



News Release

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Telelogic Rhapsody Provides the First AUTOSAR Model-Driven Development Environment Based on UML and SysML

- Rhapsody AUTOSAR Pack Automates Creation of AUTOSAR Systems including the Design and Exchange of AUTOSAR Software Components -

MALMÖ, Sweden and IRVINE, California – November 26, 2006 – Telelogic (Stockholm Exchange/MidCap/TLOG), the leading provider of software solutions that align advanced systems and software development with business objectives, today announced the release of the Telelogic Rhapsody® AUTOSAR Pack for the Model-Driven Development (MDD) of automotive systems and software applications. This pack is the first automotive-specific MDD environment to leverage the Unified Modeling Language™ (UML™) and the Systems Modeling Language™ (SysML™). Using Telelogic Rhapsody, automotive engineers can now reuse specifications for common vehicle features across multiple automobile product lines, improving time-to-market while increasing brand consistency among designs.

AUTOSAR is a standards organization created to provide an open standard for automotive architecture for developing vehicular software, user interfaces and management. Phase one of the AUTOSAR project will be finalized before the end of 2006, and the Rhapsody AUTOSAR Pack will be available when AUTOSAR specifications are released to the public.

Its experience serving the automotive market, and its leadership in defining the AUTOSAR specification as an AUTOSAR Premium Member, uniquely qualifies Telelogic as an AUTOSAR Systems modeling solution provider. The Rhapsody AUTOSAR Pack includes an AUTOSAR modeling environment with capabilities for importing and exporting AUTOSAR XML documentation. These capabilities enable

users to easily integrate AUTOSAR system modeling into their process and tool chain. Additionally, the Rhapsody AUTOSAR Pack allows engineers to define AUTOSAR software components and the communication between them independent of their implementation: Components can be deployed on multiple architectures, increasing both process flexibility and software component specification reuse.

“Building on our longstanding commitment to the automotive sector and more recently to AUTOSAR, we are proud to be the first to offer an AUTOSAR Systems modeling environment based on UML and SysML. The Rhapsody AUTOSAR Pack provides the automotive market with a flexible solution that empowers developers to build high quality, versatile automotive software,” said Ingemar Ljungdahl, chief technology officer, Telelogic.

The Rhapsody AUTOSAR Pack

The Rhapsody AUTOSAR pack delivers an AUTOSAR modeling environment that allows users to capture AUTOSAR system models, using AUTOSAR-specific diagrams, notations and terminology. This is achieved with five new AUTOSAR diagrams.

- Systems Diagram is used to capture the overall AUTOSAR system.
- Software Component Diagram is used to define the software architecture.
- Internal Behavior Diagram is used to specify the interface between the AUTOSAR System and the standard AUTOSAR Run-Time Environment (RTE) with which it will integrate.
- ECU Diagram is used to define the Electronic Control Unit (ECU) types and their communication ports.
- Topology diagram is used to define the physical topology or physical architecture of the system including all the ECUs in the automobile and how they are connected.

“Telelogic is leading the market with the first ever AUTOSAR solution based on a UML and SysML Model-Driven Development environment. It is appropriate that Telelogic, one of AUTOSAR’s Premium members, would extend the multiple benefits of the AUTOSAR standard in an MDD environment, enabling engineers to design AUTOSAR Systems and seamlessly exchange them within the AUTOSAR workflow and process,” said Dr. Joerg-Volker Mueller, Technical Director, LINEAS Automotive GmbH. “Telelogic’s commitment to standards combined with Rhapsody’s flexibility are key reasons we have decided to partner with Telelogic to combine their products with our expertise in implementing AUTOSAR solutions”.

About AUTOSAR

The goal of the AUTOSAR partnership is the establishment of an open standard for automotive software architecture. It will serve as a basic infrastructure for the management of functions within both future applications and standard software modules. Key objectives include standardization of basic system functions as an industry wide "standard core" solution, scalability to different vehicle and platform variants, integration of functional modules from multiple suppliers and maintainability throughout the whole "Product Life Cycle". The AUTOSAR scope includes all vehicle domains. For more information visit www.autosar.org. About Rhapsody

About Telelogic Rhapsody

Rhapsody is the industry's leading UML 2.0 and OMG SysML-based Model-Driven Development environment for systems and software engineering. With advanced capabilities to extend UML 2.0, Rhapsody allows both function-oriented and object-oriented design techniques to co-exist in one environment. Rhapsody has won numerous awards including the Best in Show award at the Embedded Systems Conferences in San Francisco and Boston from VDC; the SD Times 100 for the third year in a row by taking top honors in the Modeling category; and the Model-Driven Development Focus of the Embedded Development Arena award. Rhapsody has been recently endorsed by Embedded Market Forecasters as the tool of choice for C developers.

About Telelogic

Telelogic® is a leading global provider of solutions for automating and supporting best practices across the enterprise – from powerful modeling of business processes and enterprise architectures to requirements-driven development of advanced systems and software. Telelogic's solutions enable organizations to align product, systems, and software development lifecycles with business objectives and customer needs to dramatically improve quality and predictability, while significantly reducing time-to-market and overall costs.

To better enable our customers' drive towards an automated lifecycle process, Telelogic supports an open architecture and the use of standardized languages. As an industry leader and technology visionary, Telelogic is actively involved in shaping the future of enterprise architecture, application lifecycle management, and customer needs management by participating in industry organizations such as INCOSE, OMG, The Open Group, Eclipse, ETSI, ITU-T, the TeleManagement Forum, and AUTOSAR.

Headquartered in Malmö, Sweden, with U.S. headquarters in Irvine, California, Telelogic has operations in 20 countries worldwide. Customers include Airbus, Alcatel, BAE SYSTEMS, BMW, Boeing, DaimlerChrysler, Deutsche Bank, Ericsson, General Electric, General Motors, Lockheed Martin, Motorola, NEC, Philips, Samsung, Siemens, Sprint, Thales, and Vodafone.

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