PSP1.1 Process Script

Phase Number	Purpose	To guide you in developing module-level programs
	Inputs Required	- Problem description - PSP1 Project Plan Summary form - Size Estimating Template - Historical estimate and actual size data - Time and Defect Recording Logs - Defect Type Standard - Stop watch (optional)
1	Planning	- Produce or obtain a requirements statement. - Use the PROBE method to estimate the total new and changed LOC required. - Complete the Size Estimating Template. - ***Use the PROBE method*** to estimate the required development time. - ***Complete a Task Planning Template.*** - ***Complete a Schedule Planning Template.*** - Estimate the required development time. - Enter the plan data in the Project Plan Summary form. - Complete the Time Recording Log.
2	Development	- Design the program. - Implement the design. - Compile the program and fix and log all defects found. - Test the program and fix and log all defects found. - Complete the Time Recording Log.
3	Postmortem	Complete the Project Plan Summary form with actual time, defect, and size data.
	Exit Criteria	- A thoroughly tested program - Completed Project Plan Summary form with estimated and actual data - Completed Size Estimating Template - Completed Test Report Template - Completed PIP forms - Completed Defect and Time Recording Logs

PSP1.1 Planning Script

Phase Number	Purpose	To guide the PSP planning process
	Inputs Required	- Problem description - PSP1 Project Plan Summary form - Size Estimating, ***Task Planning, and Schedule Planning Templates*** - Historical estimate and actual size data - Time Recording Log - Defect Type Standard

1	Program Requirements	- Produce or obtain a requirements statement for the program. - Ensure the requirements statement is clear and unambiguous. - Resolve any questions.
2	Size Estimate	- Produce a program conceptual design. - Use the PROBE method to estimate the total new and changed LOC required to develop this program. - Estimate the base, added, deleted, modified, and reused LOC. - Complete the Size Estimating Template and Project Plan Summary.
3	Resource Estimate	- ***Use the PROBE method*** to estimate the time required to develop this program. - Using the To Date % from the most recently developed program as a guide, distribute the development time over the planned project phases.
4	***Task and Schedule Planning***	***For projects requiring several days or more of work, complete the Task Planning and Schedule Planning Templates.***
	Exit Criteria	- A documented requirements statement - The program conceptual design - Completed Size Estimating Template - ***For projects of several days' duration, completed Task Planning and Schedule Planning Templates*** - A completed Project Plan Summary form with estimated program size and development time data - Completed Time Recording Log

PSP1.1 Development Script

Phase Number	Purpose	To guide the development of small programs
	Entry Criteria	- Requirements statement - Project Plan Summary with estimated program size and development time - ***For projects of several days' duration, completed Task Planning and Schedule Planning Templates*** - Time and Defect Recording Logs - Defect Type Standard and Coding Standard
1	Design	- Review the requirements and produce a design to meet them. - Record time in the Time Recording Log.
2	Code	- Implement the design following the Coding Standard. - Record in the Defect Recording Log any requirements or design defects found. - Record time in the Time Recording Log.
3	Compile	- Compile the program until error free. - Fix all defects found. - Record defects in the Defect Recording Log. - Record time in the Time Recording Log.

4	Test	- Test until all tests run without error. - Fix all defects found. - Record defects in the Defect Recording Log. - Record time in the Time Recording Log. - Complete a Test Report Template on the tests conducted and results obtained.
	Exit Criteria	- A thoroughly tested program that conforms to the Coding Standard - Completed Test Report Template - Completed Defect Recording Log - Completed Time Recording Log

PSP1.1 Postmortem Script

Phase Number	Purpose	To guide the postmortem process
	Entry Criteria	- Problem description and requirements statement - Project Plan Summary with estimated program size and development time data - ***For projects of several days' duration, completed Task Planning and Schedule Planning Templates*** - Completed Test Report Template - Completed Defect Recording Log - Completed Time Recording Log - A tested and running program that conforms to the Coding Standard
1	Defects Injected	- Determine from the Defect Recording Log the number of defects injected in each PSP0.1 phase. - Enter this number under Defects Injected – Actual on the Project Plan Summary.
2	Defects Removed	- Determine from the Defect Recording Log the number of defects removed in each PSP0.1 phase. - Enter this number under Defects Removed – Actual on the Project Plan Summary.
3	Size	- Count the LOC in the completed program. - Determine the base, reused, deleted, modified, added, total, total new and changed, any new reused LOC. - Enter these data on the Project Plan Summary.
4	Time	- Review the completed Time Recording Log. - Enter the total time spent in each PSP0.1 phase Actual on the Project Plan Summary.
	Exit Criteria	- A fully tested program that conforms to the Coding Standard - A completed Test Report Template - Completed Project Plan Summary form - Completed PIP forms describing process problems, improvement suggestions, and lessons learned - Completed Defect and Time Recording Logs