



Technology Working Group 2015–2016 Annual Report

Created: 5-16-2016
By: Henry P. Pazos III
TECHWG Chair

Working Group Officers

Chair: Henry P. Pazos III, National Security Technologies (NSTec), Nevada Field Office, Las Vegas, NV

Co-Chair: Jonathan Pack, Oakridge, Y-12

DOE Advisor: Lori Thomas, U.S. DOE/NNSA NA-41

Steering Committee Advisor: Donna Thelen, Mission Support Alliance, Hanford

ORISE Coordinator: Risa Brodeur, ORAU-ORISE

2015–2016 EMI SIG Technology Working Group Activities

Introduction The purpose of this report is to provide the EMI-SIG Steering Committee/Sponsor (NA-41) with the results of the Technology Working Group (TECHWG) efforts during the 2015-2016 EMI SIG Year.

2016 Annual Meeting The focus of the 2015 and the 2016 EMI SIG Annual Meetings was the Rewrite of the DOE Order 151.1C and DOE's Response to the DNFSB's 2014-1 Recommendation to the DOE. As a result, the TECHWG focused their efforts at the EMI SIG Conferences on developing Tasks to assist the DOE and EMI SIG Steering Committee with Technology-Based Improvements. Recommendations on Equipment Testing, Emergency Facilities Habitability, and other recommendations were made for inclusion in the new DOE Order. Additionally, Technology Tasks were developed and recommended. Specifically:

- Develop a Technology Equipment Listing for equipment at all DOE Sites (*completed*)
- Update the EMI SIG TECHWG Charter to include a Recommendation for emergent technologies to be vetted through the EMI SIG TECHWG (*completed*)
- Identify Common Notification Requirements and a Model for Emergency Information Management (WebEOC and/or EMInS interoperability) (*ongoing*)

TECHWG Monthly Conference Calls: Since last year's 2015 Annual Meeting, the TECHWG conducted four Quarterly TECHWG Teleconferences during the 2015-2016 EMI SIG Year. These Quarterly Teleconferences were used to provide technology updates, share presentations on technologies with other EMI SIG TECHWG Members, as well as to discuss the upcoming 2016 EMI SIG Conference in Leesburg, VA.

Current Objectives: The TECHWG continues to discuss the path forward for Emergency Management Technology Solutions across the DOE Complex. Common Technologies and Emergency Management Solutions are continually discussed, shared, and complex-wide usage of Emergency Management common technologies is encouraged. Another objective of the TECHWG is to discuss common IT challenges encountered throughout the DOE Complex, and identify a solution to those challenges.

During the Quarterly Teleconferences: The Working Group continued to utilize Web-based Adobe Connect Conferencing Software, which allowed TECHWG Members to demonstrate their technologies, used at their locations. Quarterly teleconferences have averaged 6-10 attendees per teleconference. All action items are addressed, in order of importance to the Technology Community. Highlights and meeting notes, capturing



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progress made, are developed, approved, and posted on the TECHWG SharePoint site. Products Use of iPads in the Emergency Operations Centers has been identified as a useful tool for Emergency Planning and Preparedness, as well as Emergency Operations. LLNL and Nevada Field Office are currently using iPads. iPad use across the complex is encouraged. An Emergency Management Application for Smart Phones is also being discussed and researched.

Issues: New Technologies at various DOE Complex Facilities proves to be challenging, as a result of Cyber Security restrictions. For example, several Sites have iPads, but their use is limited, based on inability to bring them into Limited Areas.

Conclusion: In conclusion, the TECHWG will continue to improve TECHWG knowledge and share resources across the DOE/NNSA complex and has identified the following actions:

- Continue the annual TECHWG Meeting and Conference at EMI SIG
- Continue to collaborate and benchmark common technologies such as notification solutions, radio platforms, protective action solutions, cloud computing, and emergency management software
- Share successful methodologies
- Continue discussing and recommend utilization of common Technologies across the complex, such as Notification Solutions, but most specifically, a common Incident Information Management System, such as WebEOC
- Continue to identify and address current Technology issues, challenges, and strategies during quarterly teleconferences
- Share lessons learned
- Share training products, templates, and tools
- Capitalize on Social Media advances for Emergency Management and Emergency Public Information use

The Technology Working Group will continue to support the Steering Committee and any and all Subcommittees in the upcoming year.

Leadership

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