

## CI Plus DEVICE INTERIM LICENSE AGREEMENT

THIS CI Plus DEVICE INTERIM LICENSE AGREEMENT (the “**Agreement**”) entitles Licensee to access and use certain security elements, authentication certificates, specifications, software and test materials, to develop and manufacture compliant Hosts (as defined below) and/ or Modules (as defined below). The Agreement also includes an optional Logo (as defined below) license to the CI Plus mark for use on Registered Devices (as defined below).

The Agreement is by and between CI Plus LLP (“**CI Plus LLP**”) a United Kingdom limited liability partnership, and the Licensee identified below that signs the Agreement (the “**Named Licensee**”).

The Agreement is effective as of the date when it has been signed by both parties (the “**Effective Date**”) provided “License Fee” payment has been made as per Section 8.1, for a term as defined in Section 10.1 of this Agreement.

Named Licensee shall select either or both “Host” or “Module” in the definition of “Licensed Product” or “Licensed Component” by marking X in the appropriate column or columns of the following Host/Module/Component table:

	Host (Section 1.24)	Module (Section 1.33)
Licensed Component (Section 1.27)		
Licensed Product (Section 1.28)		

BY SUBMITTING A SIGNED COPY OF THIS AGREEMENT TO CI PLUS LLP (BY EMAIL, CERTIFIED OR REGISTERED PRE-PAID MAIL), NAMED LICENSEE CONFIRMS TO HAVE READ AND THAT HE AGREES TO ALL TERMS OF THIS CI PLUS INTERIM LICENSE AGREEMENT

<p><b>CI PLUS LLP:</b>                      [C/O BDO LLP, 31 Chertsey Street, Guildford,                      Surrey, GU1 4HD. United Kingdom                      Registered in England and Wales. Registered No:                      OC341596 Individual Authorised</p>	<p>Signatory:</p>  <p>_____                      Signed on behalf of CI Plus LLP:                      Name:                      Title:                      Date:</p>
<p><b>NAMED LICENSEE:</b>                      Company Name:                      Address:</p> <p>City:                      State:                      Postal Code:                      Country:</p>	<p>Individual Authorised Signatory:</p>  <p>_____                      Name:                      Title:                      Date:</p>
<p><b>NAMED LICENSEE’S AGENT (see Section 16.8):</b>                      Name:                      Address:</p> <p>Postal Code:</p>	

WHEREAS, the group of companies that has established CI Plus LLP has developed certain technology and methods for data encryption, encryption key management, and encryption system renewability which are described in the Specifications (as defined below);

WHEREAS, CI Plus LLP wishes to license the use of Licensed Technology (as defined below) and Logo to Licensee;

WHEREAS, Licensee desires to obtain such license under the terms and conditions specified in this Agreement, and;

WHEREAS, CI Plus LLP is in the process of finalising the terms of a Final License Agreement (as defined below) and, pending such finalization, issues this Agreement on an interim basis to facilitate the rapid development of the market for Licensed Products (as defined below);

NOW THEREFORE, in consideration of the foregoing premises and the covenants and agreements set forth herein, and other good and valuable consideration, the parties agree as follows:

**1.0 DEFINITIONS.**

Capitalized terms shall have the meanings set forth in this Section 1.0 or elsewhere in this Agreement.

- 1.1** “**Affiliate**” means with respect to any entity, any other entity that directly or indirectly owns or controls, is owned or controlled by, or is under the common control of the first entity, where the term “control” means (a) control of more than fifty percent (50%) of an entity’s common shares; or (b) voting control of an entity’s board of directors.
- 1.2** “**All Licensed Products**” means Hosts and Modules, each of which is compliant with Specifications, Compliance Rules and Robustness Rules, belongs to a Device Type, has a Key or Key pair and a Device Digital Certificate or Device Digital Certificate pair. A Key pair is used by a Device Type supporting the two Roots of Trust as defined in the CI Plus Specification.
- 1.3** “**Business Days**” means any day except a Saturday, Sunday or public holiday in the relevant country.
- 1.4** “**Changes**” shall have the meaning given to it in Section 6.1 hereof.
- 1.5** “**CI Plus Content Distributor Agreement**” means the agreement between Operators / Content Providers and CI Plus LLP granting Operators / Content Providers certain rights, including the right to use security maintenance features of the CI Plus system.
- 1.6** “**CI Plus License Host Specification**” means the specification titled “CI Plus License Specification for Host Manufacturers” provided to the Named Licensee as it may be amended from time to time in accordance with Section 6.3.
- 1.7** “**CI Plus License Module Specification**” means the specification titled “CI Plus License Specification for CICAM Manufacturers” provided to the Named Licensee as it may be amended from time to time in accordance with Section 6.3.

- 1.8** “**CI Plus License Specification**” means the CI Plus License Host Specification and CI Plus License Module Specification.
- 1.9** “**CI Plus Specification Version 1.3**” means the specification titled “CI Plus Specification - Content Security Extensions to the Common Interface” version 1.3.2 which is publicly available at no charge at URL <http://www.ci-plus.com> as it may be amended from time to time in accordance with Section 6.3.
- 1.10** “**CI Plus Specification**” means the version of the specification titled “CI Plus Specification - Content Security Extensions to the Common Interface” effective at Device registration for each Device. The applicable version for each Registered Device is indicated on the Device Registration form submitted when the device is registered. The CI Plus Specification is publicly available at no charge at URL <http://www.ci-plus.com> and may be amended from time to time in accordance with Section 6.3.
- 1.11** “**Commercial Test Tool**” means the set of testing procedures and materials available on a commercial basis from Test Partners.
- 1.12** “**Compliance Rules**” mean the rules, including a list of approved outputs, described on Exhibit C and Exhibit D hereto which apply to Devices and generally serve to prevent unauthorized distribution or copying of Controlled Content.
- 1.13** “**Content Provider**” means any video programming provider of copyrighted works for transmission to Licensed Products and the copyright owners of such work.
- 1.14** “**Controlled Content**” means content that has been transmitted from the head end with either of (a) the Encryption Mode Indicator (“EMI”) bits set to a value other than zero, zero (0,0), or (b) the EMI bits set to a value of zero, zero (0,0), but with the RCT value set to one (1).
- 1.15** “**De-Registration**” shall mean that, according to section 15.3.1 and Exhibit L, CI Plus LLP declares a Registration of a Device Type as being void and subject to the effects of De-Registration as described in section 15.4. De-Registration can be rescinded as described in Exhibit L.
- 1.16** “**Device**” means any Host or Module device hereunder.
- 1.17** “**Device Digital Certificate**” means a secure, end-entity device digital certificate that chains to a Root Certificate of CI Plus LLP. One (1) or more unique Device Digital Certificates are included in each Device in order to deter theft or unauthorized access to Services and Controlled Content.
- 1.18** “**Device Testing Results**” mean the test result issued by Test Partner after completion of Device testing.
- 1.19** “**Device Type**” means a class of Devices as defined in Exhibit A.
- 1.20** “**Fellow Licensee**” means an entity (other than the Licensee) that (i) has executed a CI Plus Device Interim License Agreement with CI Plus LLP and (ii) is not in breach of such CI Plus Device Interim License Agreement, including its Affiliates unless expressly excluded.

- 1.21 “**Final License Agreement**” means an agreement issued and identified by CI Plus LLP as a successor form of agreement to the CI Plus Device Interim License Agreement.
- 1.22 “**Have Made Parties**” shall have the meaning ascribed to it in Section 2.3 hereof.
- 1.23 “**Highly Confidential Information**” shall have the meaning ascribed to it in Section 2 of Exhibit H hereof.
- 1.24 “**Host**” means any CI Plus host as defined by the CI Plus Specification.
- 1.25 “**Host Certificate**” shall have the meaning ascribed to it in the Specifications.
- 1.26 “**Key**” or “**Keys**” means MDQ and HDQ as described in the Specifications, other than such keys delivered as Test Technology, that are made available only by, or at the direction of and under license by, CI Plus LLP.
- 1.27 “**Licensed Component**” means a product containing at least CI Plus License Specification and / or Test Technology, such as an integrated circuit, circuit board, or software module, which is designed solely to be assembled into, or to test Licensed Product or prototypes, as designated by check on page 1 of this Agreement and is compliant with some or all portion of the Specifications but which does not completely satisfy the Compliance Rules or Robustness Rules.
- 1.28 “**Licensed Product**” means a Device which (i) is compliant with the applicable Specifications, Compliance Rules and Robustness Rules, (ii) belongs to a Device Type which has been Registered, and (iii) has a Key or Key pair and a Device Digital Certificate or Device Digital Certificate pair for Host and or Module as designated by the signatory on Host/Module/Component table on page 1 of this Agreement
- 1.29 “**Licensed Technology**” means the technology and methods for data encryption, encryption key management, and encryption system renewability which are described in the Specifications and the Production Credentials, Keys and Device Digital Certificates.
- 1.30 “**Licensee**” means the Named Licensee and its Affiliates.
- 1.31 “**Material Breach**” means a breach of this Agreement which has resulted in or is likely to result in commercially significant harm to Operators or Content Providers, or constitutes a threat to the integrity or security of Licensed Technology. A series of related events shall constitute a single Material Breach. Where the Named Licensee fails to procure compliance by an Affiliate of the Named Licensee with a term of this Agreement which results in or is likely to result in commercially significant harm to Operators or Content Providers, or constitutes a threat to the integrity or security of Licensed Technology, such failure shall be deemed to be a “Material Breach” by such Affiliate and the Named Licensee.
- 1.32 “**Member**” means a member of CI Plus LLP.
- 1.33 “**Module**” or “**CICAM**” means any CI plus module as defined by the CI Plus Specification.

- 1.34** “**Necessary Claims**” means claims of patents that are necessarily infringed by any portion of any product, including software or firmware or a component thereof, or any service that in each case is made or rendered pursuant to and compliant with the Agreement. As used in this definition, the term “necessarily infringed” means that (a) such claim reads on the Specifications, Production Credentials and Test Technology and (b) there are no commercially reasonable alternatives for complying with such portion(s) of the Specifications, Production Credentials and Test Technology that do not infringe such claim. For purposes of clarification, “Necessary Claims” shall not include any claims: (1) that are not necessary (i.e., for which there are commercially reasonable alternatives that do not infringe such claims) to make, have made, sell, offer to sell, use (including, for avoidance of doubt, lease) and import All Licensed Products or Licensed Component (as applicable to the activities Licensee is permitted to do under this Agreement), in compliance with the Specifications, Production Credentials and Test Technology; (2) that, if licensed, would require a payment by the licensor to any third party that is not an Affiliate of such licensor; or (3) which relate to any technology which is not itself disclosed with particularity in the Specifications, Production Credentials and Test Technology (even though such technology, standard or product may otherwise be mentioned or required by the Specifications, Production Credentials and Test Technology).
- 1.35** “**Operator**” means any party that controls the distribution of audio video or data services on a DTV distribution network that may be received by a Host or processed by a Module and that has “signed the CI Plus Content Distributor Agreement”.
- 1.36** “**Production Credentials**” mean set of documents titled “Production Credentials” containing constants and ciphers provided by CI Plus LLP to the Named Licensee and/or its Affiliates from time to time.
- 1.37** “**Production Technology**” means CI Plus Specification, CI Plus License Specification, Production Credentials, Keys and Device Digital Certificates provided by CI Plus LLP to the Named Licensee and/or its Affiliates.
- 1.38** “**Registered**” means successful completion of Registration for a Device Type.
- 1.39** “**Registered Device**” means a Device that belongs to a Device Type that has been Registered successfully as per Section 5.0
- 1.40** “**Registration**” means the procedures for notifying CI Plus LLP that a Device Type conforms to Specifications, Compliance Rules and Robustness Rules as described in Exhibit J (Registration Procedure).
- 1.41** “**Revocation**” means that CI Plus LLP has, according to section 15.3.1 and Exhibit L, placed Host Certificates of certain CI Plus Hosts onto a Revocation List of Devices that have met the revocation criteria set in section 15.3.2. Revocation can be rescinded, as defined in Exhibit L. CI Plus Modules shall refuse to serve Controlled Content to CI Plus Hosts who appear on a Revocation List.
- 1.42** “**Revocation List**” is the blacklist of Hosts that have, according to section 15.3.1 and Exhibit L, met the criteria set in section 15.3.2, which list will be made available to CI Plus Operators, who have signed the CI Plus Content Distributor Agreement.

- 1.43 “**Robustness Rules**” means the rules described in Exhibit B which apply to Devices and serve to resist attempts to modify Devices to defeat the security of Controlled Content provided by the Specifications or the Compliance Rules.
- 1.44 “**Service**” means video, audio, or data signals whether in analogue or digital format, transmitted over the cable system to (or from) the Device, for the purposes of effectuating the reception or transmission of information, entertainment, or communications content.
- 1.45 “**Specifications**” means CI Plus Specification and CI Plus License Specification.
- 1.46 “**Test Partners**” are organizations approved and designated by the CI Plus LLP as competent to perform test services on products for the purpose of registration and verification of compliance with all Specifications, Compliance Rules and Robustness Rules. The CI Plus LLP shall regularly publish the most recent list of organizations approved to perform such test services. The current list of approved Test Partners can be found at URL.
- 1.47 “**Test Technology**” means set of files titled “Test Technology” containing constants, ciphers, test keys and test device digital certificates to be used in place of Production Credentials and Keys and Device Digital Certificates for evaluation and Registration purpose provided by CI Plus LLP to the Named Licensee from time to time.
- 1.48 “**Third Party Beneficiary**” means any Content Provider or Operator, in each case that has executed or may in future execute the CI Plus Content Distributor Agreement and is eligible to exercise third party beneficiary rights in accordance with such agreement in respect of Licensees who have signed this Agreement or its successor agreement.
- 1.49 “**URL**” means <http://www.ci-plus.com> which may be changed from time to time as announced by CI Plus LLP to the Named Licensee.

## 2.0 GRANT OF LICENSES

- 2.1 **Evaluation Use.** Subject to payment of all fees required pursuant to Section 8.0 and compliance by Licensee with the terms of this Agreement, including compliance with the Specifications, the Compliance Rules, Robustness Rules, and its RAND licensing obligations described in Section 7.0, CI Plus LLP hereby grants to Licensee a non-exclusive, worldwide and non-transferable right and license of the copyrights and trade secrets embodied in Specifications and Test Technology owned or licensable by CI Plus LLP solely to: (a) receive CI Plus License Specifications pursuant to Section 3.0. and (b) use and reproduce Specifications and Test Technology for evaluation purposes, including but not limited to designing and producing Devices for Registration.
- 2.2 **Commercial Use.** In addition to the right granted pursuant to Section 2.1, subject to payment of all fees required pursuant to Section 8.0 as well as compliance by Licensee with the terms of this Agreement, including compliance with the Specifications, Compliance Rules, Robustness Rules, Section 5 and its RAND licensing obligations described in Section 7.0, CI Plus LLP grants to Licensee a non-exclusive, worldwide and non-transferable license of the copyrights and trade secrets embodied in Production Technology owned by, or licensable from, CI Plus LLP (i) to design, make, transfer, lease, sell, offer to sell and otherwise dispose of Licensed Products and Licensed

Components, and (ii) use and reproduce Production Technology for conducting activities set forth in the aforementioned item (i).

Notwithstanding the foregoing, Licensee shall not (a) exercise the licenses granted in the preceding sentences for any of Production Credentials, Keys and Device Digital Certificates until successful Registration of the relevant Device Type pursuant to Section 5.0, nor (b) transfer, lease, sell, offer to sell or otherwise dispose of Licensed Components to any third party other than the Fellow Licensees who have accepted substantially similar condition (including, but not limited to, this Section 2.2 (b)), or to its Have Made Party pursuant to the right under Section 2.3. CI Plus LLP shall provide Licensee with the list of such Fellow Licensees upon the request of Licensee; nor (c) use the Production Technology (nor any copyrights or trade secrets embodied in the Production Technology) for any purpose other than to: (A) provide a means for a CICAM that is a Licensed Product to establish whether or not a Host is a Licensed Product; (B) ensure that a CICAM that is a Licensed Product will not unscramble Controlled Content for a Host that is not a Licensed Product; and (C) provide for secure transmission of unscrambled Controlled Content from a CICAM that is a Licensed Product to a Host that is a Licensed Product in encrypted form; nor (d) use the Production Credentials in conjunction with any digital keys or digital certificates for Devices other than Keys made available to Licensee directly by CI Plus LLP; nor (e) use nor distribute Keys save in accordance with the terms of this Agreement; nor (f) provide advice, information or assistance to any third party with the effect or intent of enabling that, or any other, third party to access content encrypted using the Licensed Technology on any Device other than a Licensed Product.

