ARM AMBA® 4 ACE and ACE-Lite Protocol Checkers

r0p1-00rel0

Release Note

Release Note – ARM AMBA 4 ACE and ACE-Lite Protocol Checkers r0p1-00rel0

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General suggestions for additions and improvements are also welcome.

Contents

1 REVISION HISTORY

1.1 Change control

Date	Issue	Description
22 Sep 2011	1.0	Release information for BP065 r0p0-00rel0
02 Apr 2012	2.0	Release information for BP065 r0p1-00rel0

2 PRODUCT DELIVERABLES

2.1 Introduction

The BP065 AMBA 4 ACE and ACE-Lite Protocol Checker product is a verification and validation product designed to work with a range of different user environments and usage scenarios. The underlying goal is to provide protocol-specific SystemVerilog assertions for the AMBA 4 ACE and ACE-Lite protocols.

2.2 Disk space required

The BP065 deliverables require approximately 1 MB of disk space when installed.

2.3 Deliverables

This release note refers to the installation of the bundle BP065-BU-01000-r0p1-00rel0 obtained through ARM's IP delivery server. The deliverables are supplied as a single UNIX compressed tar file which has been gzipped. The download filename will be of the form:

```
<download_name>.tgz
```

where `<download_name>` is typically of the form `arm-download-<transaction_id>` and where `<transaction_id>` is a unique 6 digit number identifying the specific download.

This tar file contains a number of parts bundled together in a single design directory structure to form the release. Table 2-1 lists the part numbers and their descriptions.

Table 2-1: Parts included in bundle BP065-BU-01000-r0p1-00rel0

Part Number	Description
Documentation	
BP065-DC-06002-r0p1-00rel0	ACE and ACE-Lite Protocol Checkers Release Note
BP065-DC-08001-r0p1-00rel0	ACE and ACE-Lite Protocol Checkers User Guide
BP065-DC-11001-r0p1-00rel0	ACE and ACE-Lite Protocol Checkers Errata
Other parts	
BP065- VL-70004-r0p1-00rel0	ACE System Verilog Assertions (SVA)

NOTE: These deliverable part numbers do not exist in the installed directory structure as distinguishable parts and are defined for contractual purposes only.

3 INSTALLATION

3.1 Unpacking files

Relocate the `tgz` file to an appropriate installation location and unpack the `*.tgz` file using the GNU tar utility as follows:

```
gtar –zxvf <download_name>.tgz
```

NOTE: Use GNU tar version 1.13.25 (or later) to unpack the deliverables as other versions of tar have problems dealing with very long path names. To find the version of gtar being used type:
```
gtar –-version
```

This extracts the deliverables into a directory with the same name as the bundle number BP065-BU-01000-r0p1-00rel0.

Figure 3-1 shows the top-level directory structure created after unpacking the tar file:

```
BP065-BU-01000-r0p1-00rel0 /
|-- docs
|   |-- BP065-RLNC-000350.pdf
|   |-- DUI0576B_amba4_ace_pc_ug.pdf
|   `-- BP065-RLNC-000349.pdf
|-- sva
    `-- <various design files>
```

Figure 3-1: Top-level directory structure after unpacking the bundle

3.2 BP065 Usage

For details on how to use the BP065 AMBA4 ACE and ACE-Lite Protocol Checker please refer to the BP065 AMBA4 ACE and ACE-Lite Protocol Checkers User Guide (ARM DUI 0576B).

3.3 Product documents supplied

The following documents are supplied with BP065 AMBA4 ACE and ACE Lite Protocol Checker :

AMBA4 ACE and ACE-Lite Protocol Checker User Guide (ARM DUI 0576B)

AMBA4 ACE and ACE-Lite Protocol Checker Release Note (BP065-RLNC-000349)

AMBA4 ACE and ACE-Lite Protocol Checker Errata (BP065-RLNC-000350)

The documents are located in the following directory:

```
BP065-BU-01000-r0p1-00rel0/docs
```

The User Guide defines the features and interfaces of the product.

The Errata document is part of the main product bundle and can also be downloaded separately.

4 TOOL VERSIONS

This release of BP065 has been developed and tested with tool versions listed below.

- SystemVerilog IEEE 1800-2005.

- Cadence Incisive 10.20.025

- Mentor Questa 10.0a

- Synopsys VCS 2010.06-SP1-1

5 THIRD-PARTY IP REQUIREMENTS

There are no 3rd party IP requirements for this product.

6 PRODUCT STATUS

6.1 EAC Quality Definition

Early Access release status has a particular meaning to ARM of which the recipient must be aware. A deliverable so designated has satisfactorily achieved all criteria for its promotion to a Mature Release status. It may be delivered in accordance with the contract and be expected to perform as described in the data-sheet. However, there remain some elements of uncertainty, which cannot finally be validated until the deliverable has been successfully deployed by customers. Accordingly, the recipient of a deliverable with Early Access-Release status may be directly contributing to the final stage of approval of that deliverable.

In due course, after the Early Access-Release, the product status will change to Mature. It should be noted that Support for the Early Access release of the deliverable will only be provided by ARM to a recipient who has a current support and maintenance contract.

6.2 Limitations or known issues in this release

- There are no known limitations with this release. Any defects are documented in the BP065 Errata Notice document (part number BP065-DC-11001).

6.3 Standards compliance

AXI and ACE interfaces are tested to:

- AMBA® Protocol Specification (ARM IHI 0022 D)

7 DIFFERENCES BETWEEN PRIOR RELEASES AND r0p1-00rel0

The product has been updated to support revision D of the AMBA® Protocol Specification (ARM IHI 0022).

8 SUPPORT AND MAINTENANCE

Note that Support for this release of the product is only provided by ARM to a recipient who has a current support and maintenance contract for the product.

Any issues that arise subsequent to this release are to be documented in a BP065 Errata Notice document (part number BP065-DC-11001) and re-issued as required.