Operations Coordination Center

- 24/7 Command Center located in Mercury, NV
- Alternate location is in the North Las Vegas Facility EOC
- Backup systems/positions replicated in both locations
- Alternate Locations have been tested/validated



OCC Relocation Tools

- Ruggedized laptops with wireless connectivity
- Mobile apps via Blackberry
 - Communicator! NXT
 - WebEOC
 - GeoCast Web
- Mobile satellite phones



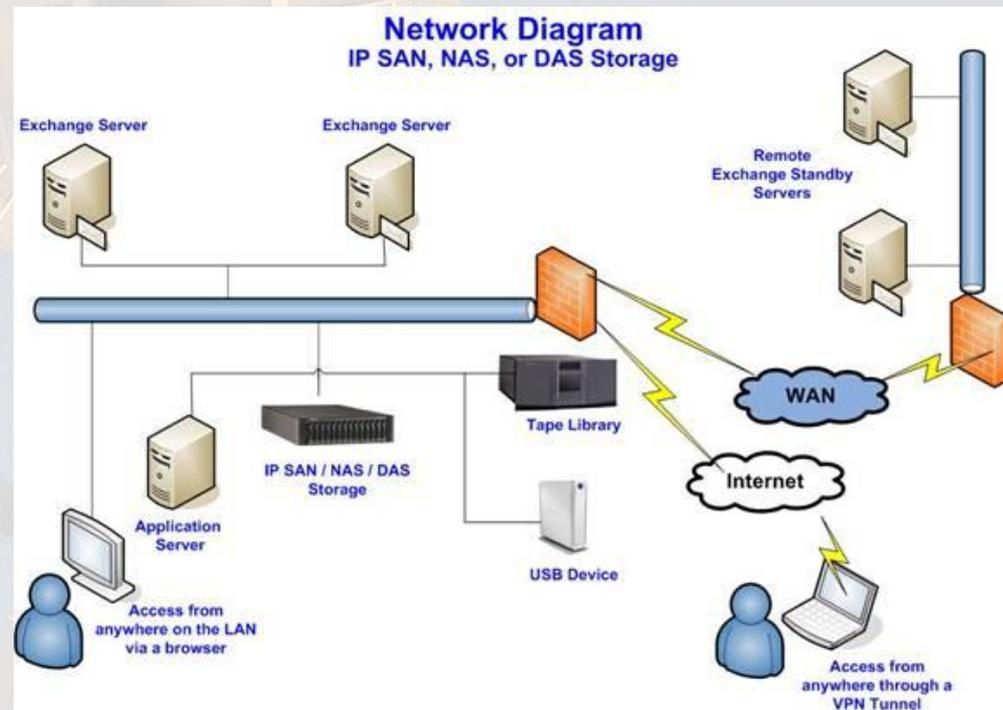
Let's Go Digital



System Redundancy

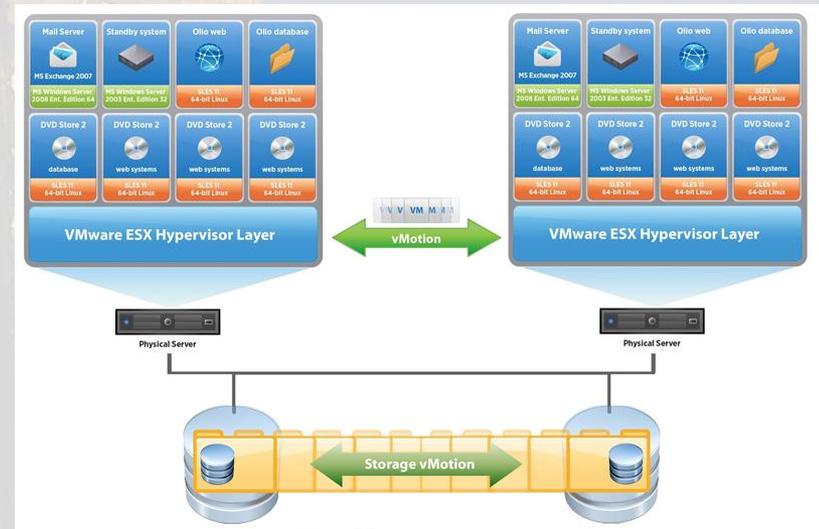
Redundancy refers to:

