

**DATA OVER CABLE SERVICE INTERFACE SPECIFICATIONS  
LICENSE AGREEMENT**

THIS DATA OVER CABLE SERVICE INTERFACE SPECIFICATIONS LICENSE AGREEMENT (this "Agreement") effective on \_\_\_\_\_, 20\_\_ (the "Effective Date"), is made by and between Cable Television Laboratories, Inc., a Delaware non-stock membership corporation ("CableLabs"), having a place of business at 858 Coal Creek Circle, Louisville, Colorado 80027-9750, USA, and the Licensor identified below.

WHEREAS, CableLabs desires to obtain rights to a pool of intellectual property associated with the Data Over Cable Services Interface Specifications ("DOCSIS"), which define interface requirements for equipment involved in the delivery of data over coax and hybrid fiber/coax networks and to sublicense such rights on a royalty-free basis.

WHEREAS, Licensor desires to license certain rights to aid CableLabs in establishing such a pool, and to receive a sublicense of all such pooled intellectual property in return from CableLabs.

WHEREAS, CableLabs desires to receive such license, publish such specifications, and grant sublicenses to permit others, on a royalty-free basis, to manufacture products.

NOW, THEREFORE, in consideration of the mutual covenants contained herein, the parties have entered into this Agreement and agree to be bound by its terms and conditions, including those contained on the following pages hereof, as of the Effective Date.

<b>CABLE TELEVISION LABORATORIES, INC.</b> By: _____ Name: _____ Title: _____	<b>LICENSOR:</b> _____ By: _____ Name: _____ Title: _____
<b>Licensor address for written notice and for Section 9.9:</b> _____ _____ _____ Fax: _____	<b>Optional address for duplicate written notices:</b> _____ _____ _____ Fax: _____

## 1. DEFINITIONS

For purposes of this Agreement, the terms defined in this Section 1 shall have the respective meanings set forth below:

1.1 "Affiliate" means an entity controlled by, or under common control with, or controlling a party to this Agreement, such control being exercised through ownership or control, directly or indirectly, of more than fifty percent (50%) of the voting power of the shares entitled to vote for the election of directors or other governing authority, as of the Effective Date or thereafter during the term of this Agreement, provided that such entity shall be considered an Affiliate only for the time during which such ownership or control exists.

1.2 "Licensed Technology" means Licensor's (and its Affiliates') patents, all issued patents, pending applications and subsequently filed applications essential for compliance with the Specifications and any patented inventions described in the Specifications; all to the extent and only to the extent that Licensor (and its Affiliates) has the right to grant licenses, immunities or other rights thereunder as of the date of this Agreement and all copyrightable subject matter that is contained in the Specifications. Licensed Technology shall not include Licensor's technology or intellectual property related to security, including but not limited to conditional access, nor shall it include technology related to Digital Video Broadcast (DVB) or OpenCable.

1.3 "Licensed Products" means products or systems utilizing or incorporating the Licensed Technology solely to the extent necessary for purposes of conforming to the Specifications; provided, however, that the licenses granted in this Agreement apply only to the extent that data received or transferred by such products or systems is encapsulated within a DOCSIS MAC frame containing a DOCSIS header, as such terms are set forth in the Specifications. A product or system shall not qualify as a Licensed Product unless it conforms with the Specification (as defined below), as demonstrated by the sublicensee's application for certification in accordance with the procedures set forth on the DOCSIS web site, [www.cablemodem.com](http://www.cablemodem.com), and by reasonable continuing efforts towards the same. If a sublicensee incorporates the Licensed Technology in a device which performs functions in addition to those required for conformance with the Specifications, the sublicense granted under this Agreement shall be limited to the technology necessary for compliance that would be required by a standalone device.

1.4 "Licensors" means all parties which have executed an agreement with CableLabs which is substantially identical to this Agreement.

1.5 "Specifications" means any and all specifications designated by CableLabs at [www.cablemodem.com/specifications/](http://www.cablemodem.com/specifications/) as part of the Data Over Cable Service Interface Specifications and each subsequent revision of such documents and any new versions of the specifications that become effective pursuant to Section 7 of this Agreement.