**2.3 Have Made Rights.** The right granted to Licensee under Sections 2.1 and 2.2 shall include the right to have third parties (“Have Made Parties”), solely for Licensee, (a) use and reproduce Test Technology and Production Technology and (b) design and make Licensed Products, Licensed Components or subparts thereof, provided that (i) each Test Technology and Production Technology shall be used or reproduced only under Sections 2.1 and 2.2 and (ii) Licensed Products or Licensed Components are to be used, transferred, leased, sold, offered to be sold or otherwise disposed of under Sections 2.1 and 2.2, by or for Licensee and (iii) all Licensed Products or Licensed Components are made by such Have Made Parties using designs or specifications supplied by or prepared for Licensee. Named Licensee shall be fully responsible for such Have Made Parties' compliance with all terms of this Agreement as if Named Licensee itself were performing activities set forth in the preceding sentence. Licensee shall not make Test Technology or Production Technology available to any Have Made Party unless such Have Made Party is (i) licensed to use the Test Technology and Production Technology by CI Plus LLP, or (ii) bound in writing to a non-disclosure agreement with Licensee on terms that are no less stringent than the terms set forth in Section 9.0 hereof. Named Licensee agrees and acknowledges that the fact that a Licensee has contracted with a Have Made Party shall not relieve Named Licensee of any of its obligations under this Agreement. Other than on behalf of Licensee, Have Made Parties shall receive no license, sublicense, or implied license with respect to the Test Technology or Production Technology.

**2.4 Limitation on All Licenses.** CI Plus LLP and its Members reserve all rights not expressly granted under this Agreement. There are no implied licenses under this Agreement, and any rights not expressly granted to Licensee hereunder are reserved by CI Plus LLP and its Members. Except for the limited license granted under this Section

2.0, no license is granted for any commercial Device (a) that does not comply with the Specifications, the Robustness Rules or the Compliance Rules, or (b) that has not met the requirement of Section 5.0. Licensee also acknowledges that designing, manufacturing, distributing, using, selling, or servicing products, or providing services, based on Specifications and other materials received from CI Plus LLP may require intellectual property licenses from third party(ies) for technology referenced in or otherwise required by Specifications and such materials. Licensee shall not remove any copyright notices contained in Specifications.

- 2.5 Affiliate compliance.** The Named Licensee shall procure that each of its Affiliates:
- 2.5.1** shall comply with Licensee's obligations under this Agreement as if such Affiliate were a party to this Agreement; and
  - 2.5.2** shall not sublicense the rights and licenses granted to the Licensee under this Agreement to any third party (other than to Have Made Parties in accordance with Section 2.3).

**3.0 DELIVERY OF PRODUCTION TECHNOLOGY AND TEST TECHNOLOGY**

**3.1 CI Plus License Specifications.** Upon execution of this Agreement CI Plus LLP shall cause to be distributed to Named Licensee CI Plus License Specifications pursuant to the following Sections 3.1.1 and 3.1.2.

**3.1.1** If Named Licensee checked "Module" in the definition of "Licensed Product" or "Licensed Component", both CI Plus License Host Specification and CI Plus License Module Specification will be provided to Named Licensee.

**3.1.2** If Named Licensee checked "Host" in the definition of "Licensed Product" or "Licensed Component", CI Plus License Host Specification will be provided to Named Licensee.

**3.2 CI Plus Specification and Test Technology.** CI Plus LLP shall make CI Plus Specification and Test Technology available to Named Licensee at the request of Named Licensee without any payment by Licensee.

**3.3 Production Credentials.** Following successful Registration of a Device Type for the first time pursuant to Section 5.0, CI Plus LLP shall make Production Credentials available to Licensee without any additional payment by Licensee other than fees set forth in Section 8.1.

**3.4 Keys and Device Digital Certificates.** Keys and Device Digital Certificates are generated under the direction of CI Plus LLP uniquely per Device. Without limiting any other provision of this Agreement, Licensee may not use the same Key, Key pair or Device Digital Certificate in more than one individual unit or copy of any product. Following Registration of a Device Type and subject to execution of the Certificate Supply Agreement between Licensee and a then-current certificate provider designated by CI Plus LLP pursuant to Section 3.5, a Key and Device Digital Certificate for each CI Plus Root of Trust supported as required by the CI Plus Specifications, for each Device belonging to such Device Type, shall be made available to Licensee by CI Plus LLP subject to payment of the fee for Key and Device Digital Certificates set out in Exhibit I (Fee Schedule), as updated from time to time in accordance with the term of this Agreement. The number of Keys and Device Certificates which may be ordered will be constrained to the Licensee's reasonably anticipated production run rate. Note: it is a



requirement for licensees to sign the CI Plus ILA Addendum for ECP in order to access ECP Keys and Device Digital Certificates as defined by the Specifications.

**3.5 Certificate Supply Agreement.** To receive Keys and Device Digital Certificates, Licensee must enter into a supply agreement under the standard terms and conditions with a then-current certificate provider designated by CI Plus LLP, at the point of signing this Agreement, such certificate provider is Symantec Limited. CI Plus LLP may change such certificate provider from time to time upon notice to Licensee.

#### **4.0 CI PLUS LOGO LICENSE**

CI Plus LLP hereby grants to Licensee a worldwide, non-exclusive, non-sub licensable, non-transferable, non-chargeable license to use (at Licensee's option) the CI Plus Logo (the "**Mark**") pursuant to the "CI Plus Logo Guidelines" posted at URL as updated from time to time in accordance with the terms of this Agreement. All goodwill associated with the use of the Mark shall inure to and be owned by CI Plus LLP.

#### **5.0 REGISTRATION**

**5.1 Generally.** Licensee shall not use, transfer, lease, sell, or offer to sell or otherwise dispose of a Licensed Product of certain Device Type until such Device Type has been Registered. The Registration requirements and guidelines which are not set forth in this Section 5.0 or Exhibit J (Registration Procedure) are located at URL, which is to be revised by CI Plus LLP from time to time.

There are two types of Registration, where a sample of Device is tested by Test Partners ("Normal Registration") and Licensee conducts its own testing ("Host Self-Test Registration", available only for Hosts), Licensee shall undertake Normal Registration pursuant to Exhibit J unless it is eligible for Host Self-Test Registration as set forth in Section 5.2.

**5.1.1** CI Plus LLP and its designated Test Partners shall operate a Registration process which is objective, fair and non-discriminatory.

**5.1.2** Registration shall in no way be deemed to create any acknowledgements or warranties on the part of CI Plus LLP, including any acknowledgement or warranty that any Device is compliant with the requirements hereunder and Registration shall not be deemed to be a waiver by CI Plus LLP of its own rights or remedies set forth in this Agreement.

**5.1.3** Licensee shall pay Registration Fee to CI Plus LLP pursuant to Section 8.1.

**5.1.4** Without limiting any other provision, the breach of which may be material, the parties acknowledge that selling or distributing a non-Registered Device Type is a Material Breach of this Agreement.

**5.2 Host Self-Test Registration status.** If Licensee completed successful Registration of two (2) different Hosts as Registered Device within a two (2) year period, Licensee may choose Self-Test Registration for succeeding Hosts as Registered Devices, provided that a Licensee has not been determined by CI Plus LLP to have committed a Material Breach in connection with the Specifications, Compliance Rules or Robustness Rules in that same period. The CI Plus LLP may revoke Host Self-Test Registration status for the Named Licensee and all of its Affiliates for any Material Breach by a Licensee. Licensee shall undertake Host Self-Test Registration pursuant to Exhibit J. Host Self-Test Registration rights (with respect to previously un-Registered Device Type) shall expire

whenever more than 2.5 years have elapsed since the last Registration of Licensee's Host as Registered Device through Normal Registration.

- 5.2.1** Upon sunrise of a new version of the Specification, CI Plus LLP may reset Host Self-Test Registration status of all Licensees, such that two subsequent successful device registrations within a two-year period are required to re-obtain Self-Test Registration status. Such reset shall be notified on the date of publication of the sunrise of a new version of the Specification and be effective on the date of sunrise of that new version.
- 5.2.2** CI Plus LLP may suspend or reset Host Self-Test Registration status, as per 5.2.1, of an individual Licensee if CI Plus LLP has, according section 15.3.2 (c). and Exhibit L, decided on Revocation and/or De-Registration of a Device Type of Licensee.
- 5.3** The maximum number of Device Digital Certificates that can be purchased per CI Plus Root of Trust, for a Device Type registration is 12 million. If Device Digital Certificates are required in excess of 12 million, a new Device Type can be registered, pursuant to this section 5.

## **6.0 CHANGES**

### **6.1 Scope of Changes.**

This Section 6.0. applies to changes in the following (collectively, "Changes"):

- 6.1.1** Device Type (Exhibit A);
- 6.1.2** Robustness Rules (Exhibit B);
- 6.1.3** Compliance Rules for Host Devices (Exhibit C);
- 6.1.4** Compliance Rules for CICAM Devices (Exhibit D);
- 6.1.5** URI Mapping Table (Exhibit E);
- 6.1.6** Robustness Rules Checklist (Exhibit G);
- 6.1.7** Registration Procedure (Exhibit J);
- 6.1.8** Revocation Procedure (Exhibit L); and
- 6.1.9** Specifications

- 6.2 Types of changes.** The Specifications, Compliance Rules, Robustness Rules and other requirements as set forth in Section 6.1 above may be changed in the following cases from time to time by CI Plus LLP in accordance with this Section 6.0.

**6.2.1 Normal.** "Normal Changes" shall mean any change that meets the following three conditions (i) such change is not a Security Critical Change, (ii) such change does not require altering the existing requirements or adding new requirements for Licensed Product that would create compatibility problems with Licensed Products manufactured prior to such change, and (iii) such change is not a revision to the Specifications, Compliance Rules or Robustness Rules that would materially increase the cost or complexity of implementations of Licensed Products.

**6.2.2 Security Critical.** "Security Critical Changes" shall mean changes those are critical to safety or for preventing theft of service or to protection of Controlled Content or to maintaining the effectiveness of the Specifications, Compliance Rules or Robustness Rules in order to maintain protection of Controlled Content.

**6.2.3 No other Changes.** CI Plus LLP shall not make Changes under these change management rules other than Normal Changes or Security Critical Changes.

**6.3 Change Control Timing.** The CI Plus LLP shall make reasonable effort to manage the timing of changes on a reasonable commercial basis with a view to balancing needs of the manufacturers of Licensed Products whilst maintaining the integrity of the CI Plus system, and will notify Named Licensee pursuant to the procedure set forth in Exhibit K the date from which Licensee may apply amendments (“Publication Date”) and by which Licensee shall be required to comply with amendments (“Date of Effect”) in accordance with the following.

**6.3.1 Normal Changes.** For Normal Changes in Specification, Date of Effect shall be eighteen (18) months after the Publication Date, and for Normal Changes in Compliance Rules and Robustness Rules, Date of Effect shall be twelve (12) months after the Publication Date. For all other Normal Changes, CI Plus LLP shall provide grace period reasonably sufficient for Licensee to comply with.

**6.3.2 Security Critical Changes.** CI Plus LLP may require shorter grace period than that set forth in Section 6.3.1 for Security Critical Changes, making reasonable effort to minimize impact on Licensee.

**6.3.3 Previously Registered Device Type.** All Registrations of Device Types after Date of Effect shall be made in accordance with the new requirements. Registration of Device Type made prior to such Date of Effect of the Change continues to be in effect unless (a) CI Plus LLP withdraws such Registration according to the following sentence or (b) such change is a Security Critical Change, in which case Registration is automatically revoked on the Date of Effect for all previously Registered Devices that do not comply with the Security Critical Change. For Registration of Device Type made in accordance with requirements prior to Date of Effect of the Change, in the case of a Normal Change, CI Plus LLP may withdraw Registration thirty-six (36) months after the Publication Date of such Change. Licensee may continue to manufacture, use, sell or distribute Licensed Product which belongs to Device Type Registered in accordance with requirements prior to Change after the Date of Effect, so long as such Registration remains in effect.

#### **6.4 Change Control Process**

The CI Plus LLP shall notify Named Licensee of changes by procedure set forth in Exhibit K (Change Procedure).

### **7.0 INTELLECTUAL PROPERTY**

**7.1 Warranty by CI Plus LLP.** CI Plus LLP represents that each Member has agreed to grant to Licensee a non-exclusive, worldwide, non-transferable license under the Necessary Claims of Members that are owned or licensable by such Member or its Affiliates to make, have made, sell, offer to sell, use (including, for avoidance for doubt, lease) and import All Licensed Products and Licensed Components (as applicable to the activities Licensee is permitted to do under this Agreement) subject to reasonable and non-discriminatory terms and conditions. Reasonable and non-discriminatory terms and conditions as used in this Section shall include, but are not limited to, any per patent royalty for Necessary Claims that is established in the marketplace.

#### **7.2 Licensee Grant**

**7.2.1 Necessary Claims Patent.** Licensee is obligated subject to reasonable and non-discriminatory terms and conditions, to grant a non-exclusive, worldwide non-transferable license under all Necessary Claims that are owned or licensable by

Licensee without payment of royalties or other compensations to a third party other than its employees to Fellow Licensees, whether such entity becomes a Fellow Licensee before or after the Effective Date, solely in respect of such Fellow Licensee's authorized activities under the CI Plus Device Interim License Agreement. Reasonable and non-discriminatory terms and conditions as used in this Section shall include, but are not limited to, any per patent royalty for Necessary Claims that is established in the marketplace.

**7.2.2 Defensive Suspension by Licensees.** In the event a Fellow Licensee (i) fails to offer a license of its Necessary Claims to Licensee ("Affected Licensee") on the terms required by Section 7.2.1 of its CI Plus Device Interim License Agreement (Necessary Claims Patent), or (ii) brings an action for (a) infringement of Necessary Claims without offering a license in conformance with Section 7.2.1 of its CI Plus Device Interim License Agreement of its Necessary Claims, or (b) infringement of its copyrights or trade secrets, in each case where such copyrights or trade secrets are embodied in the Specifications against Affected Licensee, Affected Licensee may suspend its obligations to grant license of Necessary Claims under Section 7.2.1 with respect to such Fellow Licensee in question for so long as such Fellow Licensee fails to offer such a license or maintain such infringement action.

**7.3 Defensive Suspension by CI Plus LLP.** In the event Licensee brings an action for (i) infringement of Necessary Claims, copyrights, trade secrets or any other intellectual property of Licensee with respect to any portion of the Specifications, Production Credentials and Test Technology or (ii) infringement of patents, copyrights, trade secrets or any other intellectual property of Licensee with respect to any aspect of making available Keys and Device Digital Certificates against CI Plus LLP, Members or Affiliates thereof, CI Plus LLP may suspend any or all of the licenses granted to Licensee under Section 2.0.

**7.4 No Other License.** Licensee is advised, and Named Licensee warrants that it and each of its Affiliates acknowledges, that (a) it may require licenses other than those provided under this Agreement to engage in any activities permitted under this Agreement, including, but not limited to, patent licenses under Necessary Claims, and (b) except for the licenses expressly granted to the Licensee under Sections 2.0 and 7.2.1, nothing contained herein shall be construed as a grant of any license or right, expressly, by implication or estoppels, to any intellectual property rights of CI Plus LLP or any Member including its Affiliates or to any technology or standard or part thereof (including, without limitation, any cipher, output, recording, or compression/decompression technology) even though such other intellectual property, technology or standard may be mentioned in or required by the Specifications, the Compliance Rules or the Robustness Rules.

