Increasing visibility when checking industry standards compliance, locating security vulnerabilities and for defect and fault detection using TBvision®

TBvision®

TBvision provides transparency into source code, enabling managers, teams and developers to better monitor testing, quality metrics, memory errors and security vulnerabilities.

TBvision provides companies with the ability to easily see how the source code performs against:

- Security vulnerabilities
- Fault detection
- Adherence to programming standards

By enhancing collaboration and communication between development teams, *TBvision* facilitates collective monitoring of quality metrics and testing for:

- Managers
- Team workers
- Individual developers

TBvision incorporates next-generation reporting capabilities to show code quality, fault detection and avoidance measures. Users have the ability to quickly and easily view results in call graphs, flow graphs and code review reports in an easy-to-read, intuitive format.

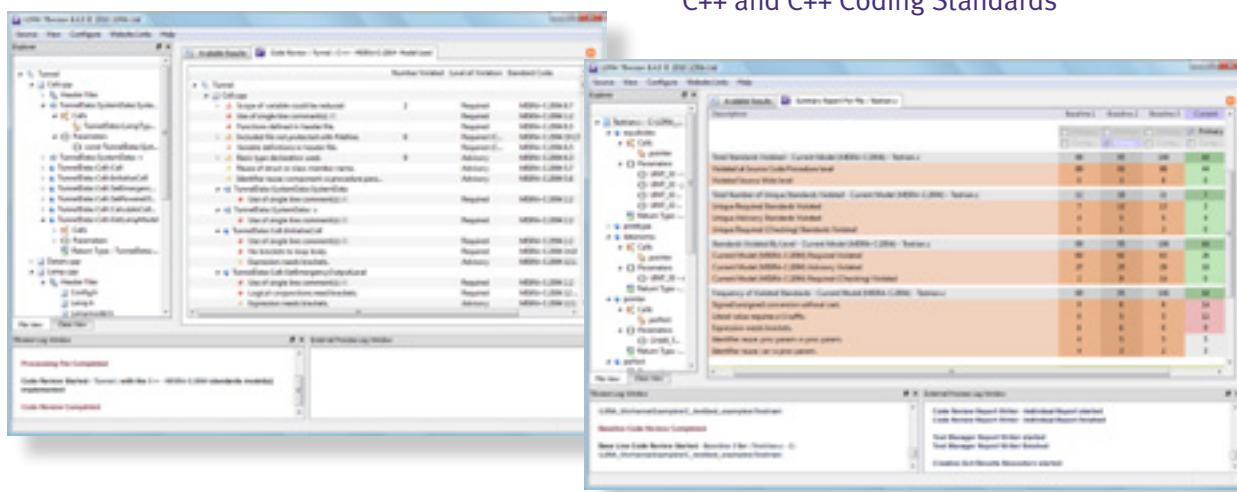The advanced reporting measures of *TBvision* enable users to quickly assess source code against:

- Portability
- Dependability
- Testability
- Maintainability
- Complexity
- Style of code
- Programming Standards
- Fault Protection
- Security Vulnerabilities
- Memory Errors

These measures combine to provide valuable metrics to testers, developers, and project managers on the project code. This provides companies an easy-to-use tool that better identifies problems, which in turn speeds up development and reduces cost.

Applying Industry Based Standards

TBvision enables software teams to effectively enforce industry or company coding standards. LDRA provides the most comprehensive C and C++ coding standards enforcement available on the market covering:

- MISRA-C:1998
- MISRA-C:2004
- MISRA C++:2008
- HIS (Herstellerinitiative Software)
- CERT C secure coding standard
- CWE (Common Weakness Enumeration)
- JSF++ AV
- JPL

- SEC C
- Embedded C Coding Standard (Netrino)
- SAMATE Reference Dataset (SRD)
- Company developed standards
- Ellemtel
- Meyers Effective C++ and More Effective C++
- Henricson/Nyquist Industrial Strength C++
- Sutter Exceptional and More Exceptional C++ and C++ Coding Standards

These deliver tangible benefits that assist in assessing the quality of the code produced and deliver immediate return on investment.

LDRA Leads Industry in Quality and Standards Compliance

Proven Standards Conformance

LDRA has been involved in the creation of various C and C++ coding standards, including MISRA-C:2004, MISRA C++:2008, JSF++ AV and the CERT C secure coding standard. LDRA has the most comprehensive C and C++ coding standards enforcement available on the market.

Top Manufacturers Rely on LDRA

LDRA's products and services are widely used by companies whose names are synonymous with embedded automotive electronic systems including Airbus, CVRx, Denso, Esterline, GE Transportation, Lockheed Martin, NASA and Rockwell Collins.

Certified Quality Products

LDRA is certified to have Quality Management System – ISO 9001:2008.

For more information or to arrange a demonstration
w: www.ldra.com **e:** info@ldra.com