- Backup Servers
- Backup Equipment
- Backup Applications
- Backup Locations
- Web-based Apps



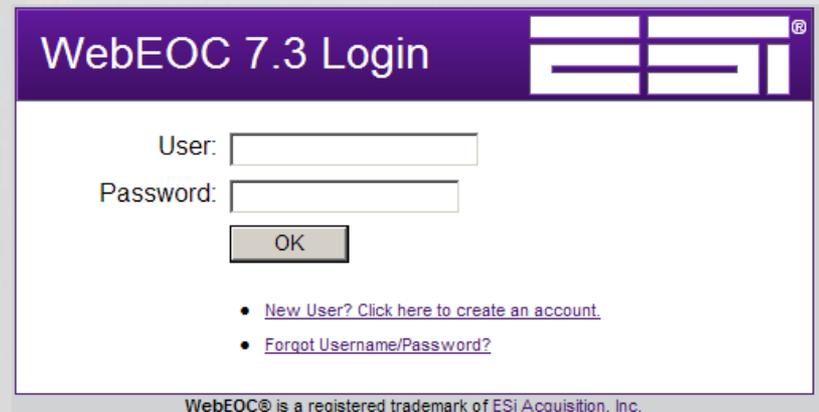
Virtualization

- LAN migration in October of 2011
- Thin Clients offer greater reliability and flexibility
- WebEOC and other apps now “in the Cloud” via a virtual server
 - Provides automatic systems data replication and backup
- ISD Support
 - Provides 24/7 for all critical systems
 - ISD provided metrics on system availability



Newly Added Capabilities

- WebEOC Version 7 Upgrade
- Employee Notifications
 - Database Automatic-Import
- WebEOC WebFusion
- Survey Module
- Mobile Applications



WebEOC 7.3 Login

User:

Password:

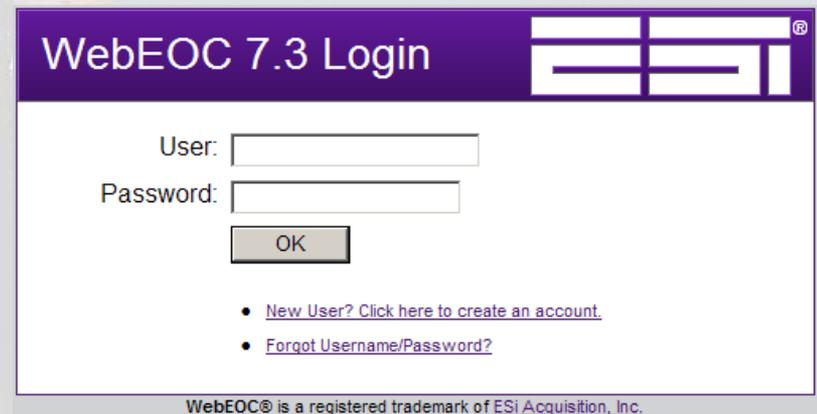
OK

- [New User? Click here to create an account.](#)
- [Forgot Username/Password?](#)

WebEOC® is a registered trademark of [ESI Acquisition, Inc.](#)

WebEOC Upgrade

- 2011 is a completely new setup of WebEOC
- Migrated from Version 6.5 to Version 7
- New Boards
- New Positions
- New Users
- All inclusive with EPHAs checklists, etc.



