

OneSpin Rolls Out OneSpin 360 EC-FPGA Tool Qualification Kit to Meet DO-254 Standard

Users Deploy EC-FPGA Formal Sequential Equivalence Checking into Aviation Electronic Systems with Support for Certification Processes

Munich – June 20, 2018 – OneSpin® Solutions, provider of innovative formal verification solutions for highly reliable, digital integrated circuits (ICs), today rolled out OneSpin 360 equivalence checking (EC)-field programmable gate array (FPGA)[™] Tool Qualification Kit to support the DO-254 standard.

“OneSpin’s EC-FPGA exhaustively verifies highly optimized FPGAs for aviation, aerospace, autonomous vehicles, nuclear power plants, railways and medical devices, eliminating systematic errors introduced during implementation,” says Dr. Raik Brinkmann, OneSpin’s president and chief executive officer. “With this new DO-254 Tool Qualification Kit, our avionics users can deploy EC-FPGA seamlessly in their safety-critical flows to achieve a new level of productivity and standard compliance.”

The tool qualification kit enables OneSpin users to meet the highest aviation electronic systems requirements for airborne electronic hardware set by DO-254 (Level A). OneSpin 360 EC-FPGA Tool Qualification Kit, along with OneSpin’s comprehensive formal verification solutions, will be demonstrated in OneSpin’s Design Automation Conference (DAC) Booth #2611 June 25-27 at the Moscone Center in San Francisco.

Included in OneSpin 360 EC-FPGA Tool Qualification Kit are DO-254 and DO-330 tool qualification guidelines, tool documentation, quality assurance practices documentation and a compliant development processes certificate.

Additionally, a tool verification package, including a test set with expected results, documentation of internal test infrastructure, coverage and environment, as well as safety guidelines, comes with the tool qualification kit. Also included are building blocks for users to develop their plan for hardware aspects of certification (PHAC) and a hardware verification plan (HVP).

OneSpin provides assistance to users completing the DO-254 qualification.

EC-FPGA is an automatic sequential equivalence checker that prevents field-programmable gate array (FPGA) design flows from introducing synthesis, place-and-route and other implementation errors. This serves as independent output assessment for such implementation tools, which is required by the safety standard. Using advanced formal technology, EC-FPGA detects corner-case design flow bugs with a process that is orders of magnitude more efficient and rigorous than gate-level simulation.

Pricing and Availability

OneSpin 360 EC-FPGA DO-254 Tool Qualification Kit is shipping now.

Pricing info via email: sales@evision-systems.de

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About eVision Systems GmbH

eVision Systems GmbH supports companies targeting the development of microelectronics, with a substantial portfolio of measuring- and testing equipment, electronic design automation (EDA) development tools and services.

Since we founded eVision Systems GmbH, it has always been our goal to help young, innovative companies enter the Central European market. It is common to all their products that the technology is unique, that they are more than an alternative to established solutions and that they enhance and complement existing design flows. Safety in the design, reusability and increased productivity as a result, are the success factors of our customers.

Acceleration of the simulation and verification of complex algorithm through C to FPGA synthesis, HDL simulation and verification with Linting and Code Coverage for ASIC and FPGA, board and chip packaging design are a few of the topics we are addressing with these emergent and trend setting products.

Together with ALDEC, CDS, Impulse Accelerated, One Spin Solutions, Pico Computing, Sigasi and Total Phase, we work with customers throughout Central Europe.

eVision Systems is the authorized total phase distributor for Germany, Switzerland and Austria. Our goal is to offer the best price to our customers. In addition to the favorable prices we offer local, german-speaking service and we usually deliver within one day from the warehouse in Munich.

You can find more information on our website: www.evision-systems.de or on our onlineshop www.evision-webshop.de.

About Onespin

OneSpin Solutions has emerged as a leader in formal verification through a range of advanced electronic design automation (EDA) solutions for digital integrated circuits. Headquartered in Munich, Germany, OneSpin is passionate about enabling users to address design challenges in areas where reliability really counts: safety-critical verification, SystemC/C++ high-level synthesis (HLS) code analysis and FPGA equivalence checking. OneSpin's advanced formal verification platform and dedication to getting it right the first time have fueled dramatic growth over the past five years as the company forges partnerships with leading electronics suppliers to pursue design perfection. OneSpin: Making Electronics Reliable.