



3855 SW 153rd Drive
Beaverton, Oregon 97006 USA
Phone: 503-619-0560
Fax: 503-644-6708
email: admin@ocpip.org
www.ocpip.org

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OCP-IP Announces Updated Functional Checks and Assertions Available to Sponsor-Level Members

BEAVERTON, OR — May 17, 2011 — Open Core Protocol International Partnership (OCP-IP) announces that the latest comprehensive set of Functional Checks and Assertions is available now to Sponsor-Level Members. Compliance checks eliminate the need for “best-guess” verification by engineers, making certain an OCP interface complies with the specification, assuring verification quality and that IP blocks are compatible at the system level. This current set of checks supports OCP 3.0 and is now being extended for the next release of OCP, already in advanced stages of development.

These checks define a set of rules for the OCP Specification. Constraints can be as simple as “check that a signal is never X” or may be complex temporal expressions. If no check is violated by functional and/or formal verification, the logic is proven compliant with the protocol.

The compliance checks can be used in several different ways. Formal tools can use checks to be sure a design never violates them, proving OCP compliance. They can also use the same checks to cover the number of times a given restraint was hit. Functional verification tools can use the properties to build protocol checkers (in System Verilog/ VHDL/e/SystemC, etc.). By applying stimuli to the design under test (DUT) and

verifying that protocol checkers are not reporting violations, OCP compliance is verified.

“OCP-IP is committed to providing a complete infrastructure surrounding the OCP Specification which allows our members to quickly begin using OCP,” said Ian Mackintosh, president and chairman, OCP-IP. “In addition to our own CoreCreator® (including OCP checker), OCP Tracker®, and OCP Conductor® verification tools, and documented checks, there is a large range of products available from commercial providers. These tools eliminate the need for ‘best-guess’ verification by engineers.”

OCP-IP members may request their free copies of [CoreCreator](#), [OCP Tracker](#), or [OCP Conductor](#) by clicking [here](#). For technical information regarding these tools, please see our datasheet page at: <http://www.ocpip.org/datasheets.php>.

To see a sample of the applications where OCP is used, please see our [OCP-Inside presentation](#).

For all the latest information on OCP-IP please see our latest newsletter at: <http://www.ocpip.org/newsletters.php>.

About OCP-IP

Formed in 2001, OCP-IP is a non-profit corporation promoting, supporting and delivering the only openly licensed, **core-centric protocol** comprehensively fulfilling integration requirements of **heterogeneous multicore** systems. The Open Core Protocol (OCP) facilitates IP **core reusability** and reduces design time, risk, and manufacturing costs for all SoC and **electronic designs** by providing a comprehensive supporting infrastructure. For additional background and membership information, visit www.OCP-IP.org.

For additional information, please contact:

Ian Mackintosh, OCP-IP
408-761-5980

ian@ocpip.org

Joe Basques, OCP-IP

512-551-3377

joe@ocpip.org

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