

**NAVSEA 00T ACQUISITION ENVIRONMENTAL, SAFETY AND
OCCUPATIONAL HEALTH (ESOH) ADVISORY COUNCIL (AESOHAC)
MEETING MINUTES AND ACTION ITEMS**

28 August 2002

Washington Navy Yard (Building 197)
1333 Isaac Hull Avenue, S.E.
Conference Room 4W1603/4W1604
Washington, DC 20376

ATTENDEES:

See Attachment 1 for attendees and membership.

INTRODUCTION:

The meeting began promptly at 1000 with the Chairman giving a short introduction and asking the attendees to introduce themselves. After the introductions were complete, the Chairman proceeded to go over the current open action items.

STATUS OF ACTION ITEMS:

- 1) Mr. Dave Cartwright to provide the Council with a copy of the SSGN System Safety Process, following its approval for general distribution. Status: Continuing. According to Mr. Cartwright, the document has not been officially approved yet. The Process document should be finalized by the end of September.
- 2) Ms. Leslee Shumway to prepare a list of currently funded or on-going marine mammal research studies and provide this list to the Chairman for distribution to AESOHAC. Status: Closed. In lieu of Ms. Shumway's report, the Chairman distributed a presentation made by Dr. Robert Gisiner of ONR outlining current research efforts. This report was emailed to members in mid-July.
- 3) Members are to review the AESOHAC Charter and forward their comments to the Chairman. Status: Continuing. Although no comments were received from members, the Chairman is going to make additional changes to the document based on the DoD 5000 series rewrite. The updated version of the Charter will be distributed among the members for a final review once it is completed.
- 4) Members are to review the CVNX Hazardous Materials Avoidance List and CNO Guidance and give comments as to what other materials should be considered for a proposed NAVSEA Hazardous Material Avoidance List. Status: Closed. The Chairman is currently working with Mr. Kiet Ung of NSWC Carderock Division and others to consolidate a list of NAVSEA "to avoid" substances for use in the acquisition process. To aid in the process, Mr. Carmen DiGiandomenico provided a file included in the ESOH Systems Engineering Integration Workshop. This file is attached as: "*EPA-33 Chemical List.doc.*"
- 5) Mr. Fred Crowson to draft a letter regarding updating the applicable safety and occupational health instructions and provide this letter to the Chairman for distribution. Status: Closed. This action was overcome by other events within NAVSEA. See Mr. Brian McCaffrey's presentation below on Safety Initiatives.
- 6) Members to review the ESOH Guide for Program Managers that was previously distributed and provide their comments to the Chairman. Status: Postponed. The Guide may have to be altered depending on potential changes to the DoD 5000 Series.

SSGN ESOH MASTER PLAN

The first presentation was given by Mr. Dave Cartwright of PEO(SUB) and Mr. Tom Korzenowski of Electric Boat. The focus of the presentation was the Ohio Class Guided Missile Submarine (SSGN) Conversion Program, and the Environment, Safety, and Occupational Health (ESOH) master plan that is currently being finalized (see Action Item #1 above). This presentation is included with these minutes as: “*SSGN Master Plan.ppt.*”

The SSGN ESOH master plan is an integrated ESOH process based upon the lessons that were learned from the Virginia Class environmental program. Among these lessons, one of the most important was that economies could be realized from creating an integrated process that combined environmental, system safety, and occupational safety and health issues.

Beyond this benefit, the SSGN ESOH master plan was structured with the dual purposes of providing details of the ESOH program in accordance with the SSGN Programmatic ESOH Evaluation (PESHE), and also addressing Weapon System Explosives Safety Review Board (WSESRB) findings concerning having an integrated program. The objectives of the master plan were to: 1) Comply with DoD 5000.2-R, Navy policy and procedures, international treaties and agreements, Federal, State and local regulations; 2) identify/integrate ESOH considerations into program decisions; and, 3) Support ESOH actions while maintaining program cost, schedule, and performance goals.

Under the SSGN ESOH master plan, there will be an environmental manager (Dave Cartwright) and a system safety manager, who will share staff and meet regularly to discuss problems, etc. The environmental manager will be responsible for NEPA/Executive Order 12114 issues, Environment, Safety and Occupational Health compliance, hazardous materials management, and pollution prevention. The system safety manager will be responsible for overall safety and health, as well as explosives safety. According to Mr. Korzenowski, ESOH hazard analysis is an important part of their strategy early-on in the process. Initially, individual potential hazard lists will be created for environmental, safety, and health hazards.

At this point in the presentation, one of the members inquired whether *all* hazards, or just significant hazards, are covered in the process. Mr. Korzenowski replied that all hazards are considered – at least to the identified/not accepted level, as with the Virginia Class program. Upon further questioning, Mr. Korzenowski added that the decision to accept, mitigate, or change the design to address a specific hazard is made at a level commensurate with the hazard’s severity.

