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| **DEFECT RECORDING LOG INSTRUCTIONS** |

PSP Defect Recording Log Instructions

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| Purpose | * Use this form to hold data on the defects that you find and correct. * These data are used to complete the Project Plan Summary form. |
| General | * Record each defect separately and completely. * If you need additional space, use another copy of the form. |
| Header | * Enter your name and the date. * Enter the program name and number. * Enter the instructor’s name and the programming language you are using. |
| Project | * Give each program a different name or number. * For example, record test program defects against the test program. |
| Date | Enter the date on which you found the defect. |
| Number | * Enter the defect number. * For each program or module, use a sequential number starting with 1 (or 001, etc.). |
| Type | * Enter the defect type from the defect type list summarized in the top left corner of the form. * Use your best judgment in selecting which type applies. |
| Inject | * Enter the phase when this defect was injected. * Use your best judgment. |
| Remove | Enter the phase during which you fixed the defect. (This will generally be the phase when you found the defect.) |
| Fix Time | * Enter the time that you took to find and fix the defect. * This time can be determined by stopwatch or by judgment. |
| Fix Ref. | * If you or someone else injected this defect while fixing another defect, record the number of the improperly fixed defect. * If you cannot identify the defect number, enter an X. |
| Description | Write a succinct description of the defect that is clear enough to later remind you about the error and help you to remember why you made it. |

PSP Defect Type Standard

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| **Type Number** | **Type Name** | **Description** |
| 10 | Documentation | Comments, messages |
| 20 | Syntax | Spelling, punctuation, typos, instruction formats |
| 30 | Build, Package | Change management, library, version control |
| 40 | Assignment | Declaration, duplicate names, scope, limits |
| 50 | Interface | Procedure calls and references, I/O, user formats |
| 60 | Checking | Error messages, inadequate checks |
| 70 | Data | Structure, content |
| 80 | Function | Logic, pointers, loops, recursion, computation, function defects |
| 90 | System | Configuration, timing, memory |
| 100 | Environment | Design, compile, test, or other support system problems |