

Key benefits

- Adopt safe usage of C language
- Enforce and report on an effective coding standard and best practices
- Comprehensive integrated advice on the guidelines
- Improve your software quality
- Applicable to all software domains – initiated by the automotive industry
- Audit document to prove adherence to the standard

Key facts

- Fully integrated MISRA C compliance for QA-C
- Highest available enforcement of MISRA-C:1998 and MISRA-C:2004 coding standards
- Project based compliance reporting to the MISRA-C:1998 and MISRA-C:2004 standards
- Fully configurable to customer projects
- PRQA is a founding member of the MISRA committee

MISRA C qualities

- Eliminate undefined behaviour
- Eliminate or mitigate implementation defined behaviour
- Improve clarity for review and maintenance.
- Provide a consistent style across a program or set of programs
- Avoid common programmer errors
- Incorporate good practice, particularly with regard to 'future proofing'.

QA·MISRA C Summary

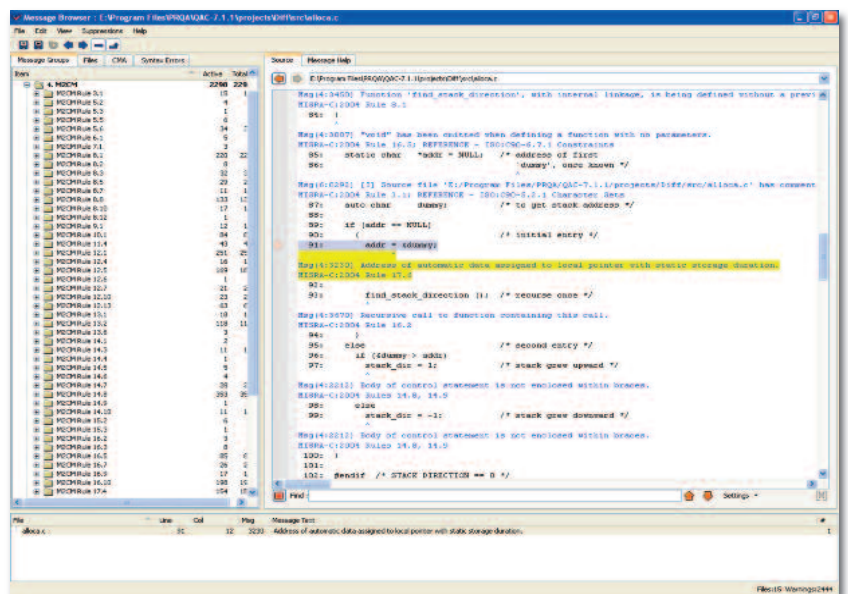
MISRA C Enforcement

The MISRA C™ guidelines form a set of restrictions and a safe subset of the C language suitable for the development of safety critical systems and other embedded applications.

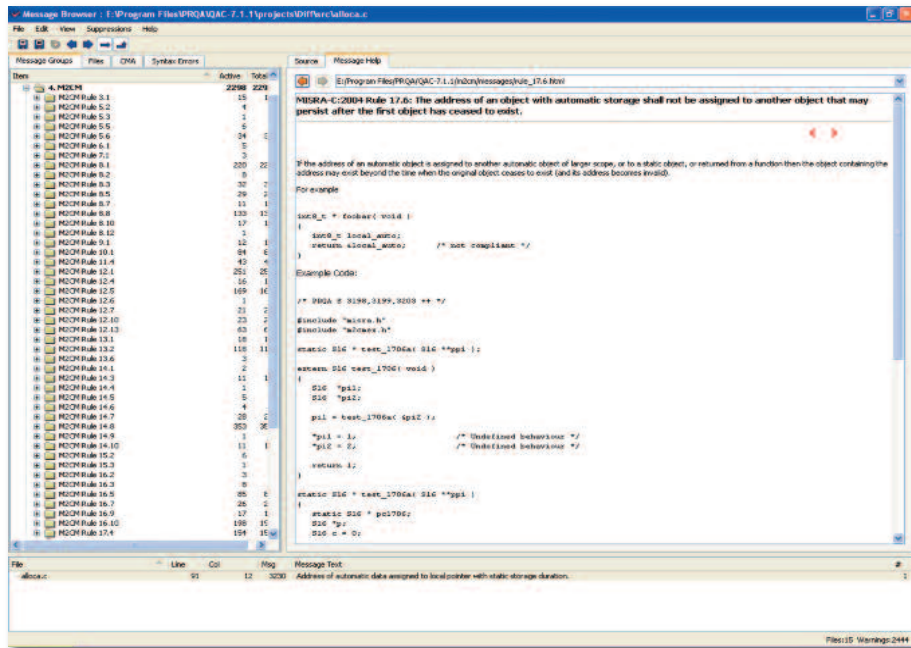
Originally derived from coding standards for Ford™ and Landrover™ which were created by PRQA; the MISRA-C:1998 and MISRA-C:2004 coding standards have been widely used by the automotive industry. With such successful adoption in safety critical environments, MISRA C has now transcended many industry verticals, and is recognised as a de-facto coding standard for C development.

