Solid Sands announces major new enhancements to SuperGuard

Amsterdam, The Netherlands – 2 December 2022 – Solid Sands, the world-leading provider of testing and qualification technology for compilers and libraries, announces a major new update to SuperGuard, the world's first requirements-based test suite for C standard libraries.

Based on the experience of SuperGuard being used in many library qualification projects as well as valuable feedback from a range of users, the update now incorporates many extra and unique features. The main enhancements announced by Solid Sands include 200 additional tests to improve code coverage, extensions of many test files and support for the C11 and C18 standards such that SuperGuard now has the ability to handle the full range of C standard library versions. The SuperGuard report generator is now also able to create reports for the freestanding subset of the C standard library.

SuperGuard was created to offer developers of safety-critical applications a suite of professional tools for library qualification. The suite ensures safe use of the C standard library in such applications by providing full traceability from individual test results back to requirements derived from the ISO C language specification. SuperGuard is ideal for qualifying unmodified third-party C library implementations as well as self-developed or self-maintained implementations.

Remi van Veen, Qualification Lead Engineer at Solid Sands, says: "With this update, SuperGuard now verifies all versions of the C standard library specification, not just a subset that is commonly used or a subset that fits on a restricted embedded target. SuperGuard was already significantly ahead of any other requirements-based test suite for the C standard library; this update widens its scope and takes it to another level. There is no other suite like it on the market today."

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About Solid Sands

Founded in 2014, Solid Sands is the one-stop shop for C and C++ compiler and library testing, validation and safety services. Solid Sands offers extensive test and validation suites with a unique level of compiler and library test coverage, enabling customers to achieve the software tool quality level demanded by ISO standards. The company's name combines sand – the world's most abundant source of silicon – with the solidity and security expected of sector-leading testing and validation technologies. More information on the company's products and services is available at www.solidsands.nl. You can follow Solid Sands on LinkedIn, Twitter and YouTube.

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