

Mobile Broadcast Addendum to
CMLA Client Adopter Agreement

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CMLA Founders - Contact Information
CMLA-Services@cm-la.com

Mobile Broadcast Addendum to CMLA Client Adopter Agreement

RECITALS

WHEREAS Client Adopter wishes to offer mobile broadcast content using the CMLA trust model; and

WHEREAS CMLA is willing to grant such rights subject to the Client Adopter's CMLA Client Adopter Agreement and the additional rights and obligations contained in this CMLA Mobile Broadcast Addendum to CMLA Client Adopter Agreement,

NOW, THEREFORE, CMLA, Founders and Client Adopter hereby agree that for Mobile Broadcast Products developed and distributed by Client Adopter, this Mobile Broadcast Addendum to CMLA Client Adopter Agreement shall supersede and modify Client Adopter's CMLA Client Adopter Agreement. For the purposes of clarity, for CMLA Products Client Adopter shall be required to meet the provisions of its CMLA Client Adopter Agreement notwithstanding its election of this Mobile Broadcast Addendum.

Part 1. The following definitions shall be added to Section 1 of the Client Adopter Agreement:

- (i) "Mobile Broadcast Specifications" shall mean either:
 - a. the 18Crypt Profile specified in ETSI TS 102 474 V1.1.1: Digital Video Broadcasting (DVB); IP Datacast over DVB-H: Service Purchase and Protection, European Telecommunications Standards Institute, <http://www.etsi.org>;
 - b. the international standard IEC 62455: Internet protocol (IP) and transport stream (TS) based service access, International Electrotechnical Commission, <http://www.iec.ch>; or
 - c. the DRM Profile specified in the OMA BCAST specifications OMA-TS-BCAST_SvcCntProtection-V1_0: Service and Content Protection for Mobile Broadcast Services and OMA-TS-DRM_XBS-V1_0: OMA DRM v2.0 Extensions for Broadcast Support.
- (ii) "Mobile Broadcast Addendum" shall mean this Addendum
- (iii) "Mobile Broadcast Licensed Component" shall mean those portions of a component, such as an integrated circuit, circuit board, or software module that (i) are manufactured and distributed under a CMLA Technology License Agreement, (ii) are designed solely to be assembled into a Mobile Broadcast Licensed Product and which is assembled into a Mobile Broadcast Licensed Product, and (iii) embody a portion of the CMLA Technical Specification, but which by itself may not be Compliant.
- (iv) "Mobile Broadcast Licensed Product" shall mean those portions of a device or hardware or software product manufactured or distributed under license from CMLA that implement the mandatory portions of the CMLA Technical Specification and that are designed solely to be integrated into a Participating

Mobile Broadcast Product Implementation and which are integrated into a Participating Mobile Broadcast Product Implementation.

- (v) “Mobile Broadcast Licensed Service” shall mean those portions of a service performed and distributed under license from CMLA that implement the mandatory portions of the CMLA Technical Specification and that are designed solely to be integrated into a Mobile Broadcast Participating Rights Issuer Implementation and which are integrated into a Mobile Broadcast Participating Rights Issuer Implementation.
- (vi) “Mobile Broadcast Service Element” shall mean those portions of a component such as a software module, that are (i) manufactured, and distributed under a CMLA Technology License Agreement (ii) are designed solely to be integrated and which is integrated into a Mobile Broadcast Licensed Service, and (iii) embody a portion of the CMLA Technical Specification, but which by itself may not be Compliant.
- (vii) “Participating Mobile Broadcast Product Implementation” means those portions of a product that implement the OMA DRM Specifications and the Mobile Broadcast Specifications, are Compliant and incorporate a Mobile Broadcast Licensed Product.
- (viii) “Participating Mobile Broadcast Rights Issuer Implementation” means those portions of a Rights Issuer facility that implement the OMA DRM Specifications and the Mobile Broadcast Specifications, are Compliant and incorporate a Mobile Broadcast Licensed Service.
- (ix) “Mobile Broadcast Rights Issuer” shall have the same meaning as defined in the OMA DRM Specifications and Mobile Broadcast Specifications. (does not include broadcaster w/o interactive channel)
- (x) “Mobile Broadcast Rights Object” shall have the same meaning as defined in the OMA DRM Specifications and Mobile Broadcast Specifications.
- (xi) “Mobile Broadcast Service Provider” shall mean a Service Provider which has executed the Mobile Broadcast Addendum to the CMLA Service Provider Agreement.
- (xii) “Mobile Broadcast Service Provider Certification” shall mean the form certification set forth as Exhibit Z to this Addendum and set forth on the CMLA website.
- (xiii) “BCRO” (Broadcast Rights Object) shall have the same meaning as defined in Mobile Broadcast Specifications.
- (xiv) “18Crypt Specification” shall mean the 18Crypt Service Purchase and Protection Specification, i.e. the 18Crypt Profile specified in ETSI TS 102 474.
- (xv) “Mobile Products” shall mean Participating Mobile Broadcast Product Implementations, Participating Mobile Broadcast Rights Issuer Implementations, Mobile Broadcast Licensed Products, Mobile Broadcast Licensed Components, Mobile Broadcast Licensed Services, and Mobile Broadcast Service Elements.