## **8.0 FEES**

**8.1 Payment of fees.** In consideration of the right and licenses granted hereunder, Licensee shall pay CI Plus LLP a non-refundable sum in the amount of "License Fee" set out in Exhibit I (Fee Schedule). Licensee shall not be entitled to refunds thereof for any reason. Licensee shall pay CI Plus LLP "Registration Fee" set out in Exhibit I for Registration of every Device Type pursuant to Section 5.0. Licensee shall pay fees for Device Digital Certificates and Keys as set out in Exhibit I in accordance with the Certificate Supply Agreement which Licensee executes pursuant to Section 3.5. ("License Fee",

“Registration Fee” and fee for Key and Device Digital Certificates shall be hereinafter collectively referred to as “Fees”).

**8.2 Change in fees.** Fees may be modified annually by CI Plus LLP and CI Plus LLP may make any such modification effective on January 1st of the following year, provided that (a) such modification shall be made in fair, reasonable and non-discriminatory way and (b) CI Plus LLP shall notify Named Licensee of the detail of such modification by December 1st of the current year. In case of CI Plus LLP’s failure to perform such notification, such modification shall be ineffective.

**8.2.1** Any increase in Fees shall not exceed an amount which commensurate with any increase in CI Plus LLP’s operational cost including but not limited to the cost of inflation. CI Plus LLP shall use commercially reasonable efforts to reduce the Fees where costs decrease.

**8.2.2** Without limiting other terms of Section 8.2, on December 31, 2012 and every third anniversary thereof, CI Plus LLP may, at its option, adjust any or all of the Fees for inflation based on the change in the Harmonized Indices of Consumer Prices (HICP) of Euro Principal European Economic Indicators from January of three years prior thereto to December of the then current year. CI Plus LLP may make any such adjustment effective on January 1st of the following year. Adjustments under this Section 8.2.2 and modifications under Sections 8.2.1 shall be independent of one another, and not mutually exclusive.

**8.3 Applicable Taxes.** Fees are exclusive of all applicable taxes and in particular do not include any national, state or local sales, use, value added or other taxes, customs, duties, or similar tariffs which CI Plus LLP may be required to pay or collect upon granting the rights and licenses hereunder or upon collection of the Fees. Licensee agrees to pay and bear the liability for all such applicable taxes, including but not limited to sales, use, value added or other taxes and all customs, duties, or governmental impositions. Should any tax or levy be made, Licensee agrees to pay such tax or levy and indemnify CI Plus LLP for any claim made by the authorities for such tax or levy demanded. Further if tax law requires that Licensee should deduct any applicable taxes from the amounts due to CI Plus LLP in accordance with this Agreement, then such deduction may only be made strictly in accordance with the requirements of such tax law. In such a case the amount due to CI Plus LLP as specified in this Agreement will be enlarged so that the net amount obtained by CI Plus LLP shall be equal to the amount foreseen under this Agreement.

## **9.0 CONFIDENTIALITY**

Licensee shall comply with the terms of Exhibit H (Confidentiality Agreement).

## **10.0 TERM AND TERMINATION**

**10.1 Term.** The term of this Agreement shall expire upon the earliest of (a) one (1) year after the Effective Date, (b) six (6) months after CI Plus LLP notifies Named Licensee that the Final License Agreement is available, or (c) if Named Licensee enters into a Final License Agreement with CI Plus LLP, the effective date of such Final License Agreement, in each case unless this Agreement is sooner terminated in accordance with this Agreement.

- 10.2 Termination by CI Plus LLP of Agreement for Cause.** CI Plus LLP may, upon notice to Named Licensee, terminate this Agreement in the event that:
- (a) Named Licensee commits, or
  - (b) where a Licensee is an Affiliate of Named Licensee, that Licensee is deemed to have committed (by way of Named Licensee's failure to procure that Affiliate's compliance with the following named Sections),  
a material breach of any term, representation, warranty or covenant set forth in Section 2.0, 4.0, 5.0, 8.0, 9.0 or 11.0 hereto and: (i) if the breach is curable, such breach remains uncured forty-five (45) Business Days following the date of Named Licensee's receipt of written notice of such material breach from CI Plus LLP; or (ii) such breach cannot be cured. Termination of the Agreement shall have the effect of De-Registration for all Registered Devices. CI Plus LLP shall not invoke the right of Termination under this Section 10.2 in response to cases of Material Breach which can be identified with a particular Registered Device, where De-Registration and/or Revocation of affected Registered Device alone, as per Section 15.3.1, would be a sufficient or more proportionate remedy.
- 10.3 Termination by Licensee.** Named Licensee may terminate this Agreement at any time upon written notice to CI Plus LLP. If the Named Licensee terminates this Agreement then any fees paid under Section 8 of this Agreement are non-refundable.
- 10.4 Effect of termination.** Upon the termination or expiration of this Agreement or Termination according to Sections 10.2 or 10.3 Licensee may no longer make, have made, use, sell, or offer to sell any Device Types, use the Production Technology therewith, nor use the Mark in connection therewith. Within twenty (20) Business Days after termination or expiration of this Agreement, Licensee shall return to CI Plus LLP, or destroy all CI Plus License Specification, Keys and Device Digital Certificates then in its possession or control. Notwithstanding the foregoing, if the termination or expiration did not result from Licensee's failure to satisfy the requirements of the Specifications, Robustness Rules or the Compliance Rules, Licensee may sell or distribute any remaining Licensed Products and/or Licensed Components for a period of up to two (2) years, or such longer period as CI Plus LLP may approve in writing. Unless otherwise stated herein, no termination or expiration of this Agreement, whether by CI Plus LLP or by Licensee, or termination or suspension of any license granted hereunder shall relieve either party of any obligation or liability accrued hereunder prior to such termination, or rescind or give rise to any right to rescind anything done by either party prior to the time such termination becomes effective nor shall the survival of the provisions referenced in Section 10.5 be affected by such termination. If the termination results from Licensee's failure to satisfy the requirements of the Specifications, Robustness Rules or the Compliance Rules, CI Plus may initiate Revocation of some or all Device Types of Licensee according section 15.3.
- 10.5 Survival.** Termination or expiration of this Agreement will not relieve either party from fulfilling its obligations that by their terms or nature survive termination or expiration, including, but not limited to Sections 1.0, 2.5 (to the extent that the Named Licensee shall procure its Affiliates' compliance with the other surviving Sections noted in this Section 10.5, 7.0, 9.0, 10.0, 11.0, 12.0, 13.0, 14.0, and 15.0 and 16.0. In addition, Exhibits B, C and D shall survive any termination of this Agreement with respect to products that are both Registered and distributed under this Agreement. For the avoidance of doubt, the warranty, license or obligation to grant a license under Section 7.0 shall survive termination or expiration of this Agreement only in respect of (i) the

version of the Specifications in effect at the date of such termination or expiration and (ii) Necessary Claims having a filing date on or before such termination or expiration; provided that the warranty under Section 7.1 shall not survive for a particular Device Type or Licensee, as the case may be, if this Agreement is terminated in accordance with Sections 10.2 or 10.3

**11.0 REPRESENTATIONS, WARRANTIES, AND COVENANTS; DISCLAIMERS**

**11.1 CI Plus LLP.** CI Plus LLP warrants that:

- (a) It has the right to enter into this Agreement;
- (b) Without investigation, it is not aware of any notice or claim, threatened or pending, that the use of the Production Technology or Mark in accordance with the terms of this Agreement infringes any third party's copyrights or trademarks, except as identified by CI Plus LLP to any Named Licensee;
- (c) CI Plus LLP has authorized the person who has signed this Agreement for CI Plus LLP to execute and deliver this Agreement to Named Licensee on behalf of CI Plus LLP; and
- (d) This Agreement constitutes a valid and binding obligation of CI Plus LLP; enforceable according to its terms.

**11.2 Licensee.** Named Licensee represents, warrants, and covenants that:

- (a) Named Licensee has authorized the person who has signed this Agreement for Named Licensee to execute and deliver this Agreement to CI Plus LLP on behalf of Named Licensee;
- (b) This Agreement constitutes a valid and binding obligation of Named Licensee, enforceable according to its terms; and
- (c) As to each of Licensed Products made under this Agreement the Licensed Product shall:
  - (i) be compliant with the applicable Specifications, Compliance Rules and Robustness Rules;
  - (ii) at the time of manufacture, contain no integrated circuit, ROM, RAM, software or other device or functionality that enables copying or recording of Controlled Content, other than as permitted by the Compliance Rules;
  - (iii) at the time of manufacture, be designed to maintain control of content copies consistent with copy control instructions or the encryption mode indicator bits transmitted with digital signals as specified in the Specifications; and
  - (iv) at the time of manufacture, be designed to effectively frustrate tampering and reverse engineering directed towards defeating copy protection requirements in accordance with the Robustness Rules.

**11.3 Disclaimers.** EXCEPT AS EXPRESSLY SET FORTH IN THIS SECTION 11.0, EACH PARTY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, (A) ANY WARRANTY THAT THE PRODUCTION TECHNOLOGY OR ANY SPECIFICATIONS DOES NOT INFRINGE THE INTELLECTUAL PROPERTY RIGHTS OF ANY OTHER PERSON OR ENTITY, (C) ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR (D) THAT THE RIGHTS AND LICENSES GRANTED TO LICENSEE HEREUNDER COMPRISE ALL THE RIGHTS AND LICENSES NECESSARY OR DESIRABLE TO PRACTICE, DEVELOP, MAKE OR SELL DEVICES. THE PRODUCTION TECHNOLOGY AND ENHANCEMENTS THERETO, AND ANY OTHER ITEMS, DELIVERABLES, OR INFORMATION SUPPLIED BY OR ON BEHALF OF CI PLUS LLP ARE PROVIDED ON AN "AS IS" BASIS. Licensee acknowledges that the Specifications may contain materials, including normative and other references, not owned or controlled by CI Plus LLP, or

made available by CI Plus LLP under this Agreement. Licensee understands that implementation of the Specifications may necessitate implementation or use of such materials, including normative references. Licensee further acknowledges that it may be required to enter into agreements with parties holding intellectual property rights related to such materials, and that such agreements may include obligations in addition to those contained herein, including, without limitation, a duty to pay royalties to such parties, full compliance with the Specifications, and/or a reciprocal grant of Necessary Claims.

## **12.0 INDEMNIFICATION**

**12.1** Named Licensee will defend, indemnify and hold harmless CI Plus LLP, against any third party claims and suits that arise from Named Licensee's breach of Section 11.2.

**12.2** CI Plus LLP will defend, indemnify and hold harmless Named Licensee, against any third party claims and suits that arise from CI Plus LLP's breach of Section 11.1(b).

## **13.0 THIRD PARTY BENEFICIARIES**

Licensee agrees that Third Party Beneficiaries of this Agreement shall be entitled to bring only such claims against Licensee as arise from a Material Breach of this Agreement by Licensee that results in unauthorized access, copying or distribution of Controlled Content hereunder. Third Party Beneficiaries shall have the right to notify CI Plus LLP of the need for potential De-registration and/or Revocation of a Device Type as per Section 15.3.1. and Exhibit L and be informed of status thereof. In any claim or action brought by a Third Party Beneficiary, reasonable legal fees shall be awarded to the prevailing party. Unless Licensee has engaged repeated Material Breach, such Third Party Beneficiaries may seek injunctive relief or, actual damages (up to the limits contained in Section 14.0) only if De-Registration and/or Revocation would not be a cure or remedy to reduce the harm resulting from a breach and only after completion of the actions as per section 15.3.1 and Exhibit L.

If a Licensee has engaged repeated Material Breach, Third Party Beneficiary may choose to immediately bring a Third Party Beneficiary Claim against Licensees without providing notice to the Licensee.

**13.1 No Limitations of Remedies.** Third Party Beneficiary's exercise of its right to be a third party beneficiary under this section 13 shall not constitute an election against any statutory or other non-contractual remedy against a Licensee which may be available to such Third Party Beneficiary for the same act that gave rise to the Third Party Beneficiary Claim.

## **14.0 LIMITATION OF LIABILITY**

Except in the case of a breach of sections 2.0 (license) or 11.2 (warranty), or claims arising under section 9.0 (confidentiality) or 12.0 (indemnification) of this Agreement, in no event shall any party (CI Plus LLP, Named Licensee, any CI Plus LLP member or affiliate thereof), or any other vendor be liable to the other party, or any Third Party Beneficiary, for any indirect, incidental, special, consequential, exemplary, or punitive damages in connection with or relating to this Agreement (including loss of profits, use, data, or other economic advantage), no matter what theory of liability, even if such party has been advised of the possibility or probability of such damages. Notwithstanding anything to the contrary contained in this agreement, the maximum total liability of CI Plus LLP under or in connection with this Agreement shall not exceed the total of sums



paid and payable by Licensee pursuant to section 8.0 by the date the claim is notified by Licensee to CI Plus LLP.

#### **14.1 Force Majeure**

Neither Party shall be held liable for delays or failure to perform resulting from acts beyond the reasonable control of such Party and which could not have been reasonably foreseen and provided against and with respect to which such Party shall exercise continuing diligence to resume performance of its obligations (an 'Event of Force Majeure'). Such Event of Force Majeure shall include those acts which are beyond Parties reasonable control.

Each of the Parties hereto agrees to give written notice forthwith to the other upon becoming aware of an Event of Force Majeure with such written notice to contain details of the circumstances giving rise to the Event of Force Majeure and its anticipated duration.

If a default due to an Event of Force Majeure shall continue for more than 4 weeks from the date of receipt of the notice then the Party not in default shall be entitled to terminate this Agreement. Neither Party shall have any liability to the other in respect of the termination of this Agreement as a result of an Event of Force Majeure.

The Party asserting an Event of Force Majeure shall not be excused performance of its obligations which are unaffected by such an Event of Force Majeure and shall endeavour to seek an alternative way of fulfilling its affected obligations without any materially adverse effect on the other Party.

#### **15.0 DENIAL OF SERVICE**

**15.1** Nothing in this Agreement shall prevent an Operator from denying Service to any individual Module.

**15.2** Nothing in this Agreement shall prevent an Operator from denying Services to any individual Host delivered through a Module that is otherwise authorized to descramble the Operator's Service, provided the Operator can restore supply of Services to such a Host (for instance to correct mistakes).

#### **15.3 De-Registration and Revocation.**

##### **15.3.1 Generally.**

CI Plus LLP may discover or be informed that certain Devices may be suspected of meeting the criteria of section 15.3.2. CI Plus LLP shall investigate such suspicions and if the criteria of section 15.3.2 are considered to be met, CI Plus LLP shall make efforts to engage with affected Licensees to find remedies to the identified problems. If remedies cannot be found, CI Plus LLP may decide to invoke (i) Revocation if one or more of the criteria in 15.3.2.1 is met, or (ii) De-Registration if one or more of the criteria in 15.3.2.2 is met; in accordance with the procedure of Exhibit L based on evidence and associated communication with Licensee.

##### **15.3.1.1 Special Circumstances.**

In special circumstances where the Licensee can demonstrate that it is not technically or commercially feasible to update the non-compliance, CI Plus LLP may, at its own discretion, decide not to proceed with Revocation.

Such decision will take into consideration the following:

- (a) Whether a licensee has requested to be waived from Revocation,

(b) Whether the Licensee has implemented upgrade capability in the product and the Licensee has cooperated in good faith to cure the non-compliance by update, and nevertheless, it is not technically or commercially feasible to update the non-compliance.

(c) Whether CI Plus LLP reasonably believes that the Licensee has deliberately designed the product so that its CI Plus functionality cannot be upgraded, or has deliberately made such upgrade technically or commercially infeasible for the purpose of avoiding to cure non-compliance.

