

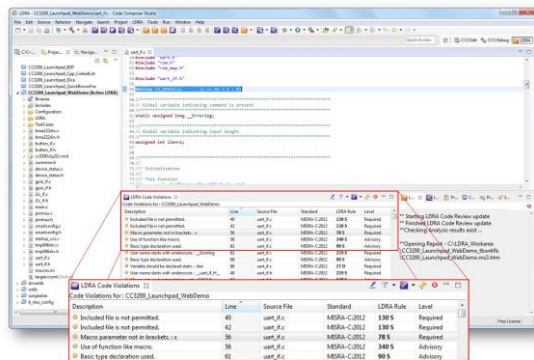


Media contacts:

Janice Hughes, Hughes Communications, Inc., Media Relations
Mobile: +1 (705) 774-8686, Email: janice@hughescom.net

Mark James, LDRA, Marketing Manager
Tel: +44 (0)151 649 9300, Email: mark.james@ldra.com

This press release can be downloaded from www.hughescom.net.



Screenshot 1: From within Code Composer Studio, developers can see the LDRA analysis of how the active project complies to the MISRA C:2012 standard.

LDRA Extends Integration with Texas Instruments Code Composer Studio 6

Combined solution supports new market applications, brings standards compliance to more target platforms

Wirral, U.K. 3 September 2015 — [LDRA](http://www.ldra.com), the leader in standards compliance, automated software verification, source code analysis and test tools, today announced that it has updated its integration with the Texas Instruments (TI) Code Composer Studio (CCS) to deliver increased effectiveness for developers and productivity for users. As part of the update, LDRA has augmented the number of targets it supports within specific industries and added new features from CCS's latest version 6.

As the integrated development environment (IDE) for TI's microcontroller and embedded processors portfolio, CCS is commonly used in market applications that demand stringent standards compliance. Integrated with the LDRA tool suite®, the combined offerings enable teams to meet rigorous avionics, automotive, and industrial certification. Thanks to LDRA's small footprint instrumentation, the LDRA tool suite offers complete comprehensive software testing capabilities even with TI's most resource-constrained digital signal processors and microcontrollers.

Integration Delivers Exceptional Ease of Use

By taking advantage of the CCS scripting API, this integration enables all the power and functionality of the LDRA tool suite to be used from within CCS. Using a single operation, developers can run test cases from within CCS that automatically connect and download to the target, execute the code under test, and extract and process the results. Coverage analysis and reports provide insight that speeds analysis, enabling developers to quickly identify application areas needing additional testing.

The integration of the LDRA tool suite and CCS provides microcontroller and DSP users a rich array of tools that are rarely available in small footprint environments. Developers can fully instrument their code, create test harnesses, and capture results. They also can bring artifacts into TBmanager® to perform complete requirements traceability. Thanks to these capabilities, TI users can achieve certification of safety-critical systems running on small devices to regimes as stringent as DO-178C Level A.

“The capabilities of today’s microcontrollers make them ideal for complex applications, even in the safety-critical space, as long as those applications can be fully tested,” said Ian Hennell, LDRA Operations Director. “Our ultralight footprint minimises testing overhead, enabling safety-critical systems to be fully tested on the target with all the powerful resources available to a less constrained processor. LDRA’s unprecedented capabilities enable TI to deliver even more cost-effective solutions for avionics, medical, energy, automotive, and industrial markets where stringent standards compliance is a must.”

Integration Extends Platforms Covered

In this latest update, the LDRA tool suite integration with CCS supports the following markets and microcontrollers:

- **Transportation – Microcontroller TMS570** delivers automotive functional safety. For developers of automotive systems, the move toward more rigorous process standards raises concerns around increased development time and cost. The LDRA-TI integration bridges the gap, streamlining processes and usability.
- **Industrial – Microcontroller TMS320F2837xD** offers a Dual Core platform for industrial/energy applications. LDRA’s qualified software testing tools enable companies to achieve IEC 61508 compliance and add rigour and automation to their development process to minimise risk and expedite development, verification, and deployment.
- **Medical – Microcontroller MSP430** serves low-power applications, such as consumer devices, industrial sensors, meters, and patient monitors. As device manufacturers transition to the IEC 62304 standard in the hope that it will both help mitigate risk and expedite their path to device approval, the LDRA tool suite offers strategies and technologies to verify such products through requirements-based testing.
- **Energy – Microcontroller CC3200** targets the wireless and Internet of Things (IoT) devices used in the smart grid.

Learn more about the LDRA tool suite with the [Code Composer Studio V6 using a CC3200 Launchpad](#) video.

#

About LDRA

For more than forty years, LDRA has developed and driven the market for software that automates code analysis and software testing for safety-, mission-, security-, and business-critical markets. Working with clients to achieve early error identification and full compliance with industry standards, LDRA traces requirements through static and dynamic analysis to unit testing and verification for a wide variety of hardware and software platforms. Boasting a worldwide presence, LDRA is headquartered in the United Kingdom with subsidiaries in the United States and India coupled with an extensive distributor network. For more information on the LDRA tool suite, please visit www.ldra.com.

Please send reader inquiries to:

Mark James
Email: mark.james@ldra.com