- (xvi) “CMLA Products” shall mean Participating Product Implementations, Participating Rights Issuer Implementations, Licensed Products, Licensed Services, Licensed Components and Licensed Service Elements.

Part 2. The following clauses in Section 1 of the Client Adopter Agreement shall be amended as follows:

- (i) Clause 1.13 “Compliance Rules” shall be deleted in its entirety and replaced with the following:

“Compliance Rules” means the technical requirements set out in Exhibit A hereto, which are applicable to a Participating Product Implementation and a Licensed Products and the technical requirements set out in Exhibit X hereto, which are applicable to Participating Mobile Broadcast Product Implementation and Mobile Broadcast Licensed Product.

- (ii) Clause 1.14 “Compliant” shall be deleted in its entirety and replaced with the following:

“Compliant” means, as applicable, (i) for a Client Adopter, that which (a) implements the mandatory portions of the CMLA Technical Specification, (b) complies with the Compliance Rules set forth in Exhibit A to the Client Adopter Agreement; and, (c) complies with the Robustness Rules set forth in Exhibit B to the Client Adopter Agreement; (ii) for a Service Provider, which (a) implements the mandatory portions of the CMLA Technical Specification; (b) complies with the Compliance Rules set forth in Exhibit A to the Service Provider Agreement; and, (c) complies with the Robustness Rules, set forth in Exhibit B, to the Service Provider Agreement; (iii) for a Mobile Broadcast Service Provider, which (a) complies with (ii) above, and the CMLA Mobile Broadcast chapter of the CMLA Technical Specifications, and; (b) complies with Mobile Broadcast Compliance Rules set forth in Exhibit A and Appendix X to the Mobile Broadcast Addendum to the Service Provider Agreement; and (c) complies with Mobile Broadcast Robustness Rules set forth in Exhibit B to the Mobile Broadcast Service Provider Agreement; (iv) for a Mobile Broadcast Client Adopter, that which (a) complies with (i) above and the CMLA Mobile Broadcast chapter of the CMLA Technical Specifications; and (c) complies with the Mobile Broadcast Compliance Rules set forth herein and Appendix X to the Mobile Broadcast Addendum to the Client Adopter Agreement; (d) complies with the Robustness Rules set forth in Exhibit B as modified herein to the Mobile Broadcast Addendum to the Client Adopter Agreement.