**15.3.2 Criteria** as referred to in section 15.3.1 are:

**15.3.2.1 Criteria for Revocation:**

- (a) A Key has been cloned such that the same Key is found in more than one device;
- (b) A Key has been lost, stolen, intercepted or otherwise misdirected, or made public or disclosed in violation of this Agreement
- (c) Material Breach of the terms of this Agreement as defined in 1.31 caused by a Device that does not meet Specifications, Compliance Rules or Robustness Rules; or
- (d) CI Plus LLP is required to implement Revocation by law, competent court order or competent governmental authority, but only within the relevant jurisdiction of such body. For purposes of the foregoing, CI Plus LLP shall be entitled, but not required, to appeal any such order, whether contained in a final judgment, interlocutory decree, or temporary or permanent injunction.

**15.3.2.2 Criteria for De-Registration:**

- (a) Material Breach of the terms of this Agreement as defined in 1.31 caused by a Device that does not meet Specifications, Compliance Rules or Robustness Rules; or
- (b) CI Plus LLP is required to implement De-Registration by law, competent court order or competent governmental authority, but only within the relevant jurisdiction of such body. For purposes of the foregoing, CI Plus LLP shall be entitled, but not required, to appeal any such order, whether contained in a final judgment, interlocutory decree, or temporary or permanent injunction.

**15.4 Procedures for De-Registration and Revocation.** The procedures set out in Exhibit L shall govern De-Registration and Revocation thereof. Such procedures provide for notice and review of CI Plus LLP decision and/or actions regarding De-Registration and Revocation where requested.

**15.5 Effect of De-Registration.** Upon the De-Registration of a Registered Device, Licensee may no longer make, have made, use, sell, or offer to sell that Device Type, use the Production Technology therewith, nor use the Mark in connection therewith. Within twenty (20) Business Days after De-Registration, Licensee shall return to CI Plus LLP or destroy Keys and Device Digital Certificates then in its possession or control for the applicable Device Type and confirm in writing to CI Plus LLP that such destruction has been completed. Unless otherwise stated herein, no De-Registration, whether by CI Plus LLP or requested by Licensee, shall relieve either party of any obligation or liability accrued hereunder prior to such termination, or rescind or give rise to any right to rescind anything done by either party prior to the time such De-Registration becomes effective.

**15.5.1 Remedies with Respect to De-Registration and/or Revocation.** Except as otherwise expressly provided in this Section 15.3.3, Licensee's sole recourse with respect to De-Registration and/or Revocation shall be the objection and arbitration procedures set

out in Exhibit L. CI Plus LLP, the Members and Third Party Beneficiaries shall each have no liability whatsoever with respect to any De-Registration and/or Revocation. Without limiting the foregoing, CI Plus LLP and the Members shall not have any liability with respect to any De-Registration and/or Revocation, and no compensation shall be made to Licensee, except that if CI Plus LLP determines that a De-Registration and/or Revocation was performed in error by CI Plus LLP, CI Plus LLP, at the request of Licensee may, at CI Plus LLP's discretion, (a) rescind the De-Registration and/or Revocation through substantially the same means as were used to effect the De-Registration and/or Revocation, or (b) provide for compensation to Licensee (or Licensee's affected customers) for each of its affected devices in an amount equal to the least of (i) the fair market value of each device, or (ii) the cost of reworking each device to incorporate a new Host Certificate and Device Keys in the case of Revocation or (iii) 25 Euro per device.

## **16.0 MISCELLANEOUS**

- 16.1 Independent Contractors.** The relationship established between the parties by this Agreement is that of independent contractors. Nothing in this Agreement shall be construed to constitute the parties as partners, joint ventures, co-owners, franchisers or otherwise as participants in a joint or common undertaking for any purpose whatsoever.
- 16.2 No Trademark Rights Granted.** Except as expressly provided in this Agreement, nothing contained in this Agreement shall be construed as conferring any right to use in advertising, publicity, or other promotional activities any name, trade name, trademark or other designation of either party hereto (including any contraction, abbreviation or simulation of any of the foregoing).
- 16.3 No Patent Solicitation Required.** Except as expressly provided herein, neither party shall be required hereunder to file any patent application, secure any patent or patent rights, provide copies of patent applications to the other party or disclose any inventions described or claimed in such patent applications.
- 16.4 Publicity.** Parties are free to disclose the fact that this Agreement has been executed by Named Licensee
- 16.5 Equitable Relief.** CI Plus LLP and Licensee agree and acknowledge that due to the unique nature of certain provisions hereof and the lasting effect of and harm from a breach of such provisions, including making available the means for widespread unauthorized copying of copyrighted content intended to be protected using the CI Plus Specification, if Licensee breaches its obligations hereunder (and in the case of a Licensee that is an Affiliate of Named Licensee, such Licensee shall be deemed to be in breach of such obligations if Named Licensee fails to procure that Affiliate's compliance with such obligations), money damages alone may not adequately compensate an injured party, and that injury to such party may be irreparable, and that specific performance or injunctive relief is an appropriate remedy to prevent further or threatened breaches hereof.
- CI Plus LLP shall also be entitled to seek injunctive relief to prevent further or threatened breaches of this Agreement if Licensee has engaged in repeated release of products or components without conformance to the provisions of this Agreement for which Licensee (or Named Licensee on that Licensee's behalf) received notice of the breach, whether or not Licensee corrected such repeated breaches following such notice.

**16.6 Damages Measure and Limitation.**

- 16.6.1** In the event of a Material Breach by Licensee (1) of Section 9.0 of this Agreement (Confidentiality), Licensee shall be liable for liquidated damages in the amount of one million Euros; (2) that involves the manufacture or distribution of devices or software that fail to protect Keys and Production Credentials as provided by the applicable Robustness Rules, Licensee shall be liable in an amount of one million Euros.
- 16.6.2** For breach of any other provision of this Agreement, Licensee shall be liable in an amount equal to its profits on the affected devices or software, and in no event more than five million Euros.
- 16.6.3** The Parties agree that the figure of one million euros referred to at Section 16.6.1 above represents a genuine pre-estimate of loss to CI Plus LLP upon the occurrence of the events provided for in Section 16.6.1.

**16.7 Product Audit.** CI Plus LLP shall have the right, where it comes into possession of objective evidence showing a substantial likelihood that there has been a Material Breach in connection with the Specifications; of the Compliance Rules or of the Robustness Rules to have examined or audited Licensee's records or other necessary materials related only to those activities permitted under this Agreement for the sole purpose to confirm and/or ascertain whether Licensee's purported Licensed Product is in compliance with the Specifications, Compliance Rules and Robustness Rules, upon thirty (30) calendar days' notice, or such earlier time as may be reasonable and required due to specific circumstances and shall use commercially reasonable means designed to minimize the disruption to Licensee's activities permitted under this Agreement while creating no disruption to Licensee's all other business activities, except that for these purposes, the mere necessity of assigning personnel to assist with providing documents and information to the auditors shall not be deemed to be a disruption. Licensee shall reasonably cooperate with CI Plus LLP to carry out any such audit. CI Plus LLP shall pay the cost of any audits unless Licensee's purported Licensed Product is found to be in non-compliance with the Specifications, Compliance Rules and/or Robustness Rules in which case Licensee will be obliged to reimburse CI Plus LLP for the cost of such audit. Notwithstanding the immediately preceding sentence, CI Plus LLP may, in its sole discretion, exempt Licensee from its obligation to reimburse the CI Plus LLP for any or all of the cost of audit, if Licensee's non-compliance with its purported Licensed Product with the Specifications, Compliance Rules or Robustness Rules has not caused a risk of material harm to the security of Controlled Content in CI Plus LLP's judgment. Each audit shall be conducted during Licensee's normal business hours. CI Plus LLP shall cause any third-party auditor selected hereunder to be a neutral, independent expert who is bound by the same confidentiality obligation to which Recipient is bound by under Exhibit H with respect to information obtained as a result of the audit, and shall be responsible in case of such third-party auditor's breach of its confidentiality obligation. If such third party auditor finds a Material Breach of this Agreement, CI Plus LLP shall have such auditor limit its report to CI Plus LLP only the facts directly relevant to such breach that are necessary to enforce this Agreement. In the event that such auditor finds no relevant, Material Breach of this Agreement, CI Plus LLP shall have such auditor limit its report to CI Plus LLP solely to such finding. Such reported information shall be deemed Licensee's Confidential Information. The Licensee has the right to receive the same report that examiner or auditor submitted to CI Plus LLP and to provide written comments to the examiner's or auditor's findings. Nothing in

this Section 16.7 shall limit CI Plus LLP's ability to acquire purported Licensed Products from the open market for evaluation.

**16.8 Law and Jurisdiction.**

This Agreement shall be construed, and the legal relations between the parties hereto and, so far as CI Plus LLP with reasonable endeavours procure, licensees shall be determined, in accordance with the law of England, without regard to its conflict of law rules.

Each party irrevocably agrees that the courts of England and Wales shall have exclusive jurisdiction to settle any dispute or claim arising out of or in connection with this agreement or its subject matter or formation (including non-contractual disputes or claims) save for any matters which are subject to resolution by arbitration as set out in this Agreement.

Each party hereto irrevocably consents to the service of process of said courts in any matter relating to this Agreement by personal delivery or by mailing of process, postage prepaid, at the addresses specified in this Agreement, or to the agent to be appointed pursuant to this section. Nothing contained in this Agreement shall affect the right to serve process in any other manner permitted by law.

If the Licensee's address stated on the front page of this Agreement is not England or Wales, then the Licensee may appoint an agent in England or Wales for acceptance of service of process provided for under this Agreement.

The parties waive any objections to the jurisdiction, process and venue of any such courts, and to the effectiveness, execution and enforcement of any order or judgment (including, but not limited to, a default judgment) of such courts pertaining to this Agreement, to the maximum extent permitted by the law of the place where enforcement or execution of any such order, judgment or law might be claimed to be applicable regarding the effectiveness, enforcement or execution of such order, judgment or decision, including places outside of England and Wales.

**16.9 Compliance with Laws.** In connection with this Agreement, each party shall comply with all applicable regulations and laws, including export, re-export and foreign policy controls and restrictions that may be imposed by any relevant government. Each party shall require its commercial customers with a contractual relationship that may export Devices to assume an equivalent obligation with regard to import and export controls.

**16.10 No Assignment.** Licensee shall not assign any of its rights or privileges under this Agreement without the prior written consent of CI Plus LLP, such consent not to be unreasonably withheld or delayed. No consent shall be required for the assignment of this Agreement to any wholly-owned subsidiary of Licensee or for the assignment in connection with the merger or the sale of Licensee or Licensee's business unit provided that Licensee shall remain liable for its obligations hereunder. Any attempted assignment or grant in derogation of the foregoing shall be void.

**16.11 Notice.** Any notices required or permitted to be made or given to either party pursuant to 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) Business Days after deposit in the mail. All notices must be sent to the address set forth on the first page of this Agreement.

- 16.12 Amendments.** No amendment or modification hereof shall be valid or binding upon the parties unless made in writing and signed by both parties.
- 16.13 Waiver.** Any waiver by either party of any breach of this Agreement shall not constitute a waiver of any subsequent or other breach.
- 16.14 Severability.** If any provision or provisions of this Agreement shall be held to be invalid, illegal or unenforceable, the validity, legality and enforceability of the remaining provisions shall not be in any way affected or impaired thereby.
- 16.15 Headings.** The headings of the several sections of this Agreement are for convenience and reference only and are not intended to be a part of or to affect the meaning or interpretation of this Agreement.
- 16.16 Entire Agreement.** This Agreement, together with the appendices and the documents incorporated herein by reference, embody the entire understanding of the parties with respect to the licenses granted hereunder and supersedes all prior oral or written agreements with respect to the subject matter hereof.
- 16.17 Most Favoured Status.** In the event that CI Plus LLP enters into a CI Plus Device Interim License Agreement (the “**CI Plus Device Interim Agreement**”) with another manufacturer of Licensed Products and/or Licensed Components, and such other agreement has terms that are materially different from and more favourable to such other manufacturer than the terms in this Agreement are to Licensee, then Licensee shall have the option of amending this Agreement to reflect such material modification, provided, however, that if such other CI Plus Device Interim License Agreement contains other material modifications from the terms of this Agreement, Licensee also agrees to be bound by such other modifications. CI Plus LLP shall post to the URL (with redaction of company-specific information) the most recent CI Plus Device Interim License Agreement entered into by CI Plus LLP that will be subject to most favoured status treatment under this Section 16.17.
- 16.18 Currency.** All fees shall be paid to CI Plus LLP or to its order in Euro Currency by wire transfer or such other means as CI Plus LLP may reasonably specify.
- 16.19 Third Party Rights.** Save as specifically provided for elsewhere in this Agreement, a person or entity that is not a party to this Agreement shall have no right under the Contracts (Rights of Third Parties) Act 1999 or otherwise to enforce any term of this Agreement.

**Remainder of this page intentionally left blank.**

## **LIST OF EXHIBITS**

- Exhibit A: Device Type, issued jan.1, 2013**
- Exhibit B: Robustness Rules version 1.1, issued jan.1, 2011**
- Exhibit C: Compliance Rules for Host Device version 1.5, issued jan.1, 2018**
- Exhibit D: Compliance Rules for CICAM Device version 1.2, issued jan 1, 2018**
- Exhibit E: URI Mapping Table version 1.4, issued jan.1, 2018**
- Exhibit F: [Intentionally left blank]**
- Exhibit G: Robustness Rules Checklist version 1.2, issued jan.1, 2013**
- Exhibit H: Confidentiality Agreement, issued jan.1, 2012**
- Exhibit I: Fee schedule, issued jan.1, 2017**
- Exhibit J: Registration Procedure, issued aug.1, 2013**
- Exhibit K: Change Procedure, issued jan1, 2012**
- Exhibit L: Revocation Procedure, issued jan.1, 2018**
- Exhibit M: Informative Flow Chart describing Arbitration Process, issued jan.1, 2018**

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## **Exhibit A: Device Type**

Device Type means a class of Devices that are identical to, or considered to be derivative of, a Device which has been successfully Registered. A Device is considered to be derivative of a Device when it uses the same hardware and software implementation in so much as it affects the Specifications, Compliance Rules and Robustness Rules. Each Device Type will be assigned a specific identifier by the CI Plus LLP.

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**Exhibit B: Robustness Rules  
Version 1.1**

*Note: The terms of this Exhibit B do not apply with respect to Prototypes or Licensed Components.*

**1.0 Construction.**

**1.1 Generally.** The Licensed Products as shipped shall meet the Compliance Rules and shall be designed and manufactured in a manner to effectively frustrate attempts to modify such Licensed Products to defeat the Compliance Rules or functions of the Specifications. Firmware and firmware updates for the Licensed Product shall remain under control of the Manufacturer of said Licensed Product. Under no circumstances shall it be possible for the consumer to add arbitrary binary applications to the Licensed Product except when said application is i) approved by the Manufacturer or ii) application isolation from the CI Plus content protection functions is provided.

**1.2 Defeating Functions.** Licensed Products shall not include:

(a) switches, buttons, jumpers, specific traces that can be cut, or software equivalents of any of the foregoing; or

(b) active JTAG ports of hardware components implementing Specifications, emulator interfaces or test points to probe security functions; or

(c) service menus or functions (including remote-control functions);

in each case by which the content key calculation technology, content protection technologies, analogue protection systems, Reprotection, CGMS-A/EMI/APS signalling, output restrictions, recording limitations, or other mandatory provisions of the Specifications or the Compliance Rules can be defeated or by which Controlled Content can be exposed to unauthorized access, copying, redistribution, or modification of user rights. For the purpose of this Exhibit B, "Reprotection" shall mean the application of an approved, protection technology, when required, to Controlled Content received from a CICAM that is to be output from the Host Device, and the integrity of the system and methods by which such application is assured. This Section 1.2 does not prohibit the licensed manufacturer from designing and manufacturing its products incorporating means used to analyse or repair products provided that such means do not cause the products to be non-compliant with the Compliance Rules and Robustness Rules.

