

Silicon Integration Initiative (Si2)
Compact Model Coalition (CMC)
Public / Private Document Policy
Version 1.00
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Purpose

There is a desire and need for the documents, including standards, reference code, and code descriptions, funded and developed by the Compact Model Coalition (CMC) to be segregated into public and CMC-member-only documents. Public availability is to drive widespread industry benefit and adoption of the standards. Documents that are reserved for CMC members only are held back to protect investment of resources by CMC membership and to drive CMC membership, allowing continuation of the work performed by the Coalition.

Compact Models

University-Developed Models

It has been concluded that widespread industry adoption of the CMC compact model standards requires that these standards, in the form of source code and associated model description, be readily available to the public. Each University-Developed model shall be released with an in-code statement that provides the user with a license. The user should refer to the specific model license language for the terms of that license.

Models Developed or Modified by CMC

CMC-developed or modified models (in contrast to solely University Developed) shall have license agreements that allow users to download, copy, and redistribute the source code. An example license agreement is provided in Appendix A.

Quality Assurance

The CMC Quality Assurance Program is a benefit reserved solely for CMC membership. As such, all QA materials shall be accessible by CMC-members and model developers and, likewise, posted on the Si2 CMC member-only site. These member-only materials used for Quality Assurance shall also include the CMC's Test Suite for Verilog-A Compliance.

However, information describing the CMC Quality Assurance Program shall be posted on the public section of the CMC website. This shall include a description of the Model QA benefits and the policy the CMC QA working group has implemented in validating simulators using the QA suites.

Application Programming Interface (API)

Application Programming Interface (API) specifications, such as TM12, shall be available to the public on the Si2 CMC public site. However, associated code and

supporting documentation shall be CMC-members-only and posted only on the Si2 CMC member-only site. CMC members in good standing may use portions of the support documentation in their product’s documentation provided to non-CMC users, provided proper copyright attribution to Si2 is made. An example of such attribution is provided in Appendix B.

Standard Netlist and File Format (SPICE)

The Standard Netlist and File Format documentation, for industry acceptance and adoption purposes, shall be public and posted on the Si2 CMC public site.

A summary of the policy is shown in Table 1.

General Standard Type	Model / API Documentation or Specification	Released Code¹ and Other Ancillary Files
<i>University-Developed Compact Model</i>	On University Site with Link from Si2 CMC Site	On University Site with Link from Si2 CMC Site
<i>CMC modified or Developed Compact Model</i>	On Si2 CMC Public Site	On Si2 CMC Public Site
<i>Quality Assurance Program</i>	Si2 CMC Private Site	Si2 CMC Private Site
<i>Test Suite for Verilog-A Compliance</i>	Si2 CMC Private Site	Si2 CMC Private Site
<i>Application Programming Interfaces</i>	Si2 CMC Public Site	Si2 CMC Private Site
<i>Standard Netlist and File Format</i>	Si2 CMC Public Site	Si2 CMC Public Site

Table 1. Public and Private Segregation of CMC Documents

¹ Released Code does not include advanced alpha or beta code released to CMC members only.

Appendix A

Example License Agreement

Generally, for CMC Models, the license agreements will contain a form of the following statements, subject to modification reflecting requirements specific to the model and reference to any co-developers:

The user manual is distributed as is, completely without expressed or implied warranty or service support. The user may copy and redistribute, and/or copy and modify portions of the manual for use in their own documentation, however, the user is not allowed to alter the user manual itself.

The compact model software is distributed as is, completely without expressed or implied warranty or service support. Si2, their members and employees are not liable for the condition or performance of the software. Si2 owns the copyright and grants users a perpetual, irrevocable, worldwide, non-exclusive, royalty-free license with respect to the software as set forth below.

Si2 hereby disclaim all implied warranties.

Additionally, Si2 grants the users the right to copy, modify, and redistribute the CMC compact model software, both within the user's organization and externally, subject to the following restrictions:

1. The users agree not to charge for the code itself but may charge for additions, extensions, or support.
2. In any product based on the software, the users agree to acknowledge the developers of the software. This acknowledgment shall appear in the product documentation.
3. The users agree to obey all government restrictions governing redistribution or export of the software.
4. The users agree to reproduce any copyright notice that appears on the software and documentation on any copy or modification of such made available to others.

In no case shall the user post the model's user manual, original or modified source code, or any derivative product on any public website or ftp repository. Neither shall the user disseminate such materials to the public by any other means.

Appendix B

Example Copyright Attribution

An example attribution, provided in a conspicuous location, preferably in the beginning of the documentation, is as follows:

This <name of member's manual> reference manual uses material obtained from Silicon Integration Initiative's (Si2) Compact Model Coalition (CMC). Specifically, portions of this manual have been derived from <Insert Si2 / CMC document title here>

These portions are Copyright © Si2, <copyright year(s) from Si2 document>.

Si2 has granted <company name> the right to use and redistribute these specific materials for documentation purposes only. This right granted to <company name> is not transferrable. Si2 reserves all other rights.