- (iii) Clause 1.35 shall be deleted in its entirety and replaced with the following:

“Necessary Claims” means those claims of patents or patent applications, under which, CMLA, any Founder or any CMLA Technology Licensee, or an Affiliate owns, controls or otherwise has the right, at any time during the term of this Agreement, to grant licenses within the bounds of the scope of use set forth in Section 2.2 of this Agreement that are necessarily infringed by those portions of Licensed Products, Licensed Components, Licensed Service, Licensed Service Element, Mobile Broadcast Licensed Products, Mobile Broadcast Licensed Components, Mobile Broadcast Licensed Service or Mobile Broadcast Licensed Service Element which implement the mandatory portions of CMLA Technical

Specification. Notwithstanding anything else in this Agreement, "Necessary Claims" shall not include (1) any claims relating to aspects of any technology, codec, standard or product not disclosed with particularity in the CMLA Technical Specification even though such technology, codec, standard or product may be mentioned in the CMLA Technical Specification or or required by the Compliance or Robustness Rules; (2) claims relating to implementation of the OMA DRM Specification, version 1.0, 2.0 and subsequent versions, if any, (even though such OMA DRM Specifications, version 1.0, 2.0 and subsequent versions, if any, may be mentioned or required by the CMLA Technical Specification); (3) claims relating to the implementation of the Mobile Broadcast Specifications and subsequent versions thereof, if any, (even though such Mobile Broadcast Specifications and subsequent versions, if any, may be mentioned or required by the CMLA Technical Specification); (4) claims relating to a standard or standards developed, administered, or offered, by an industry group consisting of two or more legal entities or promulgated by official standardization agencies or bodies; (5) other copy protection, compression, encoding or decoding ability or tamper resistance technology (even though such technology, standard or product may otherwise be mentioned or required by the CMLA Technical Specification); (6) claims which could be practiced in an implementation of a Mobile Broadcast Licensed Product, Mobile Broadcast Licensed Component, Mobile Broadcast Licensed Service, Mobile Broadcast Service Element, Licensed Product, Licensed Component, Licensed Service or Licensed Service Element in compliance with the CMLA Technical Specification where an alternative implementation exists that would not infringe such claim(s) (even if in the same patent as Necessary Claims); (7) claims that read solely on any implementations of any portion of the CMLA Technical Specification that are not within the bounds of the scope of use set forth in Section 2.2 or the equivalent section of the relevant CMLA Technology License Agreement(s); (8) claims related to data embedding, content formats and content downloading and delivery (other than as described with particularity in the CMLA Technical Specification); (9) claims which, if licensed, would require a payment of royalties or other consideration by the licensor to unaffiliated third parties; (10) claims relating to watermarking or waterscrambling technology, semiconductor and semiconductor manufacturing technology, compiler technology, programming languages and object-oriented technology, operating system, middleware and database technology, networking, intranet, extranet, Internet technology, telecommunications network technology (for example any technology relating to equipment, handsets, signal transmission) access control system technology, card access management technology, electronic payment technology, conditional access for television technology, television e-commerce access technology, broadcast stream access technology; (11) claims related to key management technology for use in encryption or signature applications, encryption technology or electronic signature technology, except as may be necessary or required for the use, development, manufacturing, implementation, sale (offer for sale), license and distribution of CMLA keys, self-generated CMLA keys, any aspect of CMLA technology, including, but not limited to key management software for use in encryption or signature applications licensed to CMLA by third parties, the CMLA Technical Specification, Mobile Broadcast Licensed Product, Mobile Broadcast Licensed Component, Mobile Broadcast Licensed Service, Mobile Broadcast Service Element, Licensed Products, Licensed Services, Licensed Components or Licensed Service Elements; or (12) claims related to applications, application programming interfaces and user interfaces, including the technology used to generate, display or interact with a use.

- (iv) Clause 1.46 shall be deleted in its entirety and replaced with the following:

“Robustness Rules” means the requirements set out in Exhibit B and Appendix X hereto.