**1.3 Keep Secrets and Maintain Integrity.**

**1.3.1** Licensed Products shall be designed and manufactured in a manner to effectively frustrate attempts to discover or reveal Keys, Production Credentials and intermediate cryptographic values including those listed in the table 5.2 of the CI Plus Specification Version 1.3 that are stored (in volatile and/or non-volatile memory) by the Licensed Product.

**1.3.2** Licensed Products shall be designed and manufactured in a manner to effectively frustrate attempts to replace or change Revocation Signalling Data and Revocation Lists (RSD, CRL, and CWL).

**1.4 Documents and Robustness Certification Checklist.**

**1.4.1** Before releasing any Licensed Product, Licensee must perform tests and analyses to assure compliance with this Exhibit B. A CI Plus Robustness Certification Checklist is attached as Section 2.0 of the Exhibit G for the purpose of assisting Licensee in performing tests covering certain important aspects of this Exhibit B. Inasmuch as the CI Plus Robustness Certification Checklist does not address all elements required for the manufacture of a compliant product, Licensee is strongly advised to review carefully the Specifications, CI Plus License Document, the Compliance Rules and this Exhibit B so as to evaluate thoroughly both its testing procedures and the compliance of its Licensed Products.

**1.4.2** Licensee specifically acknowledges and agrees that it must provide copies of the Specifications, the Compliance Rules, the Robustness Rules, and the CI Plus Robustness Certification Checklist to its responsible supervisors of product design and manufacture in such manner and at such times as to effectively induce compliance with such materials and completion of the CI Plus Robustness Certification Checklist.

**2.0** **Controlled Content Paths.** Content shall not be available on outputs other than those specified in the Compliance Rules, and, within such Licensed Product, Controlled Content shall not be present on any user accessible buses (as defined below) in non-encrypted form. Similarly, unencrypted keys used to support any content encryption and/or decryption in the Licensed Product's data shall not be present on any user accessible buses. A "user accessible bus" means a data bus which is designed for end user upgrades or access such as PCI that has sockets or is otherwise user accessible, Smartcard, PCMCIA, Cardbus, USB, and Ethernet but not memory buses, CPU buses and similar portions of a device's internal architecture.

The Licensed Product shall not allow keys used by the CI Plus content en-/decryption processes to be present on any internal interface unless protected against unauthorized interception to the level of protection described in Section 3.0(e) of this Exhibit B.

**3.0** **Methods of Making Functions Robust.** Licensed Products shall use at least the following techniques to make robust the functions and protections specified in this Agreement:

**(a) Distributed Functions.**

**(i) CICAM.** The portions of the Licensed Product that perform authentication and encryption shall be designed and manufactured in a manner associated and otherwise integrated with each other such that Controlled Content in any usable form flowing between these portions of the Licensed Product shall be secure to the level of protection described in Section 3.0(e) of this Exhibit B below from being intercepted or copied.

**(ii) Host.** The portions of the Licensed Product that perform authentication and decryption and the MPEG (or similar) decoder shall be designed and manufactured in a manner associated and otherwise integrated with each other such that Controlled Content in any usable form flowing between these portions of the Licensed Product shall be secure to the level of protection described in Section 3.0(e) of this Exhibit B below from being intercepted or copied.

**(b) Software.** Any portion of the Licensed Product that implements a part of the

Specifications in software shall include all of the characteristics set forth in Sections 1.0 and 2.0 of this Exhibit B. For the purposes of this Exhibit B, “Software” shall mean the implementation of the functions as to which this Agreement requires a Licensed Product to be compliant through any computer program code consisting of instructions or data, other than such instructions or data that are included in Hardware. Such implementations shall:

**(i)** Comply with Section 1.3.1 of this Exhibit B by any reasonable method that may include but is not limited to encryption, execution of a portion of the implementation in ring zero or supervisor mode, and/or embodiment in a secure physical implementation; and in every case of implementation in software, using effective techniques of obfuscation to disguise and hamper attempts to discover the approaches used;

**(ii)** Be designed to perform self-checking of the integrity of its component parts such that unauthorized modifications will be expected to result in a failure of the implementation to provide the authorized authentication and/or decryption function. For the purpose of this provision, a “modification” includes any change in, or disturbance or invasion of features or characteristics, or interruption of processing, relevant to Sections 1.0 and 2.0 of this Exhibit B. This provision requires at a minimum the use of digitally signed code in accordance with Section 1.1 of this Exhibit B; and

**(iii)** Meet the level of protection outlined in Section 3(e) below.

**(c) Hardware.** Any portion of the Licensed Product that implements a part of the Specifications in hardware shall include all of the characteristics set forth in Sections 1.0 and 2.0 of this Exhibit B. For the purposes of these Robustness Rules, “Hardware” shall mean a physical device, including a component, that implements any of the content protection requirements as to which this Agreement requires that a Licensed Product be compliant and that (i) does not include instructions or data other than such instructions or data that are permanently embedded in such device or component; or (ii) includes instructions or data that are not permanently embedded in such device or component where such instructions or data have been customized for such Licensed Product and such instructions or data are not accessible to the end user through the Licensed Product.

Such implementations shall:

**(i)** Comply with Section 1.3.1 of this Exhibit B by any reasonable method that may include but is not limited to: embedding Keys, key generation methods, and cryptographic algorithms in silicon circuitry or firmware that cannot reasonably be read or the techniques described above for software;

**(ii)** Be designed such that attempts to reprogram, remove, or replace hardware elements in a way that would compromise the security or content protection features of CI Plus or in Licensed Products would pose a serious risk of damaging the Licensed Product so that it would no longer be able to receive, decrypt or decode Controlled Content; and

**(iii)** Meet the level of protection outlined in Section 3.0(e) of this Exhibit B below.

For purposes of these Robustness Rules, “hardware” shall mean a physical device, including a component, that implements any of the content protection requirements as to which this Agreement requires that a Licensed Product be compliant and that (x) does not include instructions or data other than such instructions or data that are permanently embedded in such device or component; or (y) includes instructions or data that are not permanently embedded in such device or component where such instructions or data have been customized for such Licensed Product and such instructions or data are not accessible to the end user through the Licensed Product.

- (d) Hybrid.** The interfaces between hardware and software portions of a Licensed Product shall be designed so that they provide a similar level of protection which would be provided by a purely hardware or purely software implementation as described above.
- (e) Level of Protection.** The protection functions of the Specifications (maintaining the confidentiality of Keys, key generation methods and the cryptographic algorithms, conformance to the Compliance Rules and preventing Controlled Content that has been decrypted, from copying or unauthorized viewing) shall be implemented, at a minimum, in a way that they:
- (i)** Cannot be reasonably foreseen to be defeated or circumvented merely by using general purpose tools or equipment that are widely available at a reasonable price, such as screw drivers, jumpers, clips and soldering irons (“Widely Available Tools”), or using specialized electronic tools or specialized software tools that are widely available at a reasonable price, such as EEPROM readers and writers, debuggers or de-compilers or similar software development tools (“Specialized Tools”), other than devices or technologies whether hardware or software that are designed and made available for the specific purpose of bypassing or circumventing the protection technologies required (“Circumvention Devices”); and
  - (ii)** Can only with difficulty be defeated or circumvented using professional tools or equipment (excluding Circumvention Devices and professional tools or equipment that are made available only on the basis of a non-disclosure agreement), such as logic analysers, chip disassembly systems, or in-circuit emulators or other tools, equipment, methods or techniques not included in the definition of Widely Available Tools and Specialized Tools in subsection (i) above.
- (f) Advance of Technology.** Although an implementation of a Licensed Product when designed and shipped may meet the above standards, subsequent circumstances may arise which, had they existed at the time of design of a particular Licensed Product, would have caused such product to fail to comply with this Exhibit B. If Licensee has (a) actual Notice of New Circumstances, or (b) actual knowledge of New Circumstances (the occurrence of (a) or (b) hereinafter referred to as “Notice”), then within eighteen months after Notice Licensee shall cease distribution of such Licensed Product and shall only distribute Licensed Products that are compliant with this Exhibit B in view of the then-current circumstances.

## **Exhibit C: Compliance Rules for Host Devices Version 1.5**

*Note: The terms of this Exhibit C do not apply with respect to Prototypes or Licensed Components.*

Licensed Products, must comply with the requirements set forth in this Exhibit and be constructed so as to resist attempts at circumvention of these requirements as specified in Exhibit B, Robustness Rules.

Licensor may approve from time to time additional outputs and/or content protection technologies on a reasonable and non-discriminatory basis and add such provisions to this Exhibit. The Change Control is indicated in Exhibit K of this Licensee Agreement

### **1.0 DEFINITIONS**

- 1.1 “Constrained Image”** means the visual equivalent of not more than 520,000 Pixels per frame (e.g. an image with resolution of 960 horizontal pixels by 540 vertical pixels for a 16:9 aspect ratio). A Constrained Image can be output or displayed using video processing techniques such as line doubling or sharpening to improve the perceived quality of the image.
- 1.2 “Image Constraint Trigger” or “ICT”** means the field as defined in the CI Plus Specification and mapped to outputs as described in Section 2.0 of this Exhibit C.
- 1.3 “Controlled Content”** means content that has been received over and is interpreted by the CI Plus interface with a.) the Encryption Mode Indicator (“EMI”) bits set to a value other than zero, zero (0,0), or b.) content with the Encryption Mode Indicator (“EMI”) bits set to the value zero, zero (0,0) and the RCT bit set to one (1).
- 1.4 “Uncontrolled Content”** means content that has been received over and is interpreted by the CI Plus interface with the Encryption Mode Indicator (“EMI”) bits set to zero, zero (0,0) and the RCT bit set to zero (0). For avoidance of doubt, clear content passing through the CICAM unprocessed (i.e. in CICAM pass through mode) is also Uncontrolled Content.
- 1.5 “Computer Monitor Output”** means a connector for an analogue or digital monitor typically found and associated with a Computer Product and which carries uncompressed analogue and/or digital video signals. The term expressly includes those outputs known as VGA, SVGA, XGA and various non-standardized digital monitor connections which have been implemented by manufacturers, and expressly does not include such typical consumer electronics connectors as NTSC, PAL, SECAM, SCART, YPrPb, S-Video and Consumer RGB, whether or not such connectors are found on any Computer Product.
- 1.6 “High Definition Analogue Form [or] Output”** Definition not applicable anymore since Analog HD sunset (effective September 2012).
- 1.7 “Standard Definition Analogue Form [or] Output”** means a format or output that is not digital, is NTSC, PAL or SECAM RF, Composite, S-Video, YUV, Y,R-Y,B-Y or RGB and has no more than 480 interlace or progressive active scan lines in 60Hz field rate mode and 576 interlace or progressive active scanning lines in 50Hz field rate mode.

For avoidance of doubt, a Computer Monitor Output is not a Standard Definition Analogue Form [or] Output.

- 1.8 “Secure Storage Product”** means a product that ensures that the stored Controlled Content is uniquely cryptographically associated with the original Licensed Product connected to the storage device, so that it can only be accessed by the product in compliance with rules applicable to the stored Controlled Content and is able to withstand “storage cloning attacks”. The product shall be made in compliance with specified robustness requirements to avoid circumvention of such restrictions that are recognized by the Licensor.
- 1.9 “Secure Storage Licensed Product”** means a Licensed Product that is a Secure Storage Product and which fulfils the Robustness Requirements as per this Agreement. Controlled Content shall be stored encrypted in a way to provide no less security than the encryption system used to protect the Controlled Content over the CI Plus interface. Any key(s) to provide access to this encrypted content shall be securely stored in the Secure Storage Licensed Product in accordance with the Robustness Requirements as per this agreement.
- 1.10 “disk / storage cloning”** attack is characterized by the following example:
- A first licensed product (Host-1) correctly stores "Copy one generation" content on a hard drive (HD-1).
  - A bit-for-bit copy (a "clone") of HD-1 is made (in violation of this license and federal copyright law) on a second hard drive (HD-Clone).
  - Content on HD-1 is then “moved” to a second licensed product (Host-2, having HD-2) in accordance with CI Plus Compliance Rules for Host Devices, and the content is correctly obliterated from HD-1.
  - HD-1 in Host-1 is now replaced with HD-Clone, resulting in two usable copies (one on Host-1 with HD-Clone, and a second on Host-2 with HD-2).
  - Further unauthorized copies may be made similarly by making multiple clone disks.
- 1.11 “Analogue Audio Output”** means mono, stereo or multi-channel analogue audio output, by way of e.g. RCA or cinch output jack.
- 1.12 “RCT” or “Redistribution Control Trigger”** means the field or bits, as described in the CI Plus Specification, used to trigger the Encryption Plus Non-assertion (“EPN”) state for protected digital outputs or recordings in the Certified Host Devices when the RCT value of the URI is set to a value of one (1) in combination with the EMI bits set to a value of zero, zero (0,0), which signals the need for redistribution control to be asserted on Controlled Content without the need to assert numeric copy control<sup>1</sup>.
- 1.13 “RL” or “Retention Limit”** means the fields or bits, as described in the CI Plus Specification, used to express the internal retention limit on recorded content with EMI bits set to the value one, one (1,1). The default internal retention is 90 minutes, which may be overridden by the Retention Limit.

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<sup>1</sup> RCT may not be set to restrict redistribution except in content that could lawfully be marked Copy One Generation but is instead marked Copy Freely.

- 1.14** “**URI**” or “**Usage Rules Information**” is the information, determined by the content provider and/or the content distributor and received from the CICAM, that the host uses to control copy creation, analogue output copy control encoding and to set copy control parameters on Host outputs. Refer to the CI Plus Specification for a definition of the URI syntax.
- 1.15** “**Move**” shall mean a process by which content that is usable by only a first device is effectively rendered unusable by that device and is rendered usable by only one other device or removable media, only in such manner that the content is never simultaneously usable by more than one device or removable media.
- 1.16** “**User Input Event**” means a distinct action of the user on using the user interface controls of the Licensed Product that represents the user’s input.
- 1.17** “**MMI**” means Man Machine Interface as defined in the CI Plus Specification, using either high level MMI, low level MMI, CI Plus browser MMI or MHP API interface based applications: any defined CI Plus mechanism whereby the module can interact with the user via the host.
- 1.18** “**Host Service Shunning**” means method described in Section 10 of the CI Plus Specification Version 1.3.
- 1.19** “**DOT Content**” means Controlled Content which EMI bit is set to “Copy Never” or “Copy Once”, and Digital Content Token as described in CI Plus Specification is set to “Digital Only Constraint asserted” so as to prohibit analogue and non-secure digital output.
- 1.20** “**Trick Mode Restricted Content**” means Controlled Content which EMI bit is set to “Copy Once”, and Trick Mode Control as described in CI Plus Specification is enabled.
- 1.21** “**Trick Mode Restricted Segment**” means portion of a continuous recording that (i) is continuous by itself, (ii) contains only Trick Mode Restricted Content, (iii) is at the start of the recording or is immediately preceded by non-Trick Mode Restricted Content, and (iv) is at the end of the recording or is immediately followed by non-Trick Mode Restricted Content.

## **2.0** **OUTPUTS**

Refer to Exhibit E (URI mapping) for URI interpretation when outputting Controlled Content under this Section 2.0.

- 2.1** **General.** Licensed Product shall not output Controlled Content to any output, except as permitted in this Section 2.0. For purposes of this Exhibit C, an output shall be deemed to include, but not be limited to, any transmissions to any internal copying, recording, or storage device, but shall not include internal non-persistent or transitory transmissions that otherwise satisfy these Compliance Rules and the Robustness Rules.

Licensed products are not constrained with regard to the output of Uncontrolled Content by this License Agreement.

For avoidance of doubt: Licensed Products are permitted to implement the instructions provided by the URI bits by ensuring that either:

- i) Controlled Content is only sent to an output or to storage when this offers adequate protection in the context of this Agreement, e.g. depending on the state of the URI bits, resolution or other parameters, or:
- ii) by NOT sending any Controlled Content to an output or storage.

Licensees are recommended to consider how such behaviour is adequately communicated to the end-user.

