SYSTEM CASCON - BSDL Verification Service

BSDL Verification Service

This document outlines BSDL (Boundary Scan Description Language) file verification service offered by GÖPEL electronic. A BSDL file contains all structural and functional information about the chip implemented Boundary Scan architecture. Therefore, correct BSDL files are essential for all BScan test and programming procedures during the entire product life cycle. GÖPEL electronic offers an extended verification service to help customers getting high quality BSDL files. The service includes BSDL file syntax and semantics checks and cross verification against silicon.

1. Verification inputs (to be provided by the customer)

Pos.	Item	Description	Remark
1	BSDL file	Existent BSDL file of unknown quality and completeness	If available
2	Description of Boundary Scan (BScan) architecture	Documentation of implemented Bscan architecture to create / complete BSDL file; any custom package (.ALL) files	If available
3	Physical Device	Prototype or production device with built-in Bscan architecture (Device Under Test, DUT); data sheet	Device not usable afterwards

2. Verification procedures (carried out at GOEPEL Electronics LLC or GÖPEL electronic GmbH)

Pos.	Process	Description	Remark
1	BSDL file generation	Rework of existent BSDL file or creation of new BSDL file	Effort depends on inputs (see above)
2	IEEE Std. 1149.x / 1532 syntax, semantic and compliance check	File verification with BSDL checker tool from GÖPEL electronic	BSDL Syntax Checker also available to client
3	Design of customized DUT fixture to get pin access	Fixture will be connected with external I/O module for verification of pin behavior	Cost, effort depending on DUT pin count
4	Cross verification of BSDL file against DUT	Verification of entire public BScan architecture (registers, port function, cells, instructions [except private, unless requested], TCK etc.); correction of BSDL file (if needed)	DUT mounted on customized fixture

3. Verification outputs

Pos.	Item	Description	Remark
1	BSDL file	Verified BSDL file (if 2., above, was successful)	Depends on result
2	Verification report	Documentation of work, description of failures, problems or phenomenon	Complete report including test steps
3	Physical Device	DUT mounted on customized fixture	Return on request

Note:

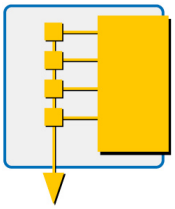
This engineering service is offered for effort-based compensation. Typical engineering time is 24 to 32 hours, depending on complexity of the DUT and amount of BScan resources implemented and verified.

Product: BSDL Verification
Part Number: TVB-100

Call for price

888-4-GOEPEL OR 512-524-6063

or email us at sales@goepelusa.com



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Fill out this form and fax it to ***+1-734-471-1444***

or visit **http://www.goepelusa.com/BSDL_Verification.html** *to request information online.*

Contact Information:

First name: .....

Last name: .....

Company / Organization: .....

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