Part 3. Section 2 shall be amended as follows:

- (i) Section 2.1 (a) – (d) shall each be amended to include reference to Mobile Broadcast Licensed Product and Mobile Broadcast Licensed Components. With respect to Mobile Broadcast Licensed Components the same license restrictions that apply to Licensed Components continue to apply.
- (ii) Section 2.2 shall be amended to include reference to Mobile Broadcast Licensed Product and Mobile Broadcast Licensed Component.
- (iii) Section 2.4 shall be amended to include reference to Mobile Broadcast Participating Rights Issuer Implementation, Mobile Broadcast Licensed Service, Mobile Broadcast Licensed Service Element, Participating Mobile Broadcast Product Implementation, Mobile Broadcast Licensed Product or Mobile Broadcast Licensed Component.
- (iv) Section 2.5 (a) and (c) shall be amended to include reference to Mobile Broadcast Participating Rights Issuer Implementation, Mobile Broadcast Licensed Service, Mobile Broadcast Licensed Service Element, Participating Mobile Broadcast Product Implementation, Mobile Broadcast Licensed Product or Mobile Broadcast Licensed Component

Part 4. Section 3 shall be amended as follows:

- (i) Section 3.5 shall be amended to include reference to Mobile Broadcast Specifications.

Part 5. Section 8 shall be amended as follows:

- (i) Section 8.2 shall be amended to include reference to Participating Mobile Broadcast Rights Issuer Implementation, Mobile Broadcast Licensed Service, Mobile Broadcast Licensed Service Element, Participating Mobile Broadcast Product Implementation, Mobile Broadcast Licensed Product or Mobile Broadcast Licensed Component.
- (ii) Section 8.3 shall be amended to include reference to Participating Mobile Broadcast Rights Issuer Implementation, Mobile Broadcast Licensed Service, Mobile Broadcast Licensed Service Element, Participating Mobile Broadcast Product Implementation, Mobile Broadcast Licensed Product or Mobile Broadcast Licensed Component.
- (iii) Section 8.4.2 shall be amended to include reference to Participating Mobile Broadcast Rights Issuer Implementation, Mobile Broadcast Licensed Service, Mobile Broadcast Licensed Service Element, Participating Mobile Broadcast Product Implementation, Mobile Broadcast Licensed Product or Mobile Broadcast Licensed Component.
- (iv) Section 8.4.3 shall be amended to include reference to Participating Mobile Broadcast Rights Issuer Implementation, Mobile Broadcast Licensed Service, Mobile Broadcast Licensed Service Element, Participating Mobile Broadcast Product

Implementation, Mobile Broadcast Licensed Product or Mobile Broadcast Licensed Component.

- (v) Section 8.4.4 (1) shall be amended to include reference to Participating Mobile Broadcast Rights Issuer Implementation, Mobile Broadcast Licensed Service, Mobile Broadcast Licensed Service Element, Participating Mobile Broadcast Product Implementation, Mobile Broadcast Licensed Product or Mobile Broadcast Licensed Component.
- (vi) Section 8.5.1 and Section 8.5.1 (i) shall be amended to include reference to Participating Mobile Broadcast Rights Issuer Implementation, Mobile Broadcast Licensed Service, Mobile Broadcast Licensed Service Element, Participating Mobile Broadcast Product Implementation, Mobile Broadcast Licensed Product or Mobile Broadcast Licensed Component.
- (vii) Section 8.5.2 (a) and Section 8.5.2(b) shall be amended to include reference to Participating Mobile Broadcast Rights Issuer Implementation.

Part 6. Exhibit A, Part 1 Section 1 shall be amended as follows:

- (i) Section 1.3 “or Mobile Broadcast Specifications” shall be added to the end of the paragraph.
- (ii) Section 1.8 shall be amended to include keys listed in Appendix X as requiring confidentiality and / or integrity protection.
- (ii) Section 1.12 shall be amended to include a Participating Mobile Broadcast Product Implementation.

