

Rec. 48. Miscellaneous (MSC)

- MSC00-C. Compile cleanly at high warning levels
- MSC01-C. Strive for logical completeness
- MSC04-C. Use comments consistently and in a readable fashion
- MSC05-C. Do not manipulate time_t typed values directly
- MSC06-C. Beware of compiler optimizations
- MSC07-C. Detect and remove dead code
- MSC09-C. Character encoding: Use subset of ASCII for safety
- MSC10-C. Character encoding: UTF8-related issues
- MSC11-C. Incorporate diagnostic tests using assertions
- MSC12-C. Detect and remove code that has no effect or is never executed
- MSC13-C. Detect and remove unused values
- MSC14-C. Do not introduce unnecessary platform dependencies
- MSC15-C. Do not depend on undefined behavior
- MSC17-C. Finish every set of statements associated with a case label with a break statement
- MSC18-C. Be careful while handling sensitive data, such as passwords, in program code
- MSC19-C. For functions that return an array, prefer returning an empty array over a null value
- MSC20-C. Do not use a switch statement to transfer control into a complex block
- MSC21-C. Use robust loop termination conditions
- MSC22-C. Use the setjmp(), longjmp() facility securely
- MSC23-C. Beware of vendor-specific library and language differences
- MSC24-C. Do not use deprecated or obsolescent functions
- MSC25-C. Do not use insecure or weak cryptographic algorithms



Information for Editors

To have a new guideline automatically listed above be sure to label it `msc` and `recommendation`.

Risk Assessment Summary

Rule	Severity	Likelihood	Remediation Cost	Priority	Level
MSC00-C	Medium	Probable	Medium	P8	L2
MSC01-C	Medium	Probable	Medium	P8	L2
MSC04-C	Medium	Unlikely	Medium	P4	L3
MSC05-C	Low	Unlikely	Medium	P2	L3
MSC06-C	Medium	Probable	Medium	P8	L2
MSC07-C	Low	Unlikely	Medium	P2	L3
MSC09-C	Medium	Unlikely	Medium	P4	L3
MSC10-C	Medium	Unlikely	High	P2	L3
MSC11-C	Low	Unlikely	High	P1	L3
MSC12-C	Low	Unlikely	Medium	P2	L3
MSC13-C	Low	Unlikely	Medium	P2	L3
MSC14-C	Low	Unlikely	Medium	P2	L3
MSC15-C	High	Likely	Medium	P18	L1
MSC17-C	Medium	Likely	Low	P18	L1
MSC18-C	Medium	Probable	Medium	P8	L2
MSC19-C	Low	Unlikely	High	P1	L3
MSC20-C	Medium	Probable	Medium	P8	L2

MSC21-C	Low	Unlikely	Low	P3	L3
MSC22-C	Low	Probable	Medium	P4	L3
MSC23-C	High	Probable	Medium	P12	L1
MSC24-C	High	Probable	Medium	P12	L1

