Defect Type Standard

Personal Software Process for Engineers

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| Type Number | Type Name | Description |
| 10 | Documentation | Incorrect or obsolete comments or information messages |
| 20 | Syntax | Program syntax is either invalid or valid but semantically incorrect because of spelling, punctuation, typos, instruction formats, misplaced parentheses, and so forth. |
| 30 | Build, Package | Build problems external to the source code or compiled components including change management, version control, library, make files |
| 40 | Assignment | Wrong or missing declaration or initialization, duplicate names, violations, or failure to set scope or limits |
| 50 | Interface | Wrong or missing procedure calls, references, incorrect user or file I/O processing, wrong user formats, interface mismatches, missing ‘includes’ |
| 60 | Checking | Wrong or missing error messages or warnings, failure to sanitize input, inadequate check on correctness of conditions |
| 70 | Data | Problem with the static data rather than in computation or data transformation  Examples include wrong or missing data or errors in the data structure or hierarchy. |
| 80 | Function | Incorrect manipulating of data or control  Examples include faulty logic, pointers, loops, recursion, computation, wrong algorithm, precision truncations, and so forth. |
| 90 | System | Problem with the platform, other applications or services such as configuration, timing, memory, or disk limits |
| 100 | Environment | Development environment support system problems such as IDE, design system, compiler version, test harness or cases |

Document Markings

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