Part 7, Exhibit A, Part 2 shall be amended as follows:

- (i) Part 2, Section 1.1 shall be amended to include reference to Participating Mobile Broadcast Product Implementations.
- (ii) Part 2, Section 1.3 shall be added as follows: “Notwithstanding anything else in this Agreement, Mobile Products shall be required to comply with these Compliance and Robustness Rules and the CMLA Technical Specification, including specifically but not limited to the CMLA Mobile Broadcast chapter (and any updates thereto), as applicable.”
- (iii) Part 2, Section 2 shall be amended to include reference to Participating Mobile Broadcast Product Implementations.
- (iv) Part 2, Section 2.2 shall be amended to include reference to Mobile Specifications.
- (v) Part 2, Section 2.5 shall be added as follows: “In Participating Mobile Broadcast Product Implementations, implementing Part 1 (i)c, where the Service Provider has set the Protection_after_Reception value to three (3) in the Short Term Key Message thereby indicating that no content protection is required.”
- (vi) Part 2, Section 2.6 shall be added as follows: "Where the Service Provider has set the permissions_category value in the Key Stream Message or Short Term Key Message to 0xFF, thereby indicating that no content protection is required."

- (vii) Part 2, Section 3 shall be amended to include reference to Participating Mobile Broadcast Product Implementations.
- (viii) Part 2, Section 3.1 shall be amended to include reference to Mobile Specifications.
- (ix) Part 2, Section 3.5 shall be added as follows: “In Participating Mobile Broadcast Product Implementations implementing Part 1 (i)c, where the Service Provider has set the Protection_after_Reception value to three (3) in the Short Term Key Message, thereby indicating that no content protection is required.”
- (x) Part 2, Section 3.6 shall be added as follows: "Where the Service Provider has set the permissions_category value in the Key Stream Message or Short Term Key Message to 0xFF, thereby indicating that no content protection is required."
- (xi) Part 2, Section 4 shall be amended to include reference to Participating Mobile Broadcast Product Implementations.
- (xii) Part 2, Table Y2 shall be amended to include as follows:

Plaintext OMNA identifier: “urn:oma:drms:org-cmla:plaintext”	None; Both a Participating Product Implementation and a Participating Mobile Broadcast Product Implementation are allowed to export the content in plaintext, without any content protection.
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Part 8. Exhibit B Robustness Rules shall be amended as follows:

- (i) Section 1.1 shall be amended to include Participating Mobile Broadcast Product Implementations and reference to Mobile Broadcast Specifications.
- (ii) Section 1.2 shall be amended to include Participating Mobile Broadcast Product Implementations and reference to Mobile Broadcast Specifications in Section 1.2 (c).
- (iii) Section 1.3 shall be amended to include Participating Mobile Broadcast Product Implementations.
- (iv) Section 1.4 shall be amended to include Participating Mobile Broadcast Product Implementations and reference to Mobile Broadcast Specifications.
- (v) Section 2 shall be amended to include Participating Mobile Broadcast Product Implementations and reference to Mobile Broadcast Specifications.
- (vi) Section 2.1 (b) shall be amended to include reference to Participating Mobile Broadcast Product Implementations and Mobile Licensed Products.
- (vii) Section 3 and Section 3.1 shall be amended to include reference to Participating Mobile Broadcast Product Implementations.
- (viii) Section 3.2 shall be amended to include reference to Participating Mobile Broadcast Product Implementation and Mobile Broadcast Specifications.
- (ix) Section 3.3 shall be amended to include reference to Participating Mobile Broadcast Product Implementation and Mobile Broadcast Specifications.

- (x) Section 3.3.2 shall be amended to include Participating Mobile Broadcast Product Implementation and Mobile Broadcast Specifications.
- (xi) Section 3.4 shall be amended to include Participating Mobile Broadcast Product Implementations.
- (xii) Section 3.5 shall be amended to include Participating Mobile Broadcast Product Implementations.
- (xiii) Section 3.5.1 shall be amended to include Participating Mobile Broadcast Product Implementations.
- (xiv) Section 3.7 shall be amended to include Participating Mobile Broadcast Product Implementations and Mobile Broadcast Specifications.
- (xv) Section 4. 1 and Section 3.2 shall be amended to include Participating Mobile Broadcast Product Implementations.

Part 9. Appendix X: Confidentiality & Integrity Tables shall be deleted in its entirety and replaced with the following:

Appendix X – Confidentiality and Integrity Tables

The tables in this appendix enumerate the cryptographic and other values that must be provided with specific protections (confidentiality and/or integrity) within Participating Mobile Broadcast Product Implementations. If a value is inherently confidentiality/integrity protected (such as certificates), then there would be no additional confidentiality/integrity protection to be provided by implementations. For all other values, the implementations must provide the type of protection as listed in these tables.

