

SuperGuard Library Safety Qualification Suite

**Create
confidence in the
compliance of the
C and C++ library
implementation
with the
specification**

Language standard
ISO C and C++

**Functional
safety standard**
ISO 26262
IEC 61508
EN 50128

Result
Verification, reporting
& full traceability



“The SuperGuard Library Safety Qualification Suite closes a long-standing gap in the qualification of software components that, one way or the other, may result in defects being introduced into a safety-critical system. The C standard library is a crucial component that is way too often overlooked. SuperGuard changes the picture completely and I believe C standard library qualification will be a ‘must’ from now on.”

Software Verification Expert

“We have been working with Solid Sands for a long time, they are continually improving their C and C++ test suites and this has culminated in the recent introduction of SuperGuard, which we have now used for our library qualification with great success.”

Director of Engineering

“Standard C libraries are essential components of compiler packages used for development in automotive, aerospace, healthcare and other safety-critical environments. As such, it is vital not only to submit the compiler tool to a qualification process but also to apply the same care to the standard C library as required by such stringent safety standards as ASIL D in the automotive sector. With the SuperGuard Library Safety Qualification Suite, there is now a powerful tool available to meet these high standards.”

Director of Engineering



Solid Sands is the leading provider of compiler and library testing and qualification technology in North-America, Europe and Asia. Our mission is to put quality into C. We do that by improving the quality of C and C++ compilers, libraries and analysis tools, and by enabling their safe and secure use. With the quality level of our test suites, we stay at the forefront of software testing and qualification to help you achieve ISO compliance and functional safety standard requirements.

Founded in 2014, Solid Sands is headquartered in Amsterdam, The Netherlands. With partners all over the world we serve both leading innovative companies in the semiconductor, IP and security industries as well as safety-critical companies in automotive, robotics, railway and medical.

Our SuperTest Compiler Test and Validation Suite provides a complete validation environment which enables customers to achieve the software quality level demanded by the ISO language and functional safety standards. Meanwhile, our SuperGuard Library Safety Qualification Suite is a requirements-based test suite for the standard library with full traceability between the requirements derived from the language definition and the individual library tests.

SOLID SANDS

from Amsterdam is the one-stop shop for
C and C++ compiler and library testing,
validation and safety services.