PSP0.1 Process Script

Phase Number	Purpose	To guide you in developing module-level programs
	Entry Criteria	- Problem description - Project Plan Summary form - Time and Defect Recording Logs - Defect Type Standard - Stop watch (optional)
1	Planning	- Produce or obtain a requirements statement. - ***Estimate the total new and changed LOC required.*** - 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 PIP forms*** - Completed Defect and Time Recording Logs

PSP0.1 Planning Script

Phase Number	Purpose	To guide the PSP planning process
	Entry Criteria	- Problem description - Project Plan Summary form - 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	***Make your best estimate of the total new and changed LOC required to develop this program.***
3	Estimate Resources	- Make your best estimate of 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.***
	Exit Criteria	- A documented requirements statement - A completed Project Plan Summary form with estimated ***program size and*** development time data - Completed Time Recording Log

PSP0.1 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 - 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.
	Exit Criteria	- A thoroughly tested program ***that conforms to the Coding Standard*** - Completed Defect Recording Log - Completed Time Recording Log

PSP0.1 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 - 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*** - Completed Project Plan Summary form - ***Completed PIP forms describing process problems, improvement suggestions, and lessons learned*** - Completed Defect and Time Recording Logs