

Systems Security Engineering Capability Maturity Model (SSE CMM):

Mr. Charles G. Menk III

Mr. Menk will bring the audience up to date with project developments since the 19th NISSC presentation, to include discussions on :

- Pilot Results
- Model Developments
- Appraisal Method Development
- Future Goals

PANEL: ALTERNATIVE ASSURANCES: IMPLEMENTATION OF BETTER WAYS!

Moderator

Mary D. Schanken, National Security Agency

Panelists

Todd D. Schucker, NSA
LT Renell D. Edwards, NSA
Charles G. Menk III, NSA

Trusted Capability Maturity Model (TCMM):

LT Renell D. Edwards

The TCMM project is an integrated reference model derived from the software assurance principles contained in the Trusted Software Development Methodology (TSM) and software process improvements described in the SEI CMM. The TCMM exists to tailor the CMM for the purpose of transferring software assurance to the development process and thereby significantly reducing the expensive, lengthy post-development testing and evaluation cycle while providing a more reliable, quality software process managed product. LT Edwards will discuss the following topics related to this project:

- TCMM History
- TCMM mapping to the Evaluation Level 3 of the Common Criteria (an Alternate Assurance method)
- How TCMM affects the Evaluation Process
- Projected Goals

Network Rating Methodology (NRM):

Mr. Todd D. Schucker

The purpose of developing a NRM is to provide a framework and common terminology for assessing the security protection provided by a network within the context of its mission and operational environment to determine its strengths and vulnerabilities. Obtaining knowledge of the security posture of ones system is a high priority for any system manager. For business and mission reasons, we often connect our networks to other networks. It is no longer prudent to be content with simply understanding the risk involved in running our data on our own network. We must be able to view, analyze, and understand the network assurance not only for our own networks, but for those other networks to which we may entrust our data resources. There is a strong need for a methodology which will allow network managers to compare security needs, practices, and protective provisions using a common terminology and a common means of evaluation. Mr. Schucker will discuss the following NRM project topics:

- FRAMEWORK
- TERMINOLOGY
- TOOLS
- FUTURE