

Name: USC COCOTS

Presenter(s): Ye Yang

Objective: Software cost estimation for systems built from commercial-off-the-shelf (COTS) software components.

Rationale: This software is intended to serve as a tool of COCOTS.2002, which is the commercial-off-the-shelf (COTS) software component modeling extension of COCOMO II. It implements both COCOMO II 2002 and COCOTS 2002 models.

Target Users: Program manager to estimate COTS integration cost.

Scope: This tool provides software cost estimations for COTS-Based Systems based on the combined estimation of COCOMO II and COCOTS models. COCOMO II model is used to estimate custom developed components of an application; COCOTS model is used to mainly focus on estimating three major sources of COTS-related costs: COTS product assessment, COTS product tailoring, and integration or glue code development activities.

Project Type: Multi-year USC-CSE research project.

Runs On: Windows 95, 98, Me, NT, 2000, XP with Microsoft Excel 97 or later (Enable Macros)

IPR Status: Copyright (c) 2002 University of Southern California Center for Software Engineering. All rights reserved.

Technical Approach: Following USC-CSE waterfall modeling approach.

Developers: Dr. Chris Abts.

Future Directions: Model Calibration based on data collection

Demo Description:

USC COCOTS.2002.1:

- 1) COCOTS Assessment submodel
- 2) COCOTS Tailoring submodel
- 3) COCOTS Glue Code submodel
- 4) How to combine COCOTS estimates with COCOMO estimates.