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## RICHLAND TECHNOLOGIES AND LDRA COLLABORATE TO STANDARDIZE EMBEDDED SOFTWARE VERIFICATION ACROSS INDUSTRIES

**DECEMBER 5, 2016 --- Lawrenceville, GA and Wirral, U.K. ---** [Richland Technologies](#) (RTL), a worldwide leader in embedded computing solutions for safety-critical systems, and [LDRA](#), the leader in standards compliance, automated software verification, source code analysis and test tools, today announced a close working relationship resulting in standard methodologies across multiple industries. The cooperative relationship leverages LDRA's software verification tool suite for requirements traceability, static analysis, unit-testing, and structural coverage analysis to enable high assurance embedded software for safety- and security-critical systems.

Extending RTL's successful partnership with LDRA for safety-critical avionics systems, the renewed collaboration provides solutions for the industrial, medical and automotive critical software domains. Historically, RTL has relied on the LDRA tool suite to ease integration into key industry design flows and dramatically speed the verification process. Together, LDRA and RTL have helped leading systems companies establish processes that enable them to achieve software qualification or certification more quickly than ever before. In addition, the collaboration has helped companies integrate industry standards and requirements into their own templates, and streamline verification and software testing with the most cost-effective, high-quality solutions available.

"As software verification plays an increasingly critical role in today's security- and safety-anxious environment, RTL is continuously analyzing ways to ensure that the tools we use give us an advantage," said Richland Technologies Managing Director, Dave Simpson. "The LDRA tool suite always scores highly in our evaluation of low-level verification tools for target computer systems and we are delighted to collaborate closely with LDRA to develop valuable, standard methodologies for customers across all critical software industries."

Simpson continued, "Our deep knowledge of and experience with the LDRA tool suite enables us to automate much of the time-consuming verification process. As well, our engineers are able to use familiar tools and processes across multiple industry projects and reuse working code without loss. This keeps verification cycles shorter despite increasing system requirements. And, we can keep costs as low as possible for our customers while providing the highest levels of satisfaction possible."

"Close collaboration between leading software and service providers is driving software verification innovation and standardization for safety-critical industries," said Ian Hennell, Operations Director, LDRA. "Our ongoing relationship with RTL exemplifies our commitment to developing standard methodologies and proven solutions that customers can deploy immediately to help them manage their software verification tasks and bring their safety- and security-critical products to market faster."

For additional information please see: Case Study - "Richland Technologies Slashes Design and Certification Time for Advanced Avionics Systems" [http://www.ldra.com/RTL\\_case\\_study](http://www.ldra.com/RTL_case_study).

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### **About Richland Technologies**

Richland Technologies LLC, headquartered in Lawrenceville, Georgia, is a leading provider of Safety Critical and High Integrity Software and Hardware Development and Certification Services for aerospace, defense, automotive, medical and industrial environments. RTL leverages a creative portfolio of disruptive hardware and software technologies to make leading edge applications available to our clients at a fraction of the cost of what industry incumbents traditionally offer. Our comprehensive portfolio of engineering and management services focused on projects requiring DO-178B/C and DO-254 certification. For more information, visit us at [www.richlandtechnologies.com](http://www.richlandtechnologies.com) or follow us on LinkedIn [www.linkedin.com/company/richland-technologies](http://www.linkedin.com/company/richland-technologies) and Twitter [@R\\_Technologies](https://twitter.com/R_Technologies).

### **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 variety of hardware and software platforms. LDRA is headquartered in the U.K. with subsidiaries in the United States and India coupled with an extensive distributor network. For more information, visit [www.ldra.com](http://www.ldra.com).

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