

SECURITY WORKING GROUP 2006 ANNUAL REPORT TO THE DIRECTORS

Introduction

The EFCOG Executive Directors approved the formation of the Security Working Group (SWG) in March 2005 to help fulfill the Critical Few objectives in the area of security. The purpose of the SWG is to provide a strong focus for meeting the Department of Energy (DOE) Security Management challenge by enhancing the protection of Special Nuclear Materials (SNM), classified matter, property, and cyber systems.

The group will promote excellence by sharing information and lessons learned, and by facilitating the application of information and techniques as appropriate throughout the complex.

The scope of the SWG includes both Safeguards and Security (S&S) and Cyber Security.

Membership

The SWG continues to be in a startup mode, and members continue to be recruited. As of October 2005, Mark Strauch (LLNL) and Obie Amacker (PNNL) were named the chair and co-chair respectively. Bruce Warner (LLNL) serves as the EFCOG sponsoring Executive Director.

The SWG is composed of two subgroups. The Cyber Security Subgroup is chaired by Kenneth Neves (LLNL), and the Safeguards and Security Subgroup is chaired by Judith Johns (Y-12). In addition to the chair, vice-chair, and subgroup chairs, the Steering Committee currently includes:

Ron Detry	Vice President for Security, SNL
Steve Liedle	General Manager, Y12 National Security Complex
Shirley Baker	Chair, Nuclear Security Information Exchange (NSIE)
Judy Johns	Special Assistant to the Director Governor's Office of Homeland Security/DOE/NNSA Liaison, Tennessee
Jack Killeen	Security Division Leader, LANL
Obie Amacker	Director, National Security Policy and Technology Division, PNNL
Mark Bentle	Division Manager, Safeguards & Security, BWXT Pantex
Larry Brede	General Manager, Wackenhut, SRS
Mike Ebert	General Manager, Wackenhut, NTS
Kenneth Neves	CIO, LLNL

DOE sponsors of the SWG include the following:

Glenn Podonsky	Director, Office of Security and Safety Performance
Bill Desmond	NNSA, Director, Nuclear Safeguards and Security Program
Bob Walsh	Director, Office of Headquarters Security Operations
Linda Wilbanks	NNSA CIO
Jim McConnell	NNSA Nuclear Safety

Objectives and Achievements

The Safeguards and Security Subgroup is focused on the physical protection of DOE assets. Their scope includes effective implementation strategies in response to the Design Basis Threat such as technological solutions and the security/safety interface, as well as security policy implementation regarding Foreign Nationals, materials control and accountability, and other issues of interest to the security community. The safety/security interface has been the main focus of this subgroup over the past year.

The Cyber Security Subgroup is focused on the growing threat to computer and information systems, and the need to track and demonstrate compliance with regulations. The Cyber Security Subgroup has been inactive over the past year. It has demurred in large measure other forums that bring CIOs and cyber security specialists together. These include, for example, the Systems of Labs' Computing Coordinating Committee (SLCCC), which represents the 15 national laboratories. In addition, the split CIO functions between the DOE and NNSA have complicated cyber security policy and approach.

The Security Working Group's interests intersect with a number of other EFCOG groups. For example, the topic of the interface between security and safety strongly involves the Safety Analysis Working Group (SAWG). In addition, through cross memberships, the SWG maintains liaisons with the NSIE and the Systems of Laboratories Computing Coordinating Committee (SLCCC). It is expected that implementation of 10CFR824, *Procedural Rules for the Assessment of Civil Penalties for Classified Information Security Violation*, will require interacting with the PAAA work group.

Safeguard and Security subgroup Achievements

The safeguards and security subgroup was very active in interacting with the Safety Analysis Working Group in developing a topical report on security and safety integration. This report was forwarded to the Directors in August, 2006.

Security Working Group Achievements

The Security Working Group completed a survey of issues related to foreign national visits and assignments (DOE O 142.3). This survey was forwarded to Mr. Desmond in March, 2006.

Planning for the Year Ahead

The Security Working Group has yet to convene its Steering Committee, whose members have shifted slightly over the past year. This is needed in early 2007. Other initiatives under consideration:

- Continued interaction between the SWG, SAWG, and NA-70 will be required to realize benefits associated with the safety/security topical report. In particular, the central collection and dissemination of safety-related analysis of security systems is essential.
- A workshop on best practices associated with managing foreign nationals was planned in 2006, but constantly delayed. This needs to be scheduled in 2007.

- The Design Basis Threat (DBT) is not implemented in a risk-informed manner. There is growing interest in developing a risk-informed methodology associated with DBT implementation, and a workshop on this topic will be scheduled in 2007.
- HSPD-12 continues to evolve and present challenges in implementation. Although some believe the EFCOG community has been overcome by events, there still remains a great deal of work regarding implementation, especially on the cyber side. This implementation, however, is complicated by the split physical access/cyber access provisions and execution at both headquarters and Federal level.

Lessons Learned

The SWG competes with other security initiatives across the DOE and NNSA enterprise. These are enumerated under recommendations below.

Effectiveness Evaluation

The SWG has a mixed record on effectiveness at this point. The cyber security subgroup has been ineffective, while the safeguards and security subgroup has been very effective. Effectiveness has been hampered by the time constraints of the current chair.

Recommendations

There are a number of challenges for this working group that should be considered by the EFCOG Board of Directors. These include:

- The functions of this working group are duplicated at some level by other efforts across the DOE enterprise. These include the Nuclear Security Information Exchange (NSIE), the Security System Engineering Team (SSET), and the recently launched Nuclear Weapon Complex (NWC) Integration initiative. A specific sub-element with the NWC initiative is security. In a period of flat or declining security budgets, it is difficult to cover multiple security initiatives.
- A new chair should be selected.
- A new subgroup centered on process control security should be stood up. Joe Riddle, Washington Group International, SRS, has offered to lead this effort.
- A new subgroup centered on 10CFR824 should be formed, and modeled after the PAAA group.
- Although cyber security challenges are substantial, the current budgets and reactive nature of cyber issues tend to preclude effective strategies in getting ahead of issues. The cyber security subgroup should be disbanded at this time.