MISRA C Compliance Module

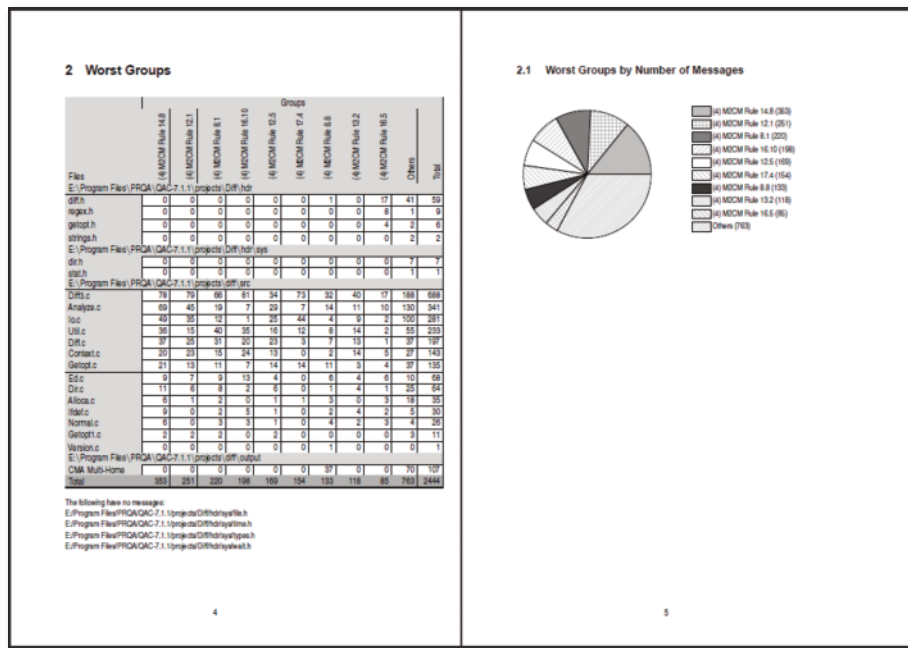
PRQA, the world leader in coding standard enforcement and language-based static analysis, offers a compliance module for its industry-leading QA-C analysis tool to enforce the MISRA C coding standards. QA-MISRA C continues our excellence in the highest possible enforcement of standards.



Message Browser



Comprehensive Rule Help and Guidance



Compliance Report

Contact us

For information regarding PRQA's products and consulting services, please contact PRQA via your local sales representative.
Email: info@programmingresearch.com

MISRA C Compliance

Using PRQA's Message Browser, online help and targeted MISRA C messaging, developers can effectively produce MISRA C compliant code.

Using a variety of output reporting, organisations can report, audit and proof their compliance to the MISRA standard.

About PRQA

PRQA, founded in 1986, is the world's leading developer of software source code analysis technologies. With over 3,000 customers worldwide, PRQA is a global provider of solutions that enforce coding standards to ensure software quality.

PRQA has representation on and close affiliation with the following standard bodies:

- ISO C Committee
- ISO C++ Voting Member
- MISRA C Founding Member
- MISRA C++ Founding Member

Provides products and services to industries including:

- Aerospace
- Automotive
- Defense
- Chip Manufacturing
- Finance
- Industrial Applications
- Medical Device
- Telecommunications

