

Portable Stimulus from IP to SoC CoStart

**Accelerate
verification with
Synopsys tools and
methodology experts**



Overview

As products become more complex and market windows shrink, we need to understand what improves efficiency in verification and how can these improvements be achieved? The Synopsys Portable Stimulus Solution enables verification stimulus to be captured, automatically generated, and for the same specification to be reused. Expert guidance and consultation from Synopsys' Portable Stimulus Solution methodology experts can help create and optimize the best workflow for customer's specific needs and requirements. The Synopsys Portable Stimulus Solution provides you with the recommended steps to architect your Portable Stimulus Solution environment.

About Portable Stimulus CoStart for IP to SoC Verification Management

Portable Stimulus CoStart enables customers to accelerate coverage convergence by achieving coverage 10-100X faster than constrained random stimulus, and provide solutions that enable productive verification at the Block, Subsystem, and SoC levels. Customers can reuse SystemVerilog constraints & coverage with portable stimulus and integrate it into block and SoC level environments easily.

Portable Stimulus CoStart is a 10-day service where Synopsys experts engage with the customer's verification team to understand the existing verification methodology requirements, helping to describe the system functionality at a high-level using resources and constraints, creating solution/coverage, and mapping the same generated solution to different platforms such as virtual, simulation, emulation and silicon. To complete the services engagement, Synopsys will provide hands-on training for up to five customer engineers on how-to run the tool, as well as debugging and interpreting the results.

Portable Stimulus CoStart Services

As part of the engagement, Synopsys experts will work closely with customer's engineers to enable the following:

- Hands-on training covering language, VCPS tool, and overall methodology to use the Portable Stimulus Solution effectively
- Analysis on the current verification methodology and recommend best application for Portable Stimulus Solution
- Consultation on specific use cases
- Access to multicore SoC example platform

Assumptions and Dependencies

- Customer's engineers will be available for consultation with Synopsys consultants
- Synopsys engineers will have access to customer's design environment either directly or through a customer's engineer
- Customer has identified the engineers who will go through the hands-on training program

This CoStart may be used either for Synopsys to deliver recommendations for structuring a verification management flow based on Synopsys tools and solutions to deploy and support the recommended flow, or for Synopsys to deliver a specified customization to meet a mutually-agreed customer requirement.

For more information about Synopsys products, support services or training, visit us on the web at www.synopsys.com, contact your local sales representative or call 650.584.5000