Praxis High Integrity Systems and Esterel Technologies Commit to Integrate SPARK and SCADE Suite for Rapid Development Compliant with Def. Stan. 00-56 Requirements

**Praxis High Integrity Systems**â—a world-leading company providing products and services for the engineering of high integrity systemsâ—and **Esterel Technologies**â—a world-leading supplier of model based-design, validation, and verification tools for safety-critical embedded software applicationsâ—today announced their collaboration to combine the SPARK toolset from Praxis HIS with the SCADE Suite toolset from Esterel Technologies.

Bath, UK / Elancourt, France (PRWEB) June 17, 2005 -- Praxis High Integrity Systemsâ—a world-leading company providing products and services for the engineering of high integrity systemsâ—and Esterel Technologiesâ—a world-leading supplier of model based-design, validation, and verification tools for safety-critical embedded software applicationsâ—today announced their collaboration to combine the SPARK toolset from Praxis HIS with the SCADE Suite toolset from Esterel Technologies.

This tool integration will combine SCADE Suite's safe design capture, simulation, formal design verification, with the widely used SPARK programming language and associated analysis tool, the SPARK Examiner. By combining the best in modelling, code generation and language-based analysis, this integration will effectively enable rapid development that is in full compliance with Defence Standard 00-56 objectives and other demanding standards.

â—Given the rapidly growing market share of SCADE in both Europe and the United States, Praxis HIS is delighted to collaborate with Esterel Technologies on this tool integration. It will allow our joint customers to benefit from both Esterel Technologies and Praxis HIS experience in safety- and reliability- critical systems, in particular for those designing systems that must comply to Defence Standard 00-56â—said Peter Amey, Praxis's Chief Technical Officer.

â—As we are deploying SCADE towards same market and customers as Praxis HIS with SPARK, it was an obvious move, for the best interest of our respective customer base, to cooperate with Praxis and combine our technologies and skills better to address specifics of safety critical systems. In particular we are very pleased to be able to provide a consistent flow to UK military accounts, with a fully compliant Def. Standard 00-56 design flowâ—said Eric Bantegnie, the Esterel Technologies' CEO.

The SPARK language and supporting tool set provide the most precise environment for the implementation and verification of high-integrity software. The SPARK Examiner allows vital safety and security properties of the implementation to be rigorously demonstrated and provides an industrial-strength technology for proving that all potential run-time errors have been eliminated.

SCADE Suite, a design environment for safety-critical embedded software applications, provides graphical specification capture and simulation, along with the capability to check safety properties at the model level. In addition, the SCADE KCG qualified code generator has achieved compliance with the highest safety standards, IEC 61508 and RTCA DO-178B, enabling rapid deployment of SCADE-generated designs.

About Esterel Technologies
Esterel Technologies' tools create unambiguous specifications that produce correct-by-construction, automated implementation in software and/or hardware. Today, SCADE Suite™ is the standard for the creation of RTCA DO-178B, EUROCAE ED-12B, and IEC 61508 safety-critical embedded software in the civilian avionics and transportation industries. SCADE Drive™ is the emerging standard for the creation of safety-critical embedded software in the automotive industry. Esterel Studio™ enables electronics hardware designers to create golden specification models that can be automatically implemented in RTL or C.

Esterel Technologies is a privately held company with headquarters in Mountain View, California, USA, and Elancourt, France, with direct sales offices in Germany, the United Kingdom, and China. For additional information, visit the Esterel Technologies website at http://www.esterel-technologies.com.

About Praxis High Integrity Systems
Praxis High Integrity Systems has developed a global reputation in the fields of systems and requirements engineering, software development, safety assurance, information security and risk management and works with many of the leading aerospace companies and other organizations. The Company's roots are in the application of sound engineering principles to the development of high-integrity software systems whether safety-, business- or security-critical. Its unique approaches, tools and products have evolved from practical experience in the most effective approaches to developing such systems. The Company has now diversified into several new markets including financial services, telecommunications, utilities and automotive. For more information, please visit http://www.praxis-his.com.

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