## 2. LICENSE GRANTS.

2.1 License Grant to CableLabs. Licensor hereby grants to CableLabs a nontransferable, worldwide, nonexclusive, royalty-free license under the Licensed Technology to make, have made, use, offer to sell, sell and import Licensed Products. Licensor hereby grants CableLabs a nontransferable, worldwide, nonexclusive, royalty-free license under its copyrights in and to the printed documents comprising the Specifications to copy, reproduce, publish and make derivative works of such printed documents. Licensor acknowledges that the Specifications are or will be publicly disseminated and hereby waives any right of trade secret in and to the Specifications. Nothing in this Agreement shall be construed to represent a license to use Licensor's technology or intellectual property related to security (including but not limited to conditional access), DVB, or Open Cable.

2.2 CableLabs Rights to Sublicense. From time to time, potential sublicensees may request a sublicense to the Licensed Technology from CableLabs. Before granting any such sublicense, CableLabs shall immediately notify all current Licensors of such request. Any current Licensor shall have ten days to provide written objection to the sublicensing of such potential sublicensee. The sole grounds for objection shall be the existence of any current litigation or other legal proceeding alleging either infringement of any copyright or patent rights, or trade secret misappropriation, in any form, in which the objecting Licensor and potential sublicensee are adverse parties. In the event that CableLabs receives such objection, CableLabs shall not grant any sublicense to such potential sublicensee until written withdrawal of the objection is received from the objecting Licensor. In the event that no such objection is received, CableLabs may grant, subject to the terms and conditions of this Agreement, sublicenses solely to each of those sublicensees which grant to CableLabs a worldwide, nonexclusive, royalty-free license (with the right to sublicense to others) under such sublicensee's patents and copyrights to make, have made, use, sell and import Licensed Products, to the extent such patents and copyrights are essential for compliance with the Specifications. CableLabs shall provide Licensor with a fully executed copy of each such granted sublicense promptly upon request. CableLabs may grant, subject to the terms and conditions of this Agreement, sublicensees a nontransferable, worldwide, nonexclusive, royalty-free license under its copyrights and licensed rights in copyrights in and to the printed documents comprising the Specifications to copy, reproduce, publish and make derivative works of such printed documents. CableLabs shall maintain a current list of all sublicensees on a worldwide web site accessible to Licensor. CableLabs shall give notice to Licensor of the location and access parameters of such web site.

2.3 License Grant to Licensor. CableLabs hereby grants to Licensor and its Affiliates a nontransferable, worldwide, nonexclusive, royalty-free license under CableLabs' patents and copyrights which are essential for compliance with the Specifications and a nontransferable, worldwide, nonexclusive, royalty-free sublicense under all patents and copyrights to which CableLabs may have or hereafter acquires the right to sublicense, through other Data Over Cable Service Interface Specifications License Agreements, which are essential for compliance with the Specifications to make, have made, use, offer to sell, sell and import

products which conform to the Specifications. CableLabs hereby grants Licensor and its Affiliates a nontransferable, worldwide, nonexclusive, royalty-free license under its copyrights and licensed rights in copyrights in and to the printed documents comprising the Specifications to copy, reproduce and publish such printed documents and to incorporate portions of such printed documents in Licensor's own and its Affiliates' documentation related to compliance with the Specifications.

2.4 No Other Rights. Except as expressly set forth above, this Agreement shall not be construed as granting any rights or interests in or to (a) the Licensed Technology, (b) any improvements thereto, (c) any particular design, mode or method unless such design, mode or method is itself essential in the implementation of the Specifications, or (d) the proprietary rights of CableLabs, any other licensor or sublicensee, or any third party.

2.5 MFN. CableLabs shall not sublicense the Licensed Technology to any entity unless such entity licenses its patents and copyrights which are essential for compliance with the Specifications to CableLabs on the same terms and conditions as this Agreement. Except for license fees payable under the Master License Agreement between CableLabs and RSA Data Security, Inc. dated December 31, 1997, if CableLabs pays any third party a fee to license its patents and copyrights which are essential for compliance with the Specification or requires sublicensees to pay such a fee, CableLabs or its sublicensees shall pay to Licensor a reasonable royalty substantially equivalent to the greatest royalty paid to any other such third party.

