

Huawei Adopts Synopsys VCS Native Testbench to Accelerate Verification of Networking and Communications ASICs

VCS® Native Testbench Technology and Comprehensive Coverage Enable Huawei to Achieve First-Silicon Success in Less Time

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Synopsys, Inc. (NASDAQ: SNPS), a world leader in semiconductor design software, today announced that Huawei Technologies, one of the leading global networking and communications equipment companies, has adopted Synopsys' VCS® comprehensive RTL verification solution with Native Testbench (NTB) technology and comprehensive coverage for verification of its complex broadband ASIC designs. Huawei has achieved multiple first-pass silicon successes with VCS NTB and has accelerated verification closure with NTB for up to five times faster performance over stand-alone testbench solutions.

"Huawei has many project teams across multiple sites creating some of the most complex ASIC designs in the industry," said Mr. Ai Wei, senior vice president of Huawei Technologies. "We require a comprehensive verification solution that provides not only high performance, but also powerful, integrated testbench and coverage technologies to help these teams meet aggressive schedules while achieving high quality. The high performance of Synopsys' VCS NTB technology and comprehensive coverage has helped us save weeks of verification time compared with earlier approaches, while finding critical bugs and enabling consistent first-pass silicon success."

VCS' NTB technology with support for SystemVerilog and OpenVera® deploys a unique, single-compiler architecture to simultaneously optimize design, testbench, assertions and coverage, delivering up to five times faster verification performance compared to independent testbench and simulation environments. NTB supports advanced testbench capabilities such as constrained-random stimulus generation, object-oriented programming, advanced data types, and more. The VCS solution's built-in code and functional coverage engines help ensure more predictable verification closure by enabling engineers to accurately monitor verification progress over time, and to determine when verification is complete.

"Huawei's consistent first-pass silicon successes are a clear indication of the value of the VCS solution's proven NTB and coverage technology," said Farhad Hayat, vice president of Marketing, Verification Group, Synopsys, Inc. "Synopsys' proven advanced testbench technologies, now available natively in the VCS solution for even higher performance, help our customers achieve high quality on very tight schedules."

About Huawei Technologies Co., Ltd.

Huawei Technologies is a global telecommunications and networking company that delivers long-term value and potential growth to its customers. The company is dedicated to providing innovative and customized equipment, services and solutions based on its deep understanding of customers' needs and demands. Huawei's product portfolio covers wireless product line (UMTS, cdma2000, GSM/GPRS/EDGE, WiMAX, etc.), network product line (NGN, xDSL, optical network, data communications, etc.), value added services (intelligent network, CDN/SAN, wireless data, etc.), and terminals.

Currently, Huawei has around 24,000 employees, and is serving over 300 telco operators, including 22 of the world's top 50 operators. Huawei's products have been deployed in more than 90 countries worldwide. Its contract sales in 2004 reached US\$5.58 billion.

For more information, please visit <http://www.huawei.com/>

About Synopsys

Synopsys, Inc. is a world leader in electronic design automation (EDA) software for semiconductor design. The company delivers technology-leading semiconductor design and verification platforms and IC manufacturing software products to the global electronics market, enabling the development and production of complex systems-on-chips (SoCs). Synopsys also provides intellectual property and design services to simplify the design process and accelerate time-to-market for its customers. Synopsys is headquartered in Mountain View, California and has offices in more than 60 locations throughout North America, Europe, Japan and Asia. Visit Synopsys online at <http://www.synopsys.com/>.

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