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OK

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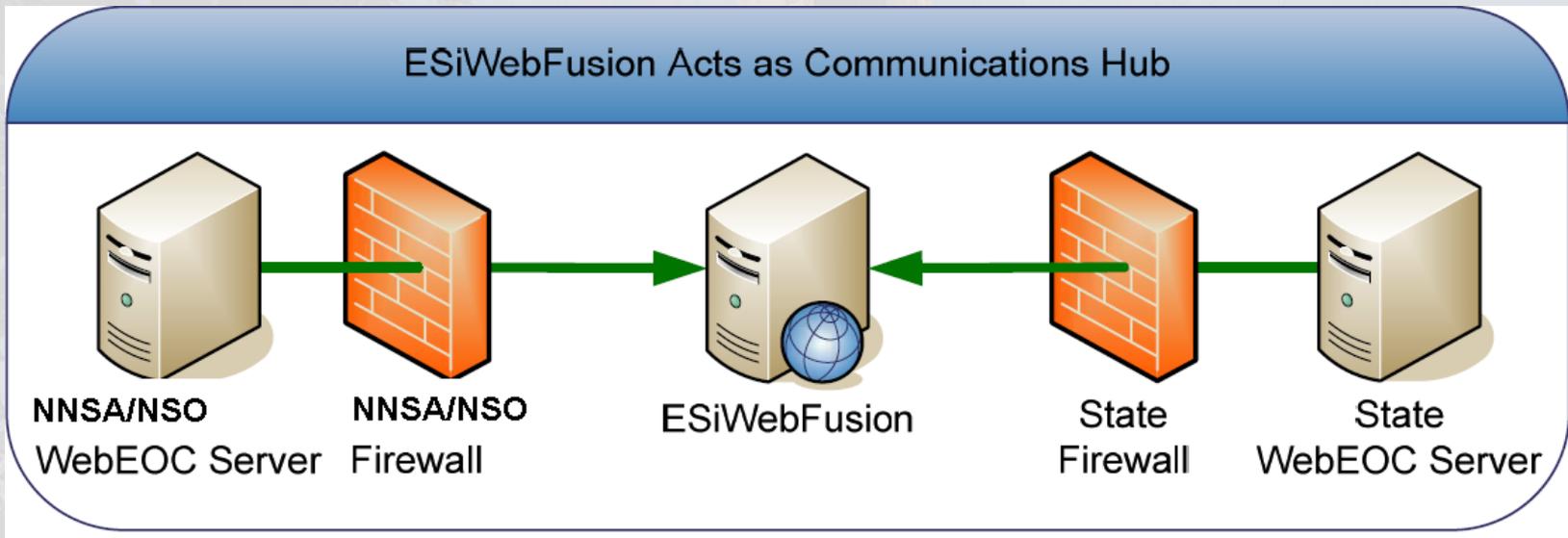
WebFusion

The WebFusion server allows for:

- Sharing WebEOC data electronically
- Real-time information sharing between NNSA/NSO and the State of Nevada



ESiWebFusion Acts as Communications Hub

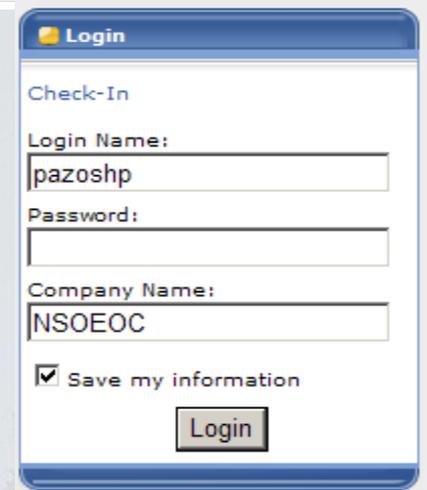
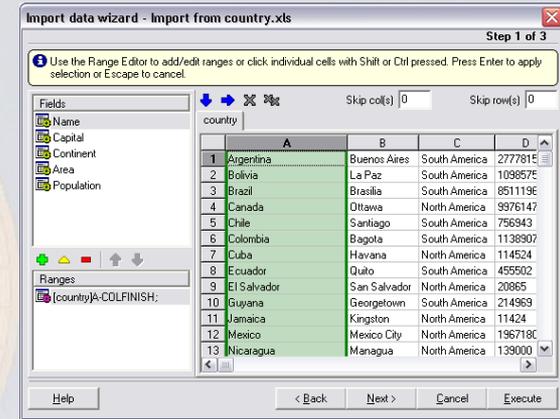


Leading through Communications

- How will you get the word out?
- Can it be done quickly?
- Will employees be able to provide information on their status?
- DON'T wait until disaster strikes!