2.6 Perpetual License. Except as otherwise provided in Section 8.2 hereof, the license granted hereunder shall be perpetual and irrevocable.

### 3. REPRESENTATIONS, WARRANTY AND DISCLAIMER.

3.1 Representation. Each party represents and warrants that it has the corporate power and authority to enter into this Agreement and to carry on its business as it is now being conducted.

3.2 DISCLAIMER OF WARRANTIES. THE PARTIES DISCLAIM ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, (1) ANY WARRANTY THAT THE LICENSED TECHNOLOGY OR LICENSED PRODUCTS DO NOT INFRINGE ANY PATENTS, COPYRIGHTS, OR OTHER INTELLECTUAL OR INDUSTRIAL PROPERTY RIGHTS, (2) ANY WARRANTY THAT ANY PATENTS INCLUDED IN THE LICENSED TECHNOLOGY ARE VALID OR ENFORCEABLE, (3) ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, OR (4) THAT THE RIGHTS AND LICENSES GRANTED TO CableLabs HEREUNDER COMPRISE ALL THE RIGHTS AND LICENSES NECESSARY OR DESIRABLE TO PRACTICE, DEVELOP, MAKE AND SELL LICENSED PRODUCTS.

#### 4. OBLIGATIONS OF SUBLICENSEES.

4.1 Marking of Licensed Products. Each sublicensee of CableLabs (or CableLabs, if CableLabs manufactures Licensed Products) shall mark each Licensed Product in the form, manner and location agreed between Licensor and such sublicensee, with one or more patent numbers of patents in such countries under which a license is granted under this Agreement.

4.2 Limited Scope of License. CableLabs shall require each sublicensee of the Licensed Technology to agree for the benefit of Licensor that the sublicense granted does not give any right to the Licensed Technology other than to make, have made, use, offer to sell, sell and import Licensed Products. Licensor hereby agrees, for the benefit of each party granting a license to CableLabs on the same terms and conditions as this Agreement, that the license granted does not give any right to practice the patents and copyrights of any other such party sublicensed to Licensor hereunder other than as may be essential to make, have made, use, offer to sell, sell and import Licensed Products.

4.3 Certification of Licensed Products. Each sublicensee of CableLabs (or CableLabs, if CableLabs manufactures Licensed Products) shall use best efforts to certify each Licensed Product in accordance with the certification procedures posted on the DOCSIS web site, [www.cablemodem.com](http://www.cablemodem.com). CableLabs shall use best efforts to make the certification process fair and non-discriminatory. CableLabs shall have the right to terminate the sublicense granted hereunder if sublicensee fails to meet its material obligations under this section within nine months of commencing certification procedures.

#### 5. LIMITATION OF LIABILITY.

IN NO EVENT SHALL EITHER PARTY BE LIABLE TO THE OTHER FOR EXEMPLARY, INCIDENTAL, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, INCLUDING WITHOUT LIMITATION LOSS OF PROFIT, SAVINGS OR REVENUE, OR THE CLAIMS OF THIRD PARTIES, WHETHER OR NOT ADVISED OF THE POSSIBILITY OF SUCH LOSS, HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, ARISING OUT OF THIS AGREEMENT.

#### 6. INFRINGEMENT AND ENFORCEMENT ACTIONS.

6.1 Notification of Infringement. CableLabs shall immediately notify Licensor of any infringement, potential or actual, which may come to CableLabs's attention, of any Licensed Technology and shall provide Licensor with the available evidence, if any, of such infringement.

6.2 Enforcement of Rights in Licensed Technology. Licensor, at its sole expense, shall have the right to determine the appropriate course of action to enforce its rights in Licensed Technology or otherwise abate the infringement thereof, to take (or refrain from taking) appropriate action to enforce Licensed Technology, to control any litigation or other

enforcement action and to enter into, or permit, the settlement of any such litigation or other enforcement action with respect to Licensed Technology. CableLabs shall fully cooperate with Licensor in any action to enforce Licensor's rights in the Licensed Technology, including furnishing, without charge, except out-of-pocket expenses, any evidence, documents and testimony as may be required in such action. If Licensor gives CableLabs notice that an entity has commenced an action involving the Licensed Technology against Licensor or that Licensor has commenced such an action against an entity, CableLabs shall not grant a sublicense hereunder regarding Licensor's Licensed Technology to such entity.

