

## **Press Release**

**From:** Phaedrus Systems  
**Topic:** Sysgo RTOS security certified  
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### **For Immediate use.**

SYSGO's PikeOS has achieved Security Certification Evaluation from French National Security Agency

Tamworth – 31<sup>st</sup> May 2011. SYSGO, a leading supplier of embedded software solutions for the world's most demanding safety and security applications, has announcing that its flagship RTOS (Real- Time Operating System) product, PikeOS, has been used in the definition of a Security Target that has been successfully evaluated by a certified French security test lab and received a "Certification de Sécurité de Premier Niveau" (CSPN – or First Level Security Certification) from the French Network and Information Security Agency (ANSSI). This certification is a first but important achievement in the overall process of Common Criteria EAL certification initiated by SYSGO in 2007.

"We are pleased to have passed this official and demanding test conducted under the authority of the French national security agency," said Jacques Brygier, VP Marketing of SYSGO. "This certificate is just one of the many activities we have in the area of security. Besides on-going efforts in finalizing formal code verification of the PikeOS micro-kernel for Common Criteria EAL 7, and creating artifacts for Common Criteria EAL 5+, we are involved in various industrial projects requiring the highest level of security."

Common Criteria (CC) EAL level conformance is not the goal of this type of preliminary evaluation, but the rigor and the quality associated with the CSPN process validates the strong security capabilities of PikeOS. Through its avionics DO-178B certification, the most stringent safety standard in the industry, PikeOS already meets many requirements mandatory for the highest level of security.

PikeOS is distributed in the UK by Phaedrus Systems.

### About PikeOS

PikeOS enables multiple operating system interfaces, called Personalities, to work on separate sets of resources within a single machine. Examples of Personalities include Linux, POSIX, Android, RTEMS, ARINC-653 and many others. A Windows Personality is currently being developed. Because of the resource separation enforced by the PikeOS microkernel, multiple applications with different safety and security requirements and belonging to different Personalities are able to co-exist on the same hardware platform. The PikeOS microkernel architecture allows it to be used in cost sensitive, resource constrained devices as well as large,

complex systems. The simplicity and compactness of the PikeOS design results in real-time performance that competes head-to-head with conventional proprietary RTOS solutions. PikeOS supports many different single- and multi-core processor architectures such as x86, PowerPC, MIPS, ARM, SPARC or SH. Support of multi-core offers a flexible approach to the user who can select an execution model ranging from a pure AMP (Asymmetric Multi Processing) to full SMP (Symmetric Multi Processing). PikeOS is certifiable to safety standards like DO-178B, IEC 61508 or EN 50128, is MILS compliant, and is currently involved in various security standard CC EAL certification projects.

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