Auto Import



- Communicator! NXT automatically imports all NSTec employees every week.
 - Communicator! NXT has the capability to notify employees in outlying locations (e.g., Los Alamos Operations, Lawrence Livermore National Laboratory , Remote Sensing Laboratory–Andrews) in minutes.
- The “Are you OK” scenario via The Communicator! NXT helps to ascertain the availability and the accountability of employees.
- The Communicator! NXT survey module uses phone or e-mail surveys and is available during Pandemic or Disaster/Business Recovery

Survey Module



NSTec

Please answer the questions below in order to help the management team facilitate an adequate response to the impending pandemic. To stay well, wash hands frequently or use alcohol-based hand gel, and avoid touching your eyes or your face. This situation is rapidly evolving and we will provide updates as information has been confirmed by the Department of Health and the Centers for Disease Control.

1. Have you or your family traveled to affected areas?

YES ▾

2. Have you or your immediate family experienced symptoms similar to seasonal flu – headache, body aches, fever or cough?

YES ▾

3. If necessary, are you prepared to work from home?

YES ▾

4. In the event of office closure or closure notices, what is the best available phone number at which to reach you? Please respond with a ten digit phone number, i.e., 7025555555.

5. If you have experienced symptoms, what was the date that you first noticed the symptoms? Please type the 2 digit month, 2 digit day and 4 digit year, i.e., 05152012.

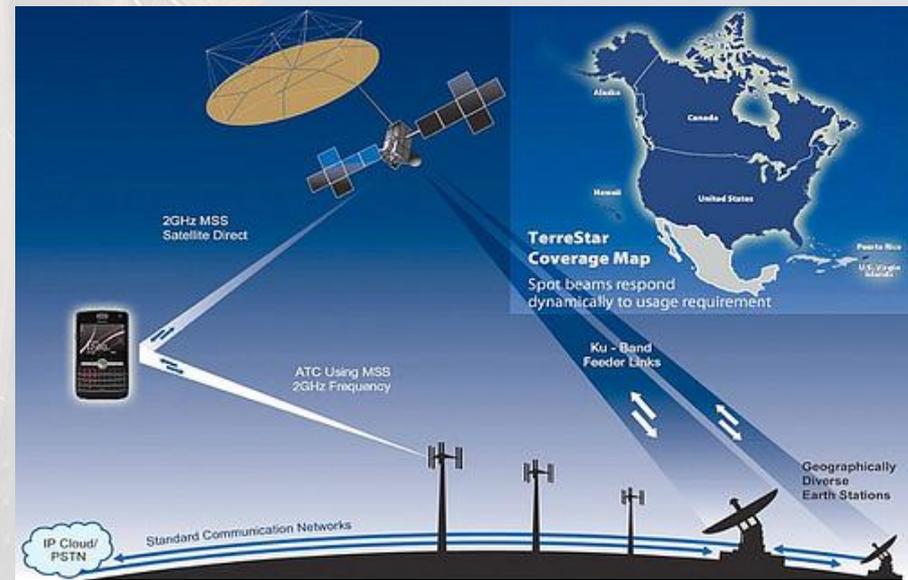
Thank you for taking the time to complete this survey. We will be contacting you with updated information as we receive it from the Department of Health and the Centers for Disease Control.

Submit Survey

Pushing the Envelope

Future technologies and methodologies we are researching include:

- Desktop Alerting
- Self-Registration Portal
- Alertus
- Satellite Smart Phones



Questions?

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