

CYBER SECURITY OPERATIONS CENTER SUMMARY

Cyber security is not new, however the recent high-profile breaches headlined in the media have elevated its visibility and underscore its importance. A cyber security attack on the Port of Los Angeles (LA) could not only disrupt its operations, but also potentially have devastating impacts to the nation's economy because of the one billion dollars worth of goods moving through it each day. While the cyber risks cannot be eliminated as long as computers are used, the cyber risks can be reduced.

The Port of LA took a significant step towards reducing its cyber risks with the implementation of a state-of-the-art Cyber Security Operations Center (CSOC). The CSOC includes advanced hardware and software that is used to proactively monitor the computer environment to prevent a breach and be able to quickly detect and respond if a breach does occur. The CSOC is also the technical nerve center, which collects cyber security data that can be analyzed and shared with other agencies. In addition to addressing the immediate issues, the CSOC also provides the necessary foundation for the Port of LA to securely capitalize on future opportunities and trends.

The CSOC has been a success from project execution into operations. The project was completed ahead of schedule, within budget and in accordance with the requirements. In operations, the CSOC has already demonstrated its capabilities in actual situations. In summary, the CSOC:

- Has reduced the cyber risks for the Port of LA by complementing its existing cyber efforts with improved cyber defense and response, and data analysis and sharing
- Used creative approaches to move this project forward and achieve the best possible results
- Was very cost-effective because of grant reimbursement
- Has received continued support to build upon its success
- Is transferrable to every port as we all face the same challenges

The Port of LA appreciates the opportunity to present the CSOC for consideration of the 2014 AAPA IT Award. The CSOC is a relevant, timely and proven effort for the most challenging issue facing IT organizations today and for the foreseeable future. While we understand that all ports have had worthy accomplishments over the past year, we believe that the CSOC is an exceptionally strong candidate for this year's award.

CONTACT INFORMATION

Lance Kaneshiro, CISSP, Port of LA Chief Information Officer

Timothy Lee, CISSP, Port of LA CISO and Project Manager

Vendor Partners: Accuvant and RSA