**2.2 Standard Definition Analogue Output.** Subject to the requirements of Section 2.7, a Licensed Product shall not pass Controlled Content to an NTSC, YUV, SECAM, PAL, or consumer RGB format analogue output (including an S-video output for the listed formats) unless the Licensed Product generates copy control signals according to the information provided in the EMI bits and APS bits of the URI information in accordance with the Specifications. A Licensed Product may, as follows, pass Controlled Content to an output if it uses the following technologies:

**2.2.1** For NTSC analogue outputs, however transmitted, the specifications for the Automatic Gain Control and Colorstripe copy control systems (contained in the document entitled "Specification of the Macrovision Copy Protection Process for STB/IRD Products" Revision 7.1.S1, October 1, 1999 or other applicable specification licensed by Macrovision) and the CGMS-A specifications contained in IEC 61880 (for inclusion on Line 20) or in CEA-608-B (for inclusion on Line 21), provided that, except as otherwise expressly provided in Section 2.2.5, all of such technologies must be utilized in order to meet this requirement.

**2.2.2** For PAL, SECAM or YUV outputs, the appropriate specifications (i) for the Automatic Gain Control copy control system (contained in the document entitled "Specification of the Macrovision Copy Protection Process for STB/IRD Products" Revision 7.1.S1, October 1, 1999 or other applicable specification licensed by Macrovision) and (ii) for the CGMS-A copy control system (contained in IEC 61880 (for inclusion on Line 20) or IEC 61880-2 (for inclusion on Line 41) or in CEA-608-B (for inclusion on Line 21) or in CEA-805 (for inclusion on Line 19, 24 or 41) for YUV (60Hz systems) outputs or in ETS EN 300294 for PAL, SECAM, and YUV (625i/50 systems) outputs) or in IEC 62375 (for inclusion in line 43) for YUV (625p/50 systems) outputs), provided that, except as otherwise expressly provided in Section 2.2.5, both of these technologies must be utilized in order to meet this requirement. (Note; "YUV as used herein means a component video output comprised of a luminance signal (Y) and two color difference signal (U and V) and specifically includes the following component video signals (Y,Pb,Pr), (Y,Cb,Cr), (Y, Db, Dr), and (Y, B-Y, R-Y).)

**2.2.3** For 480p progressive scan outputs, the appropriate specification for (i) the Automatic Gain Control copy control system (contained in the document entitled "Specification of the Macrovision AGC Copy Protection Waveforms for Products with 525p and/or 625p YPbPr Progressive Scan Outputs" Revision 1.3 June 30, 2006 or other applicable specification licensed by Macrovision) and (ii) CGMS-A copy control system (contained in, or adapted without material change from, JEITA EIAJ CPR1204-1 (defining the signal waveform carrying the CGMS-A) and IEC61880-2 (defining the bit assignment for CGMS-A)).

**2.2.4** For 576p progressive scan outputs, the appropriate specification for (i) the Automatic Gain Control copy control system (contained in the document entitled "Specification of



the Macrovision AGC Copy Protection Waveforms for Products with 525p and/or 625p YPbPr Progressive Scan Outputs" Revision 1.3 June 30, 2006 or other applicable specification licensed by Macrovision) and (ii) CGMS-A copy control system (contained in, or adapted without material change from, IEC 62375:2004).

- 2.2.5** For SCART connectors, the Automatic Gain Control specifications for the PAL and SECAM signal carried by that connector, provided that the connector must be configured so that the component signal carried by the connector must always be accompanied by a composite signal and such composite signal must provide the only synchronization reference for the component signal.
- 2.2.6** A Licensed Product shall not apply Analogue Protection System (APS) to "Copy One Generation" Controlled Content, but it shall pass through, without alteration, the value of any APS trigger bits (as described in the Specifications) in accordance with the specifications relating to APS contained in (a) IEC 61880 (for inclusion of such value on Line 20) or CEA-608-B (for inclusion of such value on Line 21) for NTSC outputs or (b) ETS EN 300294 for PAL, SECAM and YUV (625i/50 systems) outputs or (c) IEC 61880 (for inclusion on Line 20) or IEC 61880-2 (for inclusion on Line 41) or CEA-608-B (for inclusion of such value on Line 21) or in CEA-805 (for inclusion on Line 19, 24 or 41) for YUV (60Hz systems) or (d) in IEC 62375 (for inclusion in line 43) for YUV (525/60 systems) outputs.
- 2.2.7** The Licensor may amend certain obligations set out in this Section 2.2, or specify alternative means to comply, if Licensor finds that the required technologies are not available on fair, reasonable and non-discriminatory terms.
- 2.3 High Definition Analogue Outputs.** This section is not applicable anymore since Analog HD sunset (effective September 2012).
- 2.4 Analogue Audio outputs.** Licensed Product with any analogue audio outputs shall only output the audio portion of Controlled Content as permitted by this Section 2.4
- 2.4.1 Analogue Audio Output.** The licensed product may pass the audio portion of Controlled Content to mono, stereo and multichannel Analogue Audio Output.
- 2.5 Digital Outputs.** Subject to the requirements of Section 2.7, Licensed Product with any digital outputs shall only output Controlled Content as permitted by this Section 2.5.
- 2.5.1 DVI/HDMI with HDCP.** Licensed Product may output Controlled Content to a DVI/HDMI output in digital form where such output is protected by HDCP, licensed by Digital Content Protection LLC and where HDCP is always active on all DVI and HDMI interfaces.  
Licensed Product must pass all validly received HDCP SRM, if any, from CICAM to HDCP function.  
Capitalized terms used in this Section, but not otherwise defined in this Exhibit C or the Agreement, shall have the meaning set forth in the HDCP Specification or the HDCP License Agreement.  
The Licensed products shall not deliberately interfere with SRM that may have been received directly from RF broadcast and make reasonable efforts to avoid such interference.

**2.5.2 HDCP Specification Revision 2.0** . Licensed Product may output Controlled Content to any wired or wireless interface including Wi-Fi, Ethernet and USB output in digital form where such output is protected by HDCP Specification Revision 2.0 or higher, licensed by Digital Content Protection LLC and where HDCP Specification Revision 2.0 is always active on all such interfaces. Licensed Product must pass all validly received HDCP revision 2.0 SRM, if any, from CICAM to HDCP revision 2.0 function. Capitalized terms used in this Section, but not otherwise defined in this Exhibit C or the Agreement, shall have the meaning set forth in the HDCP Specification Revision 2.0 or the HDCP Addendum to HDCP License Agreement. The Licensed products shall not deliberately interfere with SRM that may have been received directly from RF broadcast and make reasonable efforts to avoid such interference.

**2.5.3 S/PDIF with SCMS.** Licensed Product may pass the audio portion of Controlled Content to an output, in digital compressed or uncompressed form over S/PDIF, including TOS-link or coax interfaces, where the output has SCMS active and on. Licensed product shall provide a category code in conjunction to the L-bit and may choose a category code from the list defined in IEC60958-3, section 5.3.2.2.4, table 7

**2.5.4 Other digital audio output.** Licensed Product may pass the audio portion of Controlled Content over any digital audio output, without any content protection in a compressed or uncompressed format with the constraint of encoding at 48kHz, 16 bits or less.

**2.5.5 DTCP-IP.** Subject to the requirement of section 2.7, a Licensed Product may pass Controlled Content, received through the Service, in digital form where such output is protected by DTCP-IP.

- When so outputting or passing such content to a DTCP-IP output, the Licensed Product is required to:
  - i) map EMI settings from CI Plus URI to the DTCP Encryption Mode Indicator; and
  - ii) map URI settings APS, RCT settings as defined in the CI Plus Specification into DTCP Analogue Protection System (APS) signalling, and DTCP Encryption Plus Non-assertion (EPN) signalling in accordance with section 5.7 of the CI Plus Specification Version 1.3.
- Licensed Product must pass all validly received DTCP-IP SRM, if any, from CICAM to DTCP-IP function.
- Capitalized terms used in this Section, but not otherwise defined in this Exhibit B or the Agreement, shall have the meaning set forth in the DTCP specification or the DTCP Adopter Agreement.
- The Licensed products shall not deliberately interfere with SRM that may have been received directly from RF broadcast and make reasonable efforts to avoid such interference.

**2.6 Content and Signalling Non-Interference.** This Section shall not prohibit a Licensed product from incorporating features not intended for removal or interference of content and signalling (e.g. zooming, scaling, cropping, picture-in-picture, compression, recompression, image overlays, overlap of windows in a graphical user interface, audio

mixing and equalization, video mixing and keying, down sampling, up-sampling, and line doubling, or conversion between widely-used formats for the transport, processing and display of audiovisual signals or data, such as between analogue and digital formats and between PAL and NTSC or RGB and YUV formats, or trick play as well as other features as may be added to the foregoing list from time to time.

For this purpose Licensee should take into consideration specifications from DVB and other accredited standards organizations in the domain of Digital TV and consider any relevant information on the CI Plus Website addressing such non-interference requirements.

**2.6.1 Watermark Non-Interference.** The Licensed products shall not remove or deliberately interfere with watermarking technologies and shall make reasonable efforts to avoid such interference. Licensee shall take reasonable measures against marketing of its Licensed products by Licensee or cooperating with third party marketing of Licensed products as being fit for removing watermarks.

**2.6.2 Content Usage Non-Interference.** The Licensed products shall not remove or deliberately interfere with data carried in the stream intended for the protection of content, services and/or parental access and shall make reasonable efforts to avoid such interference. Attention is specifically drawn to the new features enabled in CI Plus Specification Version 1.3, Section 5.10, in which playback control is defined. Licensee shall take reasonable measures against marketing of its Licensed Products by Licensee or thirds as being fit for removing such data intended for the protection of content, services and/or parental access.

**2.6.3 MMI Non-Interference.** The Licensed products shall not remove or deliberately interfere with data or the video representation of the module MMI output to the user. The Licensed product shall not remove or deliberately interfere with user input and data representing User Input Events back to the module. Specifically the Licensed products shall not store pin-codes or other user input data used for authentication or identification purposes for subsequent forwarding as user generated input to the module MMI session, other than as used for legitimate reasons to enable the new features defined in CI Plus Specification Version 1.3, Section 5.11.

**2.7 DOT Content.** Notwithstanding the terms of Sections 2.2, 2.3 and 2.5, and except as provided in Section 2.4, Licensed Product shall not pass video portion of DOT Content to any output except as permitted by Sections 2.5.1 or 2.5.2 of this Exhibit C. CI Plus LLP shall further permit Licensed Product to permit output of DOT Content to DTCP-IP, once DTCP-IP is capable of supporting the output control equivalent of this Section 2.7.

### **3.0 COPYING, RECORDING, AND STORAGE OF CONTROLLED CONTENT**

**3.1 General.** Licensed Products, including, without limitation, Licensed Products with inherent or integrated copying, recording or storage capability shall not copy, record, or store Controlled Content, except as permitted in this Section. Storage of Controlled Content on removable storage media is not allowed except for scenarios described in Section 3.6 of this Exhibit C.

**3.2 Mere Buffer for Display.** Licensed Products may store Controlled Content temporarily for the sole purpose of enabling the immediate display of Controlled Content, provided

that (a) such storage does not persist after the content has been displayed, and (b) the data is not stored in a way that supports copying, recording, or storage of such data for other purposes, (c) the buffering is limited to a maximum of 10 seconds of video data.

- 3.3 Copy No More.** Licensed Products shall not copy, record or store Controlled Content that is designated in the EMI bits as having been copied but not to be copied further (“copy no more”), except as permitted in Section 3.2 or 3.5.2 of this Exhibit C.
- 3.4 Copy Never.** Licensed Products, including, without limitation, such a device with integrated recording capability such as a so-called “personal video recorder,” shall not copy Controlled Content that is designated in the EMI bits as never to be copied (“copy never”) except as permitted in Section 3.2 of this Exhibit C or by the following:
- 3.4.1 Storage:** A Secure Storage Licensed Product may, without further authorization, store content, including for the purpose of pausing, as to which Copy Never control has been asserted for the duration up to the Retention Limit from initial transmission and obliterate or render unusable the stored content after stated period of time (e.g. frame-by-frame, minute-by-minute, megabyte by megabyte, etc.), but in no event shall such unit of data exceed one minute of a Program.  
Content that has been stored/paused, shall be stored in a manner which is encrypted in a manner that provides no less security than 128-bit Advanced Encryption Standard (“AES”) and the stored content is securely bound to the Licensed Product doing the recording so that it is not removable in a usable form there from and is not itself subject to further temporary or other recording within the Licensed Product before it is rendered unusable; provided the device is made in compliance with specified robustness requirements to avoid circumvention of such restrictions.
- 3.4.2 Playback Control.** Notwithstanding Section 3.4.1, Secure Storage Licensed Product may store content as to which Copy Never [or Copy No More] control has been asserted in such a way that it can only be played back with authorisation with CICAM in accordance with Section 5.10 of CI Plus Specification Version 1.3.
- 3.5 Copy One Generation.** Licensed Products, including, without limitation, such a device with integrated recording capability such as a so-called “personal video recorder,” shall not copy Controlled Content that is designated in the EMI bits as “copy one generation” or “copy no more”, except as permitted in Section 3.2 of this Exhibit C or by the following:
- 3.5.1** Secure Storage Licensed Products can make a single copy of “Copy One Generation” Controlled Content. After storage the content shall be designated as “Copy No More”. Permissible output options for “Copy No More” content are defined in section 2.0 of this Exhibit C.
- 3.5.2** A Licensed Product may move stored Controlled Content or output Controlled Content marked as “Copy No More” to a single output, for the purpose of Move, with content state designated as “Copy One Generation”. Such Moved copy shall be protected by recording methods as permitted under this Section 3.5, or shall be output protected by methods as permitted under Section 2.5 of this Exhibit C. The Licensed Product shall ensure that after a successful Move is confirmed the original Licensed Product recording is rendered non-useable and the moved Controlled Content shall be marked “Copy No More”. Multiple moves consistent with these requirements are not prohibited.

**3.5.3** Controlled Content that is designated in the EMI bits as “Copy One Generation” may be copied to a removable storage, using any of the technologies in Section 3.6 of this Exhibit C. After copy is made, copy control status shall be changed to “Copy No More”.

**3.5.4** Notwithstanding Section 3.5.1, Secure Storage Licensed Products may store recording containing one or more Trick Mode Restricted Segments provided that (i) playback from a position in a Trick Mode Restricted Segment is authorized only when all content present in the Trick Mode Restricted Segment before the given position has been already played back at least once and (ii) fast-forward of Trick Mode Restricted Content is only allowed if the content has already been played back at least one.

### **3.6 Removable Storage**

Refer to Exhibit E for URI interpretation when recording Controlled Content under this Section 3.6.

**3.6.1 AACs.** Controlled content may be stored on a Blu-ray Disc, provided the copy is encrypted using AACs for Blu-ray Disc recordable in accordance with the Advanced Access Content System (AACs) as licensed by AACs LA LLC.

**3.6.2 CPRM.** Controlled Content may be stored on a DVD that is protected by Content Protection for the Recordable Media (CPRM) as licensed by 4C Entity. The copy protection information will be stored in each RDI pack.

**3.6.3 VCPS.** Controlled Content may be stored on a DVD that is protected by Video Content Protection System (VCPS) as licensed by Koninklijke Philips Electronics N.V.

**3.6.4** A Secure Storage Licensed Product may use a user accessible digital interface to store Controlled Content on a Secure Storage Product, if: (a) the Controlled Content is encrypted across the interface, and in storage, with an encryption algorithm that provides no less security than 128-bit AES; (b) the Controlled Content is uniquely cryptographically associated with the original Secure Storage Licensed Product connected to the Secure Storage Product, such that Controlled Content is unusable to any other product or device; (c) the interface and Secure Storage Product, or the system architecture, provides protection from a "disk cloning attack"; (d) no key information is stored on the Secure Storage Product unless encrypted with security no less than AES (128 bit); and (e) the Move, storage and copying of Controlled Content otherwise meets the criteria set forth in the Robustness Rules and the Compliance Rules for Host Devices.

**3.7 No Waiver.** Licensee acknowledges that the provisions of this Section 3.0 are not a waiver or license of any copyright interest or an admission of the existence or non-existence of a copyright interest.