Another member asked what the difference is between the PESHE and the SSGN’s ESOH master plan. Mr. Korzenowski replied that the PESHE is a general plan that speaks in broad terms. The master plan, on the other hand, includes the specific details of that plan and integrates all the information associated with it. In reply to another question, Mr. Korzenowski informed the members that the question of who will maintain the database associated with the master plan is still under discussion, although it will probably be NUWC Newport Division. Originally, Raytheon and Electric Boat were sending data to NUWC Newport Division that was then input by hand, but that became unrealistic. Now, it is hoped that everyone will be able to input data remotely and directly.

Once Mr. Korzenowski had gone over the structure of the master plan and process, the members asked questions specific to its design. One member inquired whether the hazard/impact identification form is electronic. Mr. Korzenowski answered that it is, and that it is programmed and automated as much as possible based on the master plan and other ESOH documents, regulations, etc. to limit mistakes and put everyone on the same page. When asked whether the system notifies responsible users/parties when a new potential hazard is identified, Mr. Korzenowski replied that it does not. Program Managers must go into the program and look at what hazards have been identified, and whether they are under their purview.

In general, members thought that the system would be more beneficial if it contained a notification component to alert the proper individuals as new problems or hazards emerge. Mr. Korzenowski and Mr. Cartwright agreed, but stated that the need to notify individuals, or even flag items, had never developed in the current program or prior Virginia Class program. Users communicate and meet frequently enough that that potential need is addressed.

One member asked whether Electric Boat considered the possibility of an identified hazard being labeled proprietary information. Mr. Korzenowski answered that he could not imagine a instance or situation where that might happen. None occurred during the Virginia Class program. When asked about the cost of the SSGN master plan process, Mr. Korzenowski and Mr. Cartwright stated that it was an infinitesimal percentage of the entire SSGN program. Only a few man-weeks of labor were required to construct it, and it will most likely be a huge cost-saver over the life of the program. The program is based on MS Access, and is not that technically complicated.

DoD 5000 SERIES REWRITE DISCUSSION

Because there have been very few developments regarding the DoD 5000 series rewrite since the last AESOHAC meeting in July, this agenda item was not discussed by the members.

SEA 00T SAFETY INITIATIVES

The final presentation was made by Mr. Brian McCaffrey of SEA 00TP on new safety initiatives. In support of his presentation, Mr. McCaffrey provided a final draft of the Safety in Acquisition Working Group's issue paper that was submitted to the Safety Task Force for review and action. This issue paper is attached to the minutes as, "*Safety Issue Paper.doc.*"

According to Mr. McCaffrey, the safety community is going to undergo major organizational changes in the near future. For example, the Safety Center is going to function as the safety office for the entire Navy and Marine Corps. In doing so, the Safety Center will concentrate all safety issues for all vessels and weapon systems.

In addition, a Human Systems Integration (HSI) code is going to be created within NAVSEA. The primary goal of HSI is to "enhance and improve the performance of the warfighter who will be on the platform." This new "00" office will be staffed with 25 people, and will focus on trying to incorporate the "human element" early on in the human evaluation process. Specifically, HSI will have responsibility for man-power, training, human factors engineering, safety, and risk management issues related to human performance. HSI will parallel ESOH Safety in many respects, and certainly impact the acquisition community.

At this point in Mr. McCaffrey's presentation, one of the members asked whether the Safety Center has actually received funding for the changes that are to take place at the Center. Mr. McCaffrey responded that the Admiral has made a commitment, although it is questionable whether or not it will be staffed. The Admiral wants to make the Safety Center a "one-stop shop" for all safety issues, including those within the acquisition community. Hopefully, by consolidating data, the Safety Center will help new programs avoid starting from scratch on ESOH issues, and will also help limit designs that have flaws and/or invite human error.

POTENTIAL FUTURE TOPICS

The Chairman requested all AESOHAC members to consider and suggest potential future topics to be discussed.

NEW AND CONTINUING ACTION ITEMS:

- 1) Mr. Dave Cartwright to provide the Council with a copy of the SSGN System Safety Process, following its approval for general distribution.
- 2) The Chairman is to make additional changes to the AESOHAC Charter based on the DoD 5000 Series rewrite and distribute to the members for comment.
- 3) Members to consider and suggest potential future topics for AESOHAC to discuss.

NEXT MEETING:

The next AESOHAC will tentatively occur on 9 October 2002. The meeting's location and agenda are TBD.

Attachment 1

Attendees for SEA 00T Acquisition ESOH Advisory Council Meeting
 28 August 2002
 Building 197 (Conference Room 4W1603/4W1604)
 1000 – 1200

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