

# Validated Software Corp. and Micrium Announce First Validation Suites for uC/OS-III

Carlsbad, Calif., and Weston, Fla., May 26, 2015 – [Validated Software Corp.](#) (VSC) and [Micrium](#) today announced the availability of VSC’s new Validation Suites™ for Micrium’s [uC/OS-III](#)®. Validation Suites offer the most cost-effective means to secure the benefits of uC/OS-III in a variety of safety-critical products.

“There is a growing trend in the industry for electronic devices to be safety-certified, or, at the very least, to perform with that level of reliability,” said Scott Nowell, President, VSC.

“Historically, cost and time have been roadblocks to pursuing certification, but our Validation Suites facilitate the process, offering the easiest—and in most cases, the least expensive—way to demonstrate compliance.”

VSC’s Validation Suites contain a complete set of agency-compliant software development life-cycle evidence; are hardware-tested; and are delivered submission-ready. Validation Suites are delivered as an integrated, stand-alone hybrid package that blends the time, budget and risk-reducing benefits of an “off the shelf” solution with the convenience of a dedicated processor certification solution.

“uC/OS-III expands on the functionality of uC/OS-II® , which has a long track record of certification for safety-critical products,” said Jean Labrosse, President and CEO of Micrium. “The availability of VSC’s Validations Suites for uC/OS-III is a tremendous endorsement of the kernel’s quality, reliability and, ultimately, suitability for deeply embedded and safety-critical devices.”

VSC offers a full line of uC/OS-II and uC/OS-III Validation Suites for products that must be certified for:

- Avionics – DO-178C & ED-109A Level A for flight control systems
- Medical – IEC 62304 Class C, and FDA/CDRH 510K/PMA Class III software used in medical devices
- Industrial Controls – IEC 61508 SIL III software used in industrial automation and control systems
- Rail Transportation – CENELEC EN-50128 SIL IV for software used in railway systems and equipment

uC/OS-III is a highly portable, ROMable, scalable, pre-emptive, real-time, deterministic, multitasking kernel for microprocessors, microcontrollers and DSPs. Offering unprecedented ease of use, uC/OS-III is delivered with complete 100% ANSI C source code and in-depth documentation. uC/OS-III runs on the largest number of processor architectures, with ports available for download. Using VSC’s Validation Suites, designers specify the processor, the compiler and the assurance/safety integration level, and in 60 days or less will receive a hardware-tested Validation Suite with everything required to render uC/OS-III certified in an end device.

## **About Validated Software**

Validated Software Corp. provides FAA-, FDA- and IEC-compliant Validation Suites™ for software components used in safety-critical systems for aerospace, medical, industrial and nuclear equipment. VSC also provides platform software; board support packages, custom test suites and solutions for proprietary software used in safety-critical systems. For more information about this exciting product line, visit us on the Web at:

[www.ValidatedSoftware.Com](http://www.ValidatedSoftware.Com)

## **About Micrium Inc.**

Micrium is a global RTOS leader for microprocessor-, microcontroller- and DSP-based devices. uC/OS is the leading commercial RTOS for embedded systems and features a wide array of connectivity. Micrium® Spectrum™ is a pre-integrated end-to-end portfolio of embedded software, protocol stacks and cloud services to facilitate development of the IoT from device to the cloud. Micrium's RTOS kernel and software components are recognized for unparalleled reliability, performance, dependability, impeccable source code and extensive documentation. They are ideally suited to all embedded vertical markets, with solutions certified to meet rigorous safety-critical standards for industries such as medical electronics, avionics and industrial control. For additional information, visit: [www.micrium.com](http://www.micrium.com).

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