DoD Software Resource Data Reports (SRDRs) and Cost Data Analysis Workshop

Brad Clark, USC-CSSE
Ray Madachy, Naval Post Graduate School

For the past three years, the Air Force Cost Analysis agency has sponsored research into using DoD’s Software Resource Data Reports (SRDR) to improve the quality and consistency of estimating methods across cost agencies and program offices through guidance, standardization, and knowledge sharing. The research goals were to:

- Develop a data segmentation strategy based on application domains and operating environments within DoD
- Analyze collected SRDR data for simple cost and schedule estimating relationships within each segment
- Develop phase distributions for estimated effort within segments
- Develop methods for filling in missing data

The purpose of this workshop is two-fold:

1. Provide an in depth look at what information is in an SRDR:
   a. The role of SRDRs
   b. Who must report
   c. What elements to report
   d. When to report
   e. SRDR Data Elements and Dictionary

2. Show a practical example of processing the data in SRDR records to develop cost and schedule estimating relationships:
   a. SRDR Data Processing Approach
   b. SRDR Data Analysis Approach
   c. Examples of derived cost and schedule estimating relationships

At the conclusion of the workshop, attendees will have an understanding how raw data may provide little value but with intelligent and credible data processing, useful information can be obtained. And that data processing takes time and diligence.