Tennessee Valley Chapter Executive Officers

President: Mike Pessoney,
256-842-6559, mike@isss-tvc.org

President-Elect: Jonathan Henshey,

256-876-9271, jonathan.henshey@us.army.mil

Treasurer: Phil Eder,
256-842-8626, philip.eder@us.army.mil

Secretary: Myris Dowdy,
256-450-1736, myris.dowdy.ctr@mda.mil

Past President: Pam Kniess,
256-842-7001, pamela.kniess@us.army.mil

Special Events Coordinator: Jim Blanteno
256-313-2090, james.s.blanteno@us.army.mil

Webmaster: Don Swallom
256-842-8641, swallom@isss-tvc.org

President's Corner

The TVC Chapter is off to a good start this quarter with us new officers learning our jobs. So far we have been poor on food at 2/3 of our meetings and late on announcements with my promise to improve in October. My plan is to provide an outlook calendar with all 2010/2011 meeting dates. Topics and locations will be provided during the first week of each month. The "old" officers are pitching in to help and providing invaluable support. I welcome all inputs on how to improve the chapter during this year so send me your ideas.

Special thanks go to Pam Kniess and Darlene Davenport for promptly rebuilding the archive diskettes at the conference.

Secretary's Meeting Minutes

21 July 2010 TVC SSS Meeting

The July meeting of the TVC was held at APT-Research with new officers presiding. President

Mike Pessoney welcomed 23 members and 14 guests to hear the presentation given by Gary Braman on The Software Safety Critical Function Analysis: The First Step in Developing Safe Software. APT Research provided the facility and lunch. Officers for the 2010 - 2011 fiscal year were introduced. Mr. Pessoney also announced he needed a volunteer for HATS representation.

Ms. Rhonda Barnes announced she needed volunteers to review the draft of the final report for the 2009 conference. She made available a CD which contained the final report, lessons learned and financial information for those that volunteered.

Mr. Pessoney will conduct a meeting for TVC SSS members who plan to attend the upcoming 2010 ISSC in Minneapolis, 30 August – 3 September.

Mr. Pessoney presented Ms. Pam Kniess an appreciation award for all of her dedication to the TVC SSS.

Mr. Braman's presentation discussed the hazard analysis process for which a software safety engineer would perform during the development phase of software. The hazard analysis process is an activity that identifies and mitigates the exact software contributors to hazards. The first step in this process is the conduct of the System Safety Critical Function Analysis (SSCFA) which documents the identification and assessment of the safety-critical software functions. The analysis begins by constructing a worksheet to document the analysis of each software function to determine if it's safety critical and developing a Software Criticality Matrix used in the analysis of each software function. Each function that was determined to be safety critical was further analyzed and assigned a Software Criticality Index (SCI) and a RTCA/DO-178B Software Level. The presentation walked through this process by example.

The System Safety Society
Organized 1962
Incorporated 1973

Professionals Dedicated to the Safety of Systems Products and Services

Tennessee Valley Chapter

Sept 2010

http://www.isss-tvc.org/

30 Aug 2010 TVC SSS Meeting

Mr. Mike Pessoney held a meeting in conjunction with the 2010 International System Safety Society Conference held in Minneapolis, Minnesota. Mike highlighted the events at the conference. Twenty three members and three guests were present.

15 Sep 2010 TVC SSS Meeting

Mike Pessoney thanked Mr. Steve Hosner for QinetiQ-NA hosted the meeting and provided refreshments. The Tennessee Valley Chapter won Chapter of the Year Award and Mr. Pessoney stated that the plaque, once engraved, will be moved around to companies that provide support to the society. Several Tennessee Valley chapter members were recognized: Ms. Rhonda Barnes received the National Society President's Award; Mr. David West received the National Manager of the Year Award; Mr. John Frost received the National Professional Development Award. Mr. David West and Mr. Bill Pottratz were upgraded to fellow members. Phil Eder was presented the Huntsville Association of Technical Societies (HATS) Professional of the Year Award. Mr. Steve Hosner, QinetiQ-NA, presented a brief entitled "System and System Safety Engineering: Complementary Disciplines" to 18 members and 3 guests. Mr. Hosner highlighted basic tools of Systems Engineers as Functional Block Diagrams and System Description. The System Safety Engineers basic tool is the fault tree. He provided an example of high pressure air system functional diagram and system description broken down to functions. The Safety Engineer is concerned with the unintended harmful effects of system malfunction. Safety Engineers look at a systems life span, how long it needs to perform without malfunction and the probability of failure. The Safety Engineers can use fault tree analysis to see how close we are to the safety requirement, and if it is not close enough, provide input into the System Engineering Process to design fault independent additions to the system; redundancy or appropriate safeguard. Fault Tree Analysis can be used to see how the system refinements affect safety.

Vice President's Corner

Oct 2010 meeting will be held on 20 Oct at SAIC, where Dave West will brief us on G-48 activities. A more detailed meeting announcement will be provided the first week of October.

Special Events Corner

2010 International System Safety Society Chapter of the Year Tennessee Valley

The System Safety Society

Organized 1962
Incorporated 1973

Professionals Dedicated to the Safety of Systems Products and Services

Tennessee Valley Chapter

Sept
2010

http://www.isss-tvc.org/

President Warren Naylor presenting Rhonda Barnes with President's Award

Warren Naylor presenting John Frost with Professional Development Award

Tennessee Valley Chapter Award Winners

Bill Pottratz - Upgrade to fellow;

Dave West – Manager of the Year Award and

Upgrade to Fellow;

Rhonda Barnes –Presidents Award

John Frost –Professional Development Award

Dave West accepting Manager of the Year Award

The System Safety Society
Professionals Dedicated to the Safety of Systems Products and Services

Organized 1962
Incorporated 1973

Tennessee Valley Chapter

http://www.isss-tvc.org/

Sept
2010

HERE IT IS CAUGHT ON PICTURES - EYE TO EYE CONTACT OF THE VIRTUAL CHAPTER (with a few TVC members)

APT is offering **Training Courses – all classes will be at APT Research, Huntsville AL.**

Upcoming courses include Safety Assessment for Explosives Risk (SAFER) - October 12-13; IMESAFER, October 19-21; Explosives Safety, November 8-11; and Software System Safety, November 16-18

Course descriptions can be obtained at APT's web site - www.apt-research.com
Registration Info 256-327-3396