

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 integrity
- > 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++:2008 coding standard
- > Project based compliance reporting to the MISRA-C++:2008 standard
- > 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

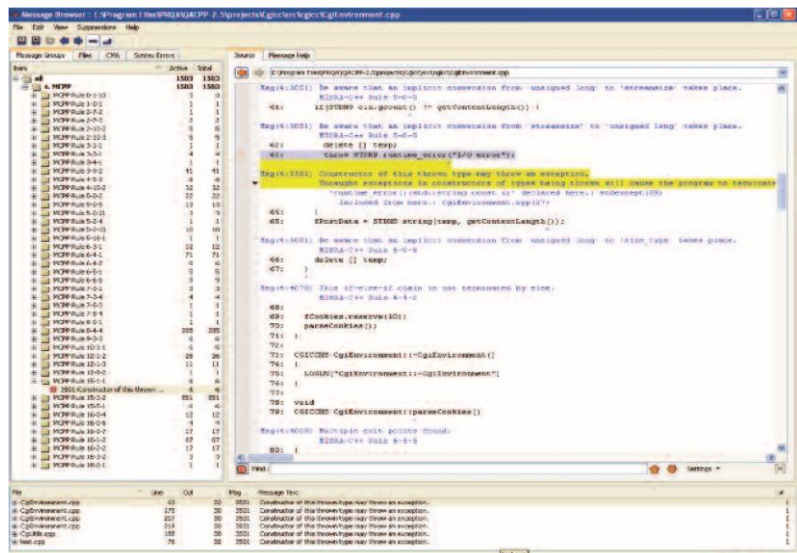
MISRA C++ Enforcement

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.

The standard draws from established coding standards such as MISRA C, Lockheed Martin's Joint Strike Fighter Air Vehicle C++ coding standard (JSF++) and PRQA's High-Integrity C++ coding standard (HIC++), and is intended to contain a set of guidelines and best practices understandable to a wide audience.

MISRA-C++ Compliance Module

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



Message Browser

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QA·C, QA·C++ and QA·Verify, offer the closest possible examination of C and C++ code. All contain powerful, proprietary parsing engines combined with deep accurate dataflow which deliver high fidelity language analysis and comprehension. They identify problems caused by language usage that is dangerous, overly complex, non-portable or difficult to maintain. Plus, they provide a mechanism for coding standard enforcement.

Contact Us

For further information regarding QA·C, QA·C++ and QA·Verify and compliance module add-ons, please contact QA Systems at info@qa-systems.com where appropriate QA Systems will re-direct you to Programming Research Ltd.