

# MISRA C:2012 Addendum: Rule Mappings

## MISRA C:2004 to MISRA C:2012 rule mapping

MISRA C:2004	MISRA C:2012	Significant changes from MISRA C:2004 for C90 code
Rule 1.1 (required)	Rule 1.1 (required)	The requirement that code conform to a version of the standard has moved into an introductory section. MISRA C:2004 Rule 1.1 had an implied ban on extensions. MISRA C:2012 Rule 1.1 permits extensions, but they are restricted by the new advisory Rule 1.2.
	Rule 1.2 (advisory)	
Rule 1.2 (required)	Rule 1.3 (required)	Relaxed to permit unspecified behaviour that is not considered critical. MISRA C:2012 Appendix H lists the issues that are covered.
Rule 1.3 (required)	Dir 1.1 (required)	Changed to a directive as it is not a statically checkable rule.
Rule 1.4 (required)	Dir 1.1 (required)	Changed to a directive as it is not a statically checkable rule.
Rule 1.5 (advisory)	Dir 1.1 (required)	Changed to a directive as it is not a statically checkable rule.
Rule 2.1 (required)	Dir 4.2 (advisory)	Tightened to require documentation of assembly usage.
	Dir 4.3 (required)	
Rule 2.2 (required)	Rule 1.2 (advisory)	Relaxed to permit // comments in C99 code. Downgraded to advisory for C90.
Rule 2.3 (required)	Rule 3.1 (required)	
Rule 2.4 (advisory)	Dir 4.4 (advisory)	Changed to a directive as MISRA C:2012 does not precisely describe what constitutes code in a comment.
Rule 3.1 (required)	Dir 1.1 (required)	Changed to a directive as it is not a statically checkable rule.
Rule 3.2 (required)	Dir 1.1 (required)	Changed to a directive as it is not a statically checkable rule.