**4.0 CHANGE OF VERSION**

- 4.1** User accessible menus that change the version of a CI Plus Host back to an earlier version of the CI Plus Specification than the version of the CI Plus Specification used for the Registration of that Host are not permitted.
- 4.2** If the Host contains one or more options that change the behaviour of any CI Plus resource to that of a higher version of the CI Plus Specification than the version of the CI Plus Specification used for the Registration of that Host, the Host must be compliant to the applicable specifications for every (combination of) settings of all such options.

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## **Exhibit D: Compliance Rules for CICAM Devices Version 1.2**

*Note: The terms of this Exhibit D do not apply with respect to Prototypes or Licensed Components.*

Licensed CICAM Products shall comply with the requirements set forth in this Exhibit and be constructed so as to resist attempts at circumvention of these requirements as specified in Exhibit B, Robustness Rules.

### **1.0 DEFINITIONS**

- 1.1 “Controlled Content”** means content that has been received over and is interpreted by the CI Plus interface with a.) the Encryption Mode Indicator (“EMI”) bits set to a value other than zero, zero (0,0), or b.) content with the Encryption Mode Indicator (“EMI”) bits set to the value zero, zero (0,0) and the RCT bit set to one (1). (Refer to Exhibit C for a description of EMI and RCT bits).
- 1.2 “Uncontrolled Content”** means content that has been received over and is interpreted by the CI Plus interface with the Encryption Mode Indicator (“EMI”) bits set to zero, zero (0,0) and the RCT bit set to zero (0). For avoidance of doubt, clear content passing through the CICAM unprocessed (i.e. in CICAM pass through mode) is also Uncontrolled Content. (Refer to Exhibit C for a description of EMI and RCT bits)
- 1.3 “Host Service Shunning”** means method described in Section 10 of the CI Plus Specification Version 1.3.

### **2.0 OUTPUTS**

- 2.1** The Compliance Rules do not define rules for outputs from CI devices, it is intended that such rules shall be set by the CA vendor and service operator.
- 2.2** The Licensed Product shall comply with the rules of Section 4.0 (Service operator requirements) of this Exhibit D.

### **3.0 STREAM PROCESSING**

- 3.1 Content and Signalling Non-Interference.** This section shall not prohibit a Licensed product from incorporating features not intended for removal or interference of content and signalling e.g. zooming, scaling, cropping, picture-in-picture, compression, recompression, image overlays, overlap of windows in a graphical user interface, audio mixing and equalization, video mixing and keying, down sampling, up-sampling, and line doubling, or conversion between widely-used formats for the transport, processing and display of audiovisual signals or data, such as between analogue and digital formats and between PAL and NTSC or RGB and YUV formats, or trick play as well as other features as may be added to the foregoing list from time to time.

For this purpose Licensee should take into consideration specifications from DVB and other accredited standards organizations in the domain of Digital TV and consider any relevant information on the CI Plus Website addressing such non-interference requirements.

- 3.1.1 Watermark Non-Interference.** The Licensed products shall not remove or deliberately interfere with watermarking technologies and shall make reasonable efforts to avoid such

interference. Licensee shall take reasonable measures against marketing of its Licensed products by Licensee or cooperating with third party marketing of Licensed products as being fit for removing watermarks.

- 3.1.2 Content Usage Non-Interference.** The Licensed products shall not remove or deliberately interfere with data carried in the stream intended for the protection of content, services and/or parental access and/or Host Service Shunning and shall make reasonable efforts to avoid such interference. Attention is specifically drawn to the new features enabled in CI Plus Specification Version 1.3, Section 5.10, in which playback control is defined. Licensee shall take reasonable measures against marketing of its Licensed products by Licensee or thirds as being fit for removing such data intended for the protection of content, services and/or parental access.
- 3.2 No Waiver.** Licensee acknowledges that the provisions of this Section 3.0 are not a waiver or license of any copyright interest or an admission of the existence or non-existence of a copyright interest.
- 4.0 SERVICE OPERATOR REQUIREMENTS**
- 4.1 General.** Licensed Products shall comply with any service operator requirements related to protection of content, business cases or regulation when applicable and pass successfully all validation or certification tests as required by a service operator to operate on its network and have all the licenses, authorization and/or certifications to operate the technologies in the CICAM.
- 4.2 Regulations.** Licensed Products shall comply with all national regulations applicable to the local jurisdiction where the device shall be used, for example local policies related to youth protection such as Parental control and PIN-Code management.
- 5.0 CI PLUS SPECIFIC REQUIREMENTS**
- 5.1 Revocation.** The Licensed Module shall implement denial of service (revocation) as per Section 5.5 in the CI Plus Specification Version 1.3.
- 5.2 Undoing Revocation.** The module shall have a means to reverse any previous denial of service (revocation) of a Host, based on the same mechanism to invoke revocation by the Module.
- 5.3 No Unlicensed CI Plus Revocation.** The module shall not implement a mechanism that allows denial of service (revocation) of a Host based on any elements of the Specifications using information that is not authorized for such purpose by the CI Plus LLP: for example revocation lists as defined in the Specifications.
- 5.4 RCT bit signalling.** The Licensed module shall only set the RCT bit based on explicit signalling by the network operator. This implies the module shall not have a default value or be hardwired to set the RCT bit.
- 5.5 ECI bits signalling.** The Licensed module shall only set the ECI bits to 0b0000 and no other value.
- 6.0 CHANGE OF VERSION**



- 6.1** User accessible menus that change the version of a CI Plus Module back to an earlier version of the CI Plus Specification than the version of the CI Plus Specification used for the Registration of that Module are not permitted.
- 6.2** If the Module contains one or more options that change the behaviour of any CI Plus resource to that of a higher version of the CI Plus Specification than the version of the CI Plus Specification used for the Registration of that Module, the Module must be compliant to the applicable specifications for every (combination of) settings of all such options.



**Exhibit F: (Intentionally left blank)**

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**Exhibit G: Robustness Rules Checklist  
Version 1.2**

**Disclaimer**

The Robustness Checklist is intended as an aid to the correct implementation of the Robustness Rules for hardware and software implementations of the Specifications in a Licensed Product. It does not supersede or supplant the Specifications, Compliance Rules, or Robustness Rules. The Company is advised that there are elements of the Specifications, the Robustness Rules and the Compliance Rules that are not reflected here but that must be complied with.

This Robustness Rules checklist is not required to be completed at the same time as the signing of the ILA. It has to be completed at each Device Registration

Failure to comply with the Specifications, Compliance Rules and Robustness Rules could result in a breach of the Agreement and legal action taken by the CI Plus LLP or other parties under the Agreement.

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**1.0 Introduction**

In section 2.0 a check-list for CI Plus robustness is presented. The “CI Plus Robustness Certification Checklist” is basically a questionnaire that is tool for the Host and Module manufacturers to validate the implemented robustness against required robustness. Where questions cannot be answered positively, non-compliance can be expected, which requires the manufacturer to take action. A completed CI Plus Robustness Certification Checklist can be viewed as a self-declaration of compliancy.

A completed CI Plus Robustness Certification Check-list shall be part of the request for the Registration of a new Device Type for a specific brand.

**Important:** This exhibit is an example of the CI Plus Certification Checklist, and is provided for reference only. Do not complete this exhibit when submitting the Interim License Agreement.

**2.0 CI Plus Robustness Certification Checklist**

Date: _____
Manufacturer / Brand: _____
Product Name: _____
Hardware Model or Software Version: _____
Company Name: _____
Company Address: _____
Phone Number: _____
Fax Number: _____
Print Name(s): _____
Signature(s): _____

**2.1 General design and implementation questions**

**Question 1.1:** Have you read the Compliance Rules and the Robustness Rules?

Yes / No (if yes, which version and date)

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**Question 1.2:** Has the Licensed Product been designed and manufactured so there are no switches, buttons, jumpers, or software equivalents of the foregoing, or specific traces that can be cut, by which the content protection technologies, analogue protection systems, output restrictions, recording limitations, or other mandatory provisions of the Specifications or Compliance Rules can be defeated or by which Controlled Content can be exposed to unauthorized copying?

Yes / No

**Question 1.3:** Has the Licensed Product been designed and manufactured so there are no service menus and no functions (such as remote-control functions, switches, check boxes, or other means) that can intercept the flow of Controlled Content or expose it to unauthorized copying?

Yes / No

**Question 1.4:** Has the Licensed Product been designed and manufactured so there are no service menus and no functions (such as remote-control functions, switches, check boxes, or other means) that can turn off any analogue protection systems, output restrictions, recording limitations, or other mandatory provisions of the Specifications or Compliance Rules?

Yes / No

**Question 1.5:** Does the Licensed Product have service menus, service functions, or service utilities that can alter or expose the flow of Controlled Content within the device?

Yes / No

If answered 'Yes', please describe these service menus, service functions, or service utilities and the steps that are being taken to ensure that these service tools will not be used to expose or misdirect Controlled Content.

**Question 1.6:** Does the Licensed Product have service menus, service functions, or service utilities that can turn off any analogue protection systems, output restrictions, recording limitations, or other mandatory provisions of the Specifications, the Compliance Rules, or the Robustness Rules?

Yes / No

If answered 'Yes', please describe these service menus, service functions, or service utilities and the steps that are being taken to ensure that these service tools will not be used to defeat the Compliance Rules and the Robustness Rules.

**Question 1.7:** Does the Licensed Product have any User Accessible Buses (as defined in Section 2.0 of the Robustness Rules)?

Yes / No

If answered 'Yes', are Controlled Content carried on this bus?

Yes / No

If answered 'Yes', then identify and describe the bus, and whether the Controlled Content is compressed or uncompressed. If such Data is present, then explain in detail how and by what means the data is being protected as required by Section 2.0 of the Robustness Rules.

**Question 1.8:** Does the Licensed Product have User Accessible Buses that support Direct Memory Access?

Yes / No

If answered 'Yes', then explain why Controlled Content, Keys and Production Credentials cannot be disclosed, revealed, replaced, or modified using Direct Memory Access.

**Remainder of this page intentionally left blank.**



**Question 1.9:** If the Licensed Product delivers Controlled Content from one part of the product to another, whether among software modules, integrated circuits or otherwise or a combination thereof, explain how the portions of the product that perform authentication and decryption and the MPEG (or similar) decoder have been designed, associated and integrated with each other so that Controlled Content is secure from interception and copying as required in Section 3.0(a) of the Robustness Rules.

**Question 1.10:** To assure correct operation of the Pseudo Random Number Generator (see Annex A of the CI Plus Specification Version 1.3) verify its behaviour by performing the tests specified in the NIST SP 800-22 publication.

Pass / Fail

**Question 1.11:** Describe the method by which the Licensed Product self-checks the integrity of the firmware or hardware components in such manner that modifications will cause failure of authorization or decryption as described in Section 3.0(b)(ii) of the Robustness Rules. Describe what happens when integrity is violated.

**Question 1.12:** Describe the method by which the Licensed Product checks the authenticity and integrity of firmware updates in such manner that unauthorized firmware updates will be rejected.

**Question 1.13:** If applicable, describe the method by which the Licensed Product protects stored Controlled Content for the purpose of PVR or PauseTV.

**Question 1.14:** Describe the method of provisioning Keys and Production Credentials during the production of the Licensed Product. Include any preparation steps.

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**Question 1.15:** (for Hosts only): does the product have any user accessible menus that change the version the Host back to an earlier version of the CI Plus Specification than the version of the CI Plus Specification used for this Registration?

Yes / No

**Question 1.16:** (for Hosts only): does the product contain one or more options that change the behavior of any CI Plus Resource to that of a higher version of the CI Plus Specification than the version of the CI Plus Specification used for the Registration?

Yes / No

If answered Yes: List each Resource that can be changed to a higher version and confirm that the Host is compliant to the applicable specifications for every (combination of) settings of all such options.

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## 2.2 Design and implementation questions

**Question 2.1:** In the Licensed Product, describe the method by which the confidentiality of the Key(s) is protected when stored in firmware and / or hardware.

**Question 2.2:** In the Licensed Product, describe the method by which the authenticity of the Production Credentials is protected when stored in firmware and / or hardware.

**Question 2.3:** In the Licensed Product, describe the method by which the intermediate cryptographic values (e.g., values created during the process of authentication between host and module, or devices within a Licensed Product) are created and held in a protected manner.

**Question 2.4:** In the Licensed CICAM Product, describe the method by which the Certificate Revocation Lists (CRL and CWL) are protected from replacement and change.

**Question 2.5:** In the Licensed Product, describe the method being used to prevent commonly available debugging or decompiling tools (incl. JTAG and I<sup>2</sup>C) from being used to single-step, decompile, or examine the operation of the CI Plus functions implemented in software and/or hardware.

### 2.3 Anti-tampering questions

**Question 3.1:** To assure that integrity self-checking is being performed, perform a test to reassure that the executable will fail to work once a binary editor is used to modify a random byte of the executable image containing CI Plus functions, and describe the method and results of the test.

Pass / Fail

**Question 3.2:** In the Licensed Product, does the removal or replacement of hardware elements or modules that implement CI Plus functions render the Licensed Product unable to receive, decrypt, or decode Controlled Content? For example, a DIP package FLASH memory chip can be easily be removed and replaced by another FLASH memory. The replaced FLASH memory may contain software-code that circumvents the Compliance Rules and Robustness Rules.

Yes / No

If answered 'No', describe the means used to prevent such attempts.

**Question 3.3:** If applicable, specify the tamper resistance properties of security epoxies used by the Licensed Product in order to meet the required level of robustness as defined by the Robustness Rules.

## **Exhibit H: Confidentiality Agreement**

**1.0 Confidential Information.** “Confidential Information” shall mean (i) Highly Confidential Information (as defined below), (ii) any other technology, software development tools, methodologies, processes, algorithms, test data sets and test data cases and related documentation that CI Plus LLP provides to Licensee hereunder in order to facilitate Licensee’s exercise of its rights and performance of its obligations hereunder, and (iii) any other information of CI Plus LLP and information of Licensee, each of which is clearly marked as “Confidential” or a similar expression when disclosed in written or electronic form, or indicated as “Confidential” when disclosed orally and confirmed in writing within thirty (30) calendar days after such disclosure. “Confidential Information” shall not include information which: (a) was in the possession of, or was known by, the receiving party ("Recipient") prior to its receipt from the disclosing party (“Discloser), without an obligation owed to Discloser, or its licensors, to maintain its confidentiality; (b) is or becomes generally known to the public without violation of this Agreement by the “Recipient”; (c) is obtained by Recipient from a third party, without an obligation owed to such third party to keep such information confidential; or (d) is independently developed by Recipient without use of any Confidential Information of the other party.

Recipient agrees that it shall use reasonable care to keep the Confidential Information of the other party strictly confidential and not disclose it to any other person except to its Affiliates and its and their respective employees, contractors, consultants, agents, customers and representatives (other than Members) who have a “need to know” for the purposes of this Agreement and are obligated by Licensee to be bound by the same confidentiality obligation which Recipient is bound by under this Exhibit H, provided however that Recipient may disclose Highly Confidential Information only in accordance with Section 2 of this Exhibit H. Recipient shall be responsible for any breach of such confidentiality obligation by such parties, including former employees, Affiliates, contractors, consultants, agents, customers (other than Members) and representatives. Recipient shall protect the Confidential Information of the other party with the same degree of care as it normally uses in the protection of its own similar confidential and proprietary information, but in no case with any less than reasonable care.

Notwithstanding anything in this Exhibit H to the contrary, Confidential Information may be disclosed by Recipient pursuant to the order or requirements of a court or governmental administrative agency or other governmental body of competent jurisdiction, provided that (x) Discloser has been notified of such a disclosure request immediately after Recipient knows such order or requirements in order to afford Discloser reasonable opportunity to obtain a protective order or otherwise prevent or limit the scope of such disclosure to the extent permitted by law and (y) Recipient cooperates in good faith with such efforts by Discloser.

