CC Toolbox™, CC Profile Knowledge Base™ - The Current Status and A Tutorial

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Abstract: After the current status of both the CC Toolbox™ and the CC Profile Knowledge Base™ is presented and questions answered, a tutorial on the CC Toolbox and the CC Profile Knowledge Base will be given. Also the new guide for the less experienced users will be referenced.

The CC Toolbox is a Windows application that aids Protection Profile (PP) authors and Security Target (ST) authors in drafting PPs and STs. It provides structured interviews to aid the novice CC user in identifying the Target of Evaluation (TOE) security environment and pertinent CC components. In addition, it assists all users in managing the complexity inherent in writing these documents. The output of the CC Toolbox is a skeleton report that can be polished into a PP or ST.

The CC Profiling Knowledge Base is a database of sample security engineering information developed to support the CC Toolbox. The Knowledge Base contains sample policy, threat, and assumption statements based upon Department of Defense needs. In addition, it contains security objectives and recommended CC components with rationale and mappings tying together the TOE security environment, the security objectives, and the CC components. The CC Profiling Knowledge Base is extensible and communities of users can modify and add to the Knowledge Base to accommodate their common needs.

The demonstration of the CC Toolbox will cover features used when writing a PP. These features include specifying the TOE security environment, entering security objectives, identifying and selecting pertinent CC components, applying CC component operations, and generating a skeleton PP report. The demonstration of the CC Profiling Knowledge Base will cover the structure of the Knowledge Base. The demonstration will also illustrate using the database forms to modify the Knowledge Base.

Background: This session is for the Protection Profile (PP) and Security Target (ST) authors as well as those interested in the current status of Common Criteria-based tools.

Ed Steeble is the Program Manager for the CC Toolbox and the CC Profile Knowledge Base. He was the initial NSA Program Manager/Deputy Director for NIAP (July, 1997 - June 2000).

Dr. Gary Grainger is an Information Security Engineer in the Secure Systems Department of Mitretek Systems, Inc. He was an active participant in the CC Toolbox project, providing technical support to the National Information Assurance Partnership (NIAP), the project sponsor.