## Course Projects (cont.)

### COCOMO II Features to be tested

<table>
<thead>
<tr>
<th></th>
<th>665</th>
<th>599</th>
<th>Feature(s)</th>
<th>599's Who</th>
<th>665's Who</th>
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<tbody>
<tr>
<td>ED</td>
<td></td>
<td></td>
<td>Loading &amp; saving Projects and Models (including older general calibrations and parameters)</td>
<td>KC</td>
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<td>√</td>
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<td>Adding &amp; Manipulating modules and snapshot</td>
<td>KC</td>
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<td>√</td>
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<td></td>
<td>Post Architecture (PA) models: general ops + check all drivers &amp; scale factors</td>
<td>All; RV</td>
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<td>Early Design (ED) models: general ops + check all drivers &amp; scale factors</td>
<td>All; DM?</td>
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<td>PA</td>
<td></td>
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<td>All size input variations for PA and ED models</td>
<td>DM</td>
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<td>Calibration with 4 and 12 projects</td>
<td>TH</td>
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<td>√?</td>
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<td>Maintenance mode calculations: all variations</td>
<td>DM?</td>
<td>HK</td>
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<td></td>
<td>Function point backfiring tables</td>
<td>VA</td>
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<td>Modify parameters, incl. params. of prev. calib.</td>
<td>TvD</td>
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<td>Phase (output info)</td>
<td>RV</td>
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SE Project Overall Objectives

For your “Assigned Areas” per C-STD (use the CSTD4-6 template)
• Develop & document test description
• Develop & document test cases for
  – At least 1 at nominal/normal
  – 1 @ “max” (impact); 1 @ “min” (impact)
  – 1 outside limits (max & min)
• Run test cases
• Document the results (“Evaluation”)

ALL relevant and necessary "files"

For your “Assigned Area” (cont.)
• In a separate document:
  – Document all additional (recommended) test cases
  – Identify additional tests (simple list)

Project Assignments

Complete Traditional+ Project Plan
(for your "focus areas" plus "Tests by All")

Process:
• Must have: Plan Summary, Time recording log, Defect recording, PIP, YOUR OWN Process script
• May need to write/evolve a process for test execution (especially if it is NOT in the C-STD that you produce).
• Set up to gather separate data from test execution
Traditional+ Project Plan

Traditional Project Plan

- Describes in prose and figures the work to be done including
  - the sketch of the expected results
  - resources required
  - schedule of tasks and activities.

Traditional+ (where + is PPMP techniques) Project Plan

- Process Script (especially if project to be repeated)
- Project Plan Summary & process data recording (Time Recording Log and Defect Recording Log)
- Earned Value Plan
- Possibly Exit Criteria for major tasks

"Test" Process Tasks

1. Start a Project Plan Summary document and associated logs
2. Develop and Earned Value plan
3. Start the Section 4 C-STD parts for your "focus areas": Draft of the "test description"
4. Work/Walk through a few of the test steps of a test case.
5. Complete the Test Description and all test cases.
6. Run the test described in Section 4 of the C-STD, recording results and saving files on the way
7. Analyze the test results as needed.
8. Draft the Test Report (Section 5 C-STD)
9. Proof read C-STD and check analyses.
10. Postmortem
Test Process Script Outline/Hints

1. Project Plan Summary: derivative of PWP0.1
2. Develop an Earned Value plan: derived from PSP1.1
3. Start writing Section 4 C-STD parts ...: from PWP01
5. Complete the Test Description ...: from PWP01
6. Run the test described in Section 4 of the C-STD, recording results and saving files on the way: Follow the Procedures in the Test Plan.
7. Analyze the test results as needed.
8. Draft the Test Report (Section 5 C-STD): from PWP01
9. Proof read C-STD and check analyses: from PWP01
10. Postmortem: like PWP01