**Code Review Checklist**

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| Structure | Yes | No |
| Does the code completely and correctly implement the design? | X |  |
| Does the code conform to any pertinent coding standards? | X |  |
| Is the code well-structured, consistent in style, and consistently formatted? | X |  |
| Are there any uncalled or unneeded procedures or any unreachable code? |  | X |
| Are there any leftover stubs or test routines in the code? |  | X |
| Are there any blocks of repeated code that could be condensed into a single procedure? |  | X |
| Is storage use efficient? | X |  |
| Are symbolics used rather than “magic number” constants or string constants? | X |  |
| Are any modules excessively complex and should be restructured or split into multiple routines? |  | X |

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| Documentation | Yes | No |
| Is the code clearly and adequately documented with an easy-to-maintain commenting style? | X |  |
| Are all methods are commented in clear language. If it is unclear to the reader, it is unclear to the user? | X |  |

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| Source code | Yes | No |
| All class, variable, and method modifiers should be examined for correctness. | X |  |
| Do the parameters have descriptive names? | X |  |
| Do object names have meaning and comply with general standards of developing tools? | X |  |
| Is nesting of loops minimized? | X |  |
| Are functions named in a common way? | X |  |
| Does function name have meaning? | X |  |
| Is the operation too long, and can it be simplified by reducing the number of decision points? (A decision point is a statement where the code can take different paths, for example, if-, else-, and-, while-, and case-statements.) |  | X |

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| Commenting | Yes | No |
| Does the code need comments |  | X |
| Are comments clear and correct? | X |  |
| The code should not have redundant and obsolete comments. | X |  |
| Are comments clear and correct? | X |  |

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| Error Handling | Yes | No |
| Are error messages understandable and complete? | X |  |
| Does the program have edge cases (null, 0, negative) | X |  |
| Are parameters valid? | X |  |

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| Code Decisions | Yes | No |
| Is code at right level of abstraction? | X |  |
| Are all methods have appropriate number, types of parameters? | X |  |
| Does the code have unnecessary features? |  | X |
| Is static preferred over nonstatic? |  | X |
| Does the code have appropriate accessibility (public, private, etc.)? | X |  |
| Are variables are in lowest scope? | X |  |
| Does the code have unnecessary new objects? |  | X |