## 7. AMENDMENTS FOR FUTURE SPECIFICATIONS

7.1 Periodic Amendments. CableLabs intends to issue, from time to time, full reprints of the Specifications, with changes, in the form of "Revisions" and to designate such revisions with control numbers such as "Rev. 1.1," and similar designations. Also, between the issuance of "Revisions," CableLabs intends to issue "Change Notices" and to designate the change notices with unique control numbers. CableLabs shall promptly make all revisions available, in full, on CableLabs' www.cablemodem.com web site. CableLabs shall conspicuously mark each Revision as either a Major Change or a Minor Change. CableLabs shall use its best efforts, in good faith, to determine whether a revision is a "Major Change" or a "Minor Change" in accordance with this Section 7.

7.2 Major Changes. A "Major Change" shall be any revision that is not a Minor Change. All Major Changes posted on CableLabs' www.cablemodem.com web site by 12:00 a.m. on the first day of any calendar month shall become final at 12:00 a.m. on the first day of the next calendar month unless Licensor (or any sublicensee under Section 2.2) provides written notice to CableLabs objecting to the Revision. The sole ground of objection shall be that the Revision includes patents, copyrights, or trade secrets of the objecting party that are not already licensed to CableLabs through this Agreement (for Licensor) or through a similar agreement (for a sublicensee). If CableLabs receives such an objection, CableLabs shall provide written notice to Licensor that the Revision is not effective, and CableLabs shall include a copy of the notice of objection (if from a sublicensee).

7.3 Minor Changes. A "Minor Change" shall be any Revision that only clarifies or corrects a previous version of the Specifications. Unless CableLabs receives a written notice of objection from Licensor or any sublicensee, all Minor Changes posted on CableLabs' www.cablemodem.com web site by 12:00 a.m. on the 8th day of any calendar month shall become effective on the 15th day of that month. Unless CableLabs receives a written notice of objection from Licensor or any sublicensee, all Minor Changes posted on CableLabs' www.cablemodem.com web site by 12:00 a.m. on the 21st day of any calendar month shall become effective on the 28th day of that month. The sole ground of objection shall be that the Revision includes patents, copyrights, or trade secrets of the objecting party that are not already licensed to CableLabs through this Agreement (for Licensor) or through a similar agreement (for a sublicensee). If CableLabs receives such an objection, CableLabs shall provide written notice to Licensor that the Revision is not effective, and CableLabs shall include a copy of the notice of objection (if from a sublicensee).

## 8. TERM AND TERMINATION.

8.1 Term. This Agreement shall continue in full force and effect until terminated in accordance with its terms.

8.2 Termination of Sublicenses. If a sublicensee shall sue or counterclaim against General Instrument, Bay Networks, 3Com or Broadcom (each a "Vendor Author"), alleging either infringement of any copyright or patent rights, or trade secret misappropriation, in any form, whether in the data-over-cable field or otherwise, such Vendor Author may terminate such sublicensee's license to any of such Vendor Author's patents and copyrights hereunder and counterclaim based on any continued practice of any such patent or any continued violation of any such copyright. Such termination shall affect only that portion of the sublicense covering such Vendor Author's intellectual property, and such sublicense shall otherwise remain in full force and effect. Such termination shall be effective upon receipt by the sublicensee of written notice of termination from such Vendor Author, however, it shall not affect the right to use any Licensed Product manufactured by or for and sold or otherwise distributed by such sublicensee prior to such termination. Such Vendor Author shall promptly provide a copy of such notice to CableLabs as required in this Agreement.