Value	Confidentiality Required?	Integrity Required ?	Consideration (Informative)
<i>Device Private Key (DRM Agent Private Key)</i>	Yes	Yes	Device Private Key (DRM Agent Private Key) is issued by CMLA and is implemented securely into a Device at its manufacturing time. Device must keep its confidentiality and integrity at all times.
<i>Device Certificate (Chain) (DRM Agent Certificate (Chain))</i>	No	No	Device certificate (DRM Agent Certificate) is issued by CMLA and is implemented into a Device at its manufacturing time.
<i>Device Details</i>	No	Yes	Device Details are manufacturer, model, and version information implemented in a Device at its manufacturing time. They are sent to RI in Device Registration Request within 4-pass Registration protocol. Device must keep its integrity at all times.
<i>Trusted RI Authorities Certificate</i>	No	Yes	Trusted RI Authorities Certificate (a.k.a. CMLA Root CA Certificate as defined in the CMLA Technical Specification) is issued by CMLA and is implemented into a Device at its manufacturing time. Device must keep its integrity at least until its expiry time.

<i>Domain Context</i>	-	-	RI sends Domain Context to a Device during 2-pass Join Domain Protocol. Device should keep this information at least until it leaves the domain. Device must keep confidentiality and integrity of the component information for the Domain.
<i>Domain ID</i>	No	Yes	Domain ID is sent to a Device by ROAP-JoinDomainResponse message. Device must keep integrity of the association between Domain ID and Domain Context information.
<i>Domain Key</i>	Yes	Yes	Domain Key is sent to a Device in Join Domain Response. Device must keep its confidentiality and integrity at all times.
<i>Expiry Time</i>	No	Yes	Expiry Time is sent to a Device in Join Domain Response.
<i>RI public Key</i>	No	Yes	Domain Context shall contain the RI public key for the case when the Domain Context Expiry Time extends beyond the RI Context Expiry Time. (DRM spec, 5.4.2.2.1)
<i>RI Context</i>	-	-	Device establishes RI Context with an RI through 4-pass Registration protocol. Device should keep this information at least until its expiry time. Device must keep confidentiality and integrity of the component information for the RI.
<i>riURL</i>	No	Yes	riURL is sent to a Device via ROAP-RegistrationResponse message.
<i>Agreed protocol parameters</i>	No	Yes	Agreed protocol parameters are shared between a Device and an RI by ROAP-DeviceHello and ROAP-RIHello sequence.
<i>Protocol version</i>	No	Yes	Protocol version is shared between a Device and an RI by ROAP-DeviceHello and ROAP-RIHello sequence.
<i>Trusted Device Authorities</i>	No	Yes	Trusted Device Authorities are sent to a Device by ROAP-RIHello message.
<i>RI ID</i>	No	Yes	RI ID is sent to a Device by ROAP-RIHello message.
<i>Information whether an RI has stored Device Certificate</i>	No	Yes	
<i>OCSP Responder Certificate Chain (Public Key)</i>	No	Yes	OCSP Responder Certificate is sent to a Device by RI's responses during 4-pass, 2-pass, 1-pass ROAP protocol.
<i>Current (valid) OCSP response</i>	No	Yes	OCSP response is sent to a Device by RI's responses during 4-pass, 2-pass, and 1-pass ROAP protocol.
<i>RI Certificate Chain (Public Key)</i>	No	Yes	RI Certificate Chain is sent to a Device by RI's responses during 4-pass, 2-pass, and 1-pass ROAP protocol.
<i>RI certificate validation data</i>	No	Yes	
<i>Domain Name Whitelist</i>	No	Yes	Domain Name Whitelist is sent to a Device by ROAP-RegistrationResponse message.
<i>Expiry Time</i>	No	Yes	
<i>Replay Protection Cache</i>	-	-	Device must have two kinds of replay protection caches and keep their integrity at all times.
<i>with <GUID, RITS> entries</i>	No	Yes	
<i>with only <GUID> entries</i>	No	Yes	

