

SSE-CMM Pilot Results

Moderator: Mary Schanken, NSA

The Systems Security Engineering Capability Maturity Model (SSE-CMM) is being developed through community-based participation by those involved in integration, development, products, acquisition, evaluation, certification, and accreditation. NSA, the sponsor organization, has provided facilitation, technical support, and promotion of the model. Mrs. Schanken will describe the growth of SSE-CMM Project from its inception to the piloting of the model in a number of organizations. An overview of details on the pilot effort will include pilot objectives, the process, and the volunteer pilot organizations.

The specific objectives of the SSE-CMM Pilots were validation of both the model and the appraisal method to produce Version 1.0. The forum speakers will discuss pilot results from three perspectives: 1) the appraisal method; 2) the assessed organization; and 3) the model.

Appraisal Method Perspective Warren Monroe, Hughes Aircraft

Mr. Monroe will focus on use of the Appraisal Method as well as how results of the pilots influenced Version 1.0 of the SSE-CMM Appraisal Method. Mr. Monroe will address pilot results as they relate to application of the model including how the Appraisal Method supports 1) process improvement recommendations; 2) discriminators in supplier

selection and qualification; 3) use by different types of organizations (for example, system integrators, product developers, service providers).

Organizational Perspective Robert Schwartz, TRW

Mr. Schwartz will focus on the implications to organizations that would apply the SSE-CMM to their practices. Results of the pilots will have given the organization feedback as to its strengths and weaknesses with regard to its practice of security engineering as defined by the SSE-CMM. Mr. Schwartz will present the organizational view of: 1) applicability of the concepts defined in the model; 2) ease of use and applicability of the appraisal method; and 3) potential benefits to the organization as a result of the assessment.

The Model Perspective Jan Filsinger, TIS

Ms. Filsinger will focus on how the pilot results were used in updating the SSE-CMM to Version 1.0. Aspects of the model that were influenced by the pilot results will be illustrated by: 1) providing a short overview of the SSE-CMM that was used in the pilots; 2) indicating what aspects were changed (for example, process areas, base practices, capability maturity definition) as a result of the pilots.