If any Vendor Author shall sue another Vendor Author (the "Defending Vendor Author"), alleging either infringement of any copyright or patent rights, or trade secret misappropriation, in any form, whether in the data-over-cable field or otherwise, the Defending Vendor Author may terminate such other Vendor Author's license as a sublicensee under Section 2.3 to any of the Defending Vendor Author's rights and counterclaim based on any continued practice of any such rights. Such termination shall affect only that portion of the sublicense covering such Defending Vendor Author's intellectual property, and such sublicense shall otherwise remain in full force and effect. Such termination shall be effective upon receipt by such other Vendor Author of written notice of termination by the Defending Vendor Author, however, it shall not affect the right to use any Licensed Product manufactured by or for and sold or otherwise distributed by such other Vendor Author prior to such termination. The Defending Vendor Author shall promptly provide a copy of such notice to CableLabs as required in this Agreement.

CableLabs will reasonably cooperate to effect any termination under this Section 8.2. CableLabs shall act only administratively and shall not be required to exercise any judgment about the merits of any such termination.

8.3 Survival. Expiration or termination of this Agreement shall not relieve the parties of any obligation accruing prior to such expiration or termination, and the provisions of Section 5 ("Limitation of Liability") and Section 9 ("General") shall survive termination or expiration of this Agreement.

9. GENERAL.

9.1 Publicity. CableLabs and Licensor may make, separately, or jointly, public announcements of this Agreement anytime after the signing of this Agreement. Except as required by law, the timing and content of such announcements by a party shall be subject to the prior written approval of the other party.

9.2 Waiver. The failure of any party to enforce any of the terms and conditions of this Agreement shall not constitute a waiver of that party's right thereafter to enforce each and every term and condition of this Agreement or upon reasonable notice to require correction of a default previously waived.

9.3 Severability. Should one or more provisions of this Agreement be or become invalid, the parties shall substitute, by mutual consent, valid provisions for such invalid provisions which valid provisions in their economic effect are sufficiently similar to the invalid provisions that it can be reasonably assumed that the parties would have entered into this Agreement with such provisions. In case such provisions cannot be agreed upon, the invalidity of one or several provisions of this Agreement shall not affect the validity of this Agreement as a whole, unless the invalid provisions are of such essential importance to this Agreement that it can be reasonably assumed that the parties would not have entered into this Agreement without the invalid provisions.

9.4 Governing Law. This Agreement shall be governed by and interpreted in accordance with laws of the State of New York, excluding its choice of law rules.

9.5 Headings. The parties acknowledge that the headings to the sections hereof are for reference purposes only and shall not be used in the interpretation of this Agreement.

9.6 Assignment. CableLabs shall not assign its rights or obligations under this Agreement without the prior written consent of Licensor; provided, however, that CableLabs may, without such consent, assign this Agreement and its rights and obligations hereunder in connection with the transfer or sale of all or substantially all of its business, or in the event of its merger or consolidation or change in control or similar transaction. Licensor may assign all of its rights and obligations hereunder without the consent of CableLabs. Any permitted assignee shall assume all obligations of its assignor under this Agreement. Any purported assignment in violation of this Section 9.6 shall be void.

9.7 Notices. All notices permitted or required under this Agreement shall be in writing and shall be delivered as follows with notice deemed given as indicated: (a) by personal delivery when delivered personally; (b) by overnight courier upon written notification of receipt; (c) by telecopy or facsimile transmission upon acknowledgment of receipt of electronic transmission; or (d) by certified or registered mail, return receipt requested, five (5) days after deposit in the mail. All notices must be sent to the following addresses, or to such



9.12 General Construction. As used in this Agreement, the plural form and singular form each shall be deemed to include the other in all cases where such form would apply. "Includes" and "including" are not limiting, and "or" is not exclusive.

9.13 Amendments. No change, modification, extension, termination or waiver of this Agreement, or any of the provisions herein contained, shall be valid unless made in writing and signed by duly authorized representatives of the parties hereto.

9.14 Entire Agreement. This Agreement sets forth the entire agreement of the parties with respect to its subject matter, and supersedes all prior agreements, commitments, or representations of any kind, oral or written with respect thereto. There are no representations, agreements, arrangements or understandings, oral or written, between the parties hereto relating to the subject matter of this Agreement which are not fully expressed herein.

**\*\*\*\*\*END OF AGREEMENT\*\*\*\*\***