The obligations under this Exhibit H shall terminate three years after the date of the last shipment of product using the Licensed Technology by Licensee or any other licensee of the Licensed Technology; provided that Sections 2.0(b), 2.0(c), and 3.0 in this Exhibit H shall cease to apply when the Recipient has returned all tangible embodiments of Licensed Technology in its possession to the Discloser.

**2.0 Highly Confidential Information.** “Highly Confidential Information” shall mean Keys, Production Credentials and any other material delivered to Licensee by CI Plus LLP which is so designated.

Licensee shall implement and maintain security measures for Highly Confidential

Information that are in accordance with commercial practices for similar information. Such measures to include, at a minimum, the following:

- (a) Licensee shall transmit the Highly Confidential Information only to its employees, subcontractors and Have Made parties who need to know Highly Confidential Information, who are informed of the confidential nature of Highly Confidential Information, and, who have agreed in writing to abide by the terms and conditions at least as protective as this Exhibit H. Licensee shall identify (by title) individuals with access to Highly Confidential Information to CI Plus LLP upon request;
- (b) Licensee shall maintain a secure location at each of its premises where Highly Confidential Information is needed, which must be identified to CI Plus LLP upon request, in which any and all Highly Confidential Information shall be stored. Such secure locations shall be accessible only by authorized employees who shall be required to sign in and out each time such employees visit such secure location. When Highly Confidential Information is not in use, such information shall be stored in a locked safe or in encrypted form at such secure locations;
- (c) Licensee shall maintain a security log of periodic tests of security, shipments of Highly Confidential Information from one secure location to another (if applicable), and breaches of security at all secure locations. Licensee shall reasonably cooperate with CI Plus LLP and its employees and agents to maintain the security of Highly Confidential Information, including by promptly reporting to CI Plus LLP any thefts or Highly Confidential Information missing from Licensee's possession; and
- (d) Licensee shall notify CI Plus LLP immediately upon discovery of any unauthorized use or disclosure of Highly Confidential Information, and will cooperate with CI Plus LLP to seek to regain possession of the Highly Confidential Information disclosed and to prevent its further unauthorized use or disclosure.

**3.0 Security Audit.** CI Plus LLP (or the third party auditors identified hereunder) shall have the right to review, upon thirty (30) Business Days' notice (or earlier if CI Plus LLP has a good faith belief that the Highly Confidential Information has been, or will be, compromised in any manner) the implementation of all security measures at the secure location(s) required hereunder for the Highly Confidential Information no more frequently than once per year (unless CI Plus LLP has a good faith belief that the Highly Confidential Information has been, or will be, compromised in any manner) at reasonable times as agreed between Licensee and CI Plus LLP. Such audit shall be subject to the confidentiality provisions of Section 1.0 or otherwise reasonably designated by Licensee. CI Plus LLP and Licensee hereby consent to use a third-party auditor mutually agreed by Licensee and CI Plus LLP. CI Plus LLP shall cause such third-party auditor to be bound by the same confidentiality obligation which Recipient is bound by under this Exhibit H and shall be responsible for such third-party auditor's breach of such confidentiality obligation. In the event that such third-party auditor finds Material Breach of this Agreement by Licensee, CI Plus LLP shall have such auditor limit its report to CI Plus LLP only the facts directly relevant to such breach that are necessary to enforce this Agreement. In the event that such third-party auditor finds no Material Breach of this Agreement with respect to Licensee's handling and safeguarding of the Highly Confidential Information, CI Plus LLP shall have such auditor limit its report to CI Plus LLP solely to such finding. Such reported information shall be deemed Licensee's Highly Confidential Information.



**Exhibit I: Fee Schedule**

**1.0 License Fee.**

For Host: €12,000

For Module: €12,000

For Licensed Component only: free of charge

**2.0 Registration Fees.**

Fees for Registration of Device Type: €4,000

**3.0 Keys and Device Digital Certificates.**

Fees for Keys and Device Digital Certificates: Detailed Below

<b>Item</b>	<b>Total Cost to Licensee</b>	
Cost for batch of 10,000 sets of Key and Device Digital Certificate for the CI Plus Root of Trust, based on annual cumulative certificate volumes, starting from first of January each year.	1 ~ 50 batches batch	€380 / 10k
	51 ~ 100 batches batch	€360 / 10k
	> 100 batches batch	€320 / 10k

All fees exclude Taxes. See Section 8.3 of this Agreement.

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## **Exhibit J: Registration Procedure.**

### **1.0 Normal Registration.**

- (1) Having completed an agreement with a Test Partner, Licensee may submit a Device and a completed checklist for such Device attached as Exhibit G of this Agreement ("Robustness Checklist") to a Test Partner as a new Device Type for testing.
- (2) Licensee shall ensure that such Test Partner examines Robustness Checklist and such submitted Device in accordance with document titled CI Plus Test Specification, and upon successful examination, issue Device Testing Results to Licensee.
- (3) After such successful examination, Licensee applies for Registration of Device Type of such Device to CI Plus LLP, attaching Device Testing Results and Robustness Checklist.
- (4) CI Plus LLP shall notify Licensee of the results of confirmation by CI Plus LLP within ten (10) Business Days, which may have status (i) Registered, or (ii) not accepted. CI Plus LLP shall Register only if such Device satisfies each criteria in Section 3.0 of this Exhibit J. In case of failure to respond within ten (10) Business Days after such application, such Device Type shall be deemed to be Registered.
- (5) In case of receipt of notification of (4)(ii) above, Licensee may apply to CI Plus LLP for Registration after Licensee takes necessary actions to remedy failures to satisfy such criteria.

### **Host Self-Test Registration**

- (1) After Licensee has confirmed that a Host of new Device Type satisfies all of Specifications, Compliance Rules and Robustness Rules, Licensee shall submit to CI Plus LLP a self-test report and Robustness Checklist.
- (2) CI Plus LLP shall notify Licensee of the results of confirmation by CI Plus LLP within ten (10) Business Days, which may have status (i) Registered, or (ii) not accepted. CI Plus LLP shall Register only if such Host satisfies each criteria in Section 3.0 of this Exhibit J. In case of failure to respond within ten (10) Business Days, it may be deemed that Device Type has been Registered.
- (3) In case of receipt of notification of (2)(ii) above, Licensee may apply to CI Plus LLP for Registration after Licensee takes necessary actions to remedy failures to satisfy such criteria.

**2.0 Registration Criteria.** (1) The submitted Device Testing Results or self-test result is proved to be authentic, (2) the submitted Robustness Checklist is proved to be authentic, (3) Licensee has paid Annual Fee, and (4) Licensee has paid Registration Fee.

**3.0 Registration Fee Payment.** In case of application for Registration under Section 1.0 and 2.0 of this Exhibit J an appropriate fee as defined in Exhibit I must be submitted with the registration documents.

**Remainder of this page intentionally left blank.**

**Exhibit K: Change Procedure.**

- 1.0** CI Plus Change Control Notices shall be published on the CI Plus LLP website and will be notified by email to a nominated employee/s (maximum 3) of Licensee who shall be registered at the CI Plus LLP for such purpose.
  
- 2.0** Each CI Plus Change Control Notice shall have following information:
  - (a) Unique Identifier;
  - (b) Date of notice;
  - (c) Description of the change and documentation affected; and
  - (d) The Publication Date and the Effective Date.

**Remainder of this page intentionally left blank.**

## **Exhibit L: Procedure for De-Registration and/or Revocation**

### **1.0 De-Registration and/or Revocation invoked by CI Plus LLP**

In the event that CI Plus LLP has decided, according to Section 15.3.1 of the Agreement, to proceed with De-Registration of a Registered Device and/or Revocation of a Host Certificate, CI Plus LLP shall provide the Named Licensee who has, or whose Affiliate has Registered the Device Type with a notice of intended De-Registration and/or Revocation ("Notice"). Named Licensee shall respond CI Plus LLP in writing within ten (10) Business days after the date of notice given under Section 1.0 of this Exhibit L:

- 1.1 No Response.** If Named Licensee shall have failed to respond to CI Plus LLP, the De-Registration and/or Revocation shall be deemed to be without objection and may proceed.
- 1.2 Consent.** If Named Licensee notifies CI Plus LLP that Named Licensee consents to such De-Registration of a Registered Device and/or Revocation of any Host Certificate issued to it hereunder, the De-Registration and/or Revocation shall be deemed to be without objection and may proceed
- 1.3 Cure.** If Named Licensee notifies CI Plus LLP of its intent to cure the indicated breach, CI Plus LLP will provide Named Licensee with a reasonable opportunity to cure the breach (where such breach is capable of being cured) within twenty (20) Business Days, or a longer period at the discretion of CI Plus LLP, following the date of the Notice. Upon cure of such breach, Named Licensee shall submit a Host to a Test Partner for certification and upon successful testing, CI Plus LLP will not proceed with the De-Registration and/or Revocation. If the breach is not cured, CI Plus LLP may proceed with De-registration of the applicable Registered Device and/or Revocation of the applicable Registered Device.
- 1.4 Objection.** If Named Licensee notifies CI Plus LLP of its intent to object to the intended De-Registration and/or Revocation, Named Licensee shall submit a sworn affidavit (the "Licensee Affidavit") which sets out any facts which disprove or contradict CI Plus LLP's stated grounds for De-Registration and/or Revocation ("Objection"), no later than fifteen (15) Business Days after the date of Notice from CI Plus LLP.
  - 1.4.1** If a Licensee Affidavit is not received by CI Plus LLP within the period as stated above, the De-Registration and/or Revocation shall be deemed to be without objection and may proceed
  - 1.4.2** If CI Plus LLP accepts the Objection there will be no further action.
  - 1.4.3** If CI Plus LLP does not accept the Objection, it shall respond to Named Licensee with a notice to proceed with De-Registration and/or Revocation. Within five (5) Business Days after receipt from CI Plus LLP of such notice to proceed with De-Registration and/or Revocation, Named Licensee shall respond to CI Plus LLP:
    - 1.4.3.1** Acceptance: CI Plus LLP may then proceed with De-Registration and/or Revocation
    - 1.4.3.2** No response: CI Plus LLP may then proceed with De-Registration and/or Revocation
    - 1.4.3.3** Arbitration. Named Licensee informs CI Plus LLP that Named Licensee requires an arbitration in accordance with the provisions of Section 5 of this Exhibit L to determine whether the requested to proceed with De-Registration and/or Revocation is warranted. CI Plus LLP will then commence the arbitration. Should CI Plus LLP fail to commence arbitration within 28 days then Named Licensee may do so.

## **2.0 Rescission of De-Registration and/or Revocation**

After De-Registration or Revocation of a Device Type according section 15.3.1 of this Agreement and this Exhibit L, Named Licensee may request rescission of such De-Registration and/or Revocation by submitting a Host to a Test Partner and submitting a positive test result to CI Plus LLP.

Rescission shall be at the sole discretion of CI Plus LLP, however such request will not be unreasonably be withheld.

## **3.0 Request Revocation by Licensee**

**3.1 Request.** Named Licensee may seek Revocation by providing proof in a Licensee Affidavit of any of the facts relating to any particular Host Certificate and/or associated Key issued to Licensee hereunder that would warrant Revocation of such certificate of the Registered Device that satisfy one or more of the Criteria of section 15.3.2.1

**3.2 Indemnification.** If Named Licensee has sought Revocation, it shall indemnify and hold harmless and, at CI Plus LLP's option, defend CI Plus LLP, the Members, any Operator or Content Provider that has executed CI Plus Content Distributor Agreement and carries the information for invalidating Host Certificate applicable to such Revocation and each of their officers, directors, equivalent corporate officials, employees, representatives and agents ("Indemnified Parties") from and against any and all (i) claims, actions, suits, proceedings or litigation and any losses, deficiencies, damages, liabilities, costs and expenses associated therewith, including but not limited to reasonable legal fees and expenses, arising out of the Revocation or rescission of Revocation of any Host Certificate for which Named Licensee had sought Revocation and (ii) other costs or expenses incurred by CI Plus LLP and/or such Operator or Content Provider in connection with such Revocation or rescission of Revocation, including but not limited to any costs and expenses associated with the generation and distribution of information necessary to effect such Revocation or rescission of Revocation and any amounts paid by CI Plus LLP to Licensee (or to Licensee's affected customers) or any other party on account of such Revocation or rescission of Revocation. CI Plus LLP may require a bond or security reasonably anticipated for such costs

**4.0** De-Registration and/or Revocation of any specific Registered Device shall not affect any other Registered Devices, but Self Certification status of Licensee may be reset according section 5.2 of this Agreement.

## **5.0 Arbitration Procedures.**

**5.1** Any dispute arising out of or in connection with the De-Registration and/or Revocation procedure set out in Section 1 of this Exhibit L pursuant to Section 15.3.1 of the Agreement (a "Revocation Dispute"), shall be referred to and finally resolved by arbitration under the LCIA Arbitration Rules effective 1 October 2014, as amended by this clause.

**5.2** The parties agree that any Revocation Disputes should be resolved on an expedited basis and will cooperate with each other, the LCIA and the Tribunal in order to achieve a resolution as expeditiously as possible.

**5.3** There shall be one arbitrator, the seat of arbitration shall be London, England and the language to be used in the arbitral proceedings shall be English.

- 5.4** The governing law of the contract shall be the substantive law of England and Wales.
- 5.5** The LCIA Arbitration Rules effective 1 October 2014 shall be amended as follows (references to “Articles” are to Articles in those LCIA Rules):
- 5.5.1** In Article 1.1 the Request shall stand as the Claimant’s Statement of Case and as such it shall set out in sufficient detail the relevant facts (including all written witness and expert evidence) and legal submissions on which it relies, together with the relief claimed against all other parties, and be accompanied by all essential documents. Articles 15.2 and 20 shall be amended accordingly.
  - 5.5.2** In Article 2.1
    - (a)** the reference to “28 days” shall be replaced by “14 days” and
    - (b)** the Response shall stand as the Respondent’s Statement of Defence and (if applicable) Cross-claim complying with Article 15.3 and as such it shall set out in sufficient detail the relevant facts (including all written witness and expert evidence) and legal submissions on which it relies, together with the relief claimed against all other parties, and be accompanied by all essential documents. Articles 15.3 and 20 shall be amended accordingly.
  - 5.5.3** In Article 5.6
    - (a)** the references to “Response” shall be replaced by “Request” and
    - (b)** the reference to “after 35 days” shall be replaced by “as soon as practicable and no later than 28 days”.
  - 5.5.4** In Articles 10.3, 10.5 and 11.2 the references to “14 days” shall be replaced by “7 days”.
  - 5.5.5** In Article 14.1 the reference to “21 days” shall be replaced by “14 days”
  - 5.5.6** In Article 15.4 the reference to “28 days” shall be replaced by “14 days”
  - 5.5.7** In Article 15.5 the reference to “28 days” shall be replaced by “7 days”
- 5.6** Unless otherwise agreed by the parties and subject to the discretion of the Tribunal, the parties agree to a documents-only arbitration and Article 19.1 shall be amended accordingly.
- 5.7** The parties request that the Tribunal use its best endeavours to render the Award within 28 days from the last day of the hearing or, if no hearing is to be held, from the date when the last party’s pleadings have been served.
- 5.8** The parties expressly reserve the right to appeal the Award in the courts of England and Wales in accordance with the Arbitration Act 1996 and article 26.8 shall be amended accordingly.
- 6.0** At Exhibit M is an informative Flow Chart describing the Arbitration Process set out at clause 5 of this Exhibit L. In the event of any discrepancy between Exhibit M and clause 5 of this Exhibit L, clause 5 of exhibit L shall take precedence.

**Remainder of this page intentionally left blank.**

**Exhibit M: Informative Flow Chart describing Arbitration Process**

This has been prepared as a guide and reference should be made to the specific provisions of clause 5 of the [Agreement] and also to the LCIA Arbitration Rules effective 1 October 2014. References to Articles below are to Articles in the LCIA Arbitration Rules effective 1 October 2014, as amended by the [Agreement].

The parties agree that they would like the timeline below to be followed, but it is subject to the approval of the LCIA.