<i>Device RO / Domain RO</i>			-	-	RI sends Device RO /Domain RO to a Device by ROAP-ROResponse. Domain RO may also be received by other methods.
<i>Permission / Constraint</i>			No	Yes	
<i>Content Encryption Key</i>			Yes	Yes	
<i>Z</i>			Yes	Yes	
<i>Key Encryption Key</i>			Yes	Yes	
<i>Rights Encryption Key</i>			Yes	Yes	
<i>MAC Key</i>			Yes	Yes	
Broadcast			-	-	
<i>ETSI TS 102 474 (18Crypt Profile)</i>	<i>IEC 62455</i>	<i>OMA BCAST (DRM Profile)</i>	-	-	B = Broadcast or non-connected mode, I = Interactive or connected mode
<i>BAK (BCRO Authentication Key)</i>	<i>BAK (BCRO Authentication Key)</i>	<i>BAK (BCRO Authentication Key)</i>	Yes	Yes	B
<i>BCRO (Broadcast Rights Object)</i>	<i>BCRO (Broadcast Rights Object)</i>	<i>BCRO (Broadcast Rights Object)</i>	No	Yes	B
<i>BDK (Broadcast Domain Key)</i>	<i>BDK (Broadcast Domain Key)</i>	<i>BDK (Broadcast Domain Key)</i>	Yes	Yes	B
-	<i>CIEK (Content Item Encryption Key)</i>	<i>CIEK (Content Item Encryption Key)</i>	Yes	Yes	B, I
-	<i>CGF (Customer Group Filter)</i>	-	No	Yes	B
-	-	<i>DEK (Deduced Encryption Key)</i>	Yes	Yes	B
-	-	<i>FSGK (Flexible Subscriber Group Key)</i>	Yes	Yes	B
<i>ICRO (Interactivity Channel Rights Object)</i>	<i>ICRO (Interactivity Channel Rights Object)</i>	<i>RO (Rights Object)</i>	No	Yes	
<i>IEK (Inferred Encryption Key)</i>	<i>IEK (Inferred Encryption Key)</i>	<i>IEK (Inferred Encryption Key)</i>	Yes	Yes	B
<i>IPsec SA (Security Association)</i>	<i>IPsec SA (Security Association)</i>	<i>IPsec SA (Security Association)</i>	Yes	Yes	B, I
<i>ISMACrypKey</i>	<i>ISMACrypKey</i>	<i>ISMACrypKey</i>	Yes	Yes	B, I
<i>KSM (Key Stream Message)</i>	<i>KSM (Key Stream Message)</i>	<i>STKM (Short Term Key Message)</i>	No	Yes	B, I

<i>LBDF (Longform Broadcast Domain Filter)</i>	<i>LBDF (Longform Broadcast Domain Filter)</i>	<i>LBDF (Longform Broadcast Domain Filter)</i>	Yes	Yes	B
<i>NK (Node Key)</i>	<i>NK (Node Key)</i>	<i>NK (Node Key)</i>	Yes	Yes	B
<i>OMA DRM 2.0 Device Private Key</i>	<i>OMA DRM 2.0 Device Private Key</i>	<i>OMA DRM 2.0 Device Private Key</i>	Yes	Yes	I
<i>OMA DRM 2.0 Domain Key</i>	<i>OMA DRM 2.0 Domain Key</i>	<i>OMA DRM 2.0 Domain Key</i>	Yes	Yes	I
<i>PAK (Program Authentication Key)</i>	<i>PAK (Program Authentication Key)</i>	<i>PAK (Program Authentication Key)</i>	Yes	Yes	B, I
<i>PAS (Program Authentication Seed)</i>	<i>PAS (Program Authentication Seed)</i>	<i>PAS (Program Authentication Seed)</i>	Yes	Yes	B, I
<i>PEAK (Program Encryption / Authentication Key)</i>	<i>PEAK (Program Encryption / Authentication Key)</i>	<i>PEAK (Program Encryption / Authentication Key)</i>	Yes	Yes	B, I
<i>PEK (Program Encryption Key)</i>	<i>PEK (Program Encryption Key)</i>	<i>PEK (Program Encryption Key)</i>	Yes	Yes	B, I
<i>REK (Rights Encryption Key)</i>	<i>REK (Rights Encryption Key)</i>	<i>REK (Rights Encryption Key)</i>	Yes	Yes	I
<i>RIAK (Right Issuer Authentication Key)</i>	<i>RIAK (Right Issuer Authentication Key)</i>	<i>RIAK (Right Issuer Authentication Key)</i>	Yes	Yes	B,
<i>RO (Rights Object)</i>	<i>RO (Rights Object)</i>	<i>GRO (Generalized Rights Object)</i>	No	Yes	B, I
<i>SAK (Service Authentication Key)</i>	<i>SAK (Service Authentication Key)</i>	<i>SAK (Service Authentication Key)</i>	Yes	Yes	B, I
<i>SAS (Service Authentication Seed)</i>	<i>SAS (Service Authentication Seed)</i>	<i>SAS (Service Authentication Seed)</i>	Yes	Yes	B, I
<i>SBDF (Shortform Broadcast Domain Filter)</i>	<i>SBDF (Shortform Broadcast Domain Filter)</i>	<i>SBDF (Shortform Broadcast Domain Filter (a.k.a. shortform_domain_id))</i>	Yes	Yes	B
<i>SEAK (Service Encryption / Authentication Key)</i>	<i>SEAK (Service Encryption / Authentication Key)</i>	<i>SEAK (Service Encryption / Authentication Key)</i>	Yes	Yes	B, I

<i>SEK (Service Encryption Key)</i>	<i>SEK (Service Encryption Key)</i>	<i>SEK (Service Encryption Key)</i>	Yes	Yes	B, I
<i>SGK (Subscriber Group Key)</i>	<i>SGK (Subscriber Group Key)</i>	<i>SGK (Subscriber Group Key)</i>	Yes	Yes	B
<i>SK (Session Key)</i>	<i>SK (Session Key)</i>	<i>SK (Session Key)</i>	Yes	Yes	B
<i>SRTP Crypto Context</i>	<i>SRTP Crypto Context</i>	<i>SRTP Crypto Context</i>	Yes	Yes	B, I
<i>TAK (Traffic Authentication Key)</i>	<i>TAK (Traffic Authentication Key)</i>	<i>TAK (Traffic Authentication Key)</i>	Yes	Yes	B, I
<i>TAS (Traffic Authentication Seed)</i>	<i>TAS (Traffic Authentication Seed)</i>	<i>TAS (Traffic Authentication Seed)</i>	Yes	Yes	B, I
<i>TDK (Token Delivery Key)</i>	<i>TDK (Token Delivery Key)</i>	<i>TDK (Token Delivery Key)</i>	Yes	Yes	B
<i>TEK (Traffic Encryption Key)</i>	<i>TEK (Traffic Encryption Key)</i>	<i>TEK (Traffic Encryption Key)</i>	Yes	Yes	B, I
<i>UDF (Unique Device Filter)</i>	<i>UDF (Unique Device Filter)</i>	<i>UDF (Unique Device Filter)</i>	Yes	Yes	B
<i>UDK (Unique Device Key)</i>	<i>UDK (Unique Device Key)</i>	<i>UDK (Unique Device Key)</i>	Yes	Yes	B
<i>UGK (Unique Group Key)</i>	<i>UGK (Unique Group Key)</i>	<i>UGK (Unique Group Key)</i>	Yes	Yes	B
<i>Status information for Stateful Rights</i>			No	Yes	Device must keep status information for each stateful RO and keep updating it when the associated content is consumed. Device must keep its integrity as long as RO is usable.
<i>Transaction ID</i>			No	No	
<i>GroupKey</i>			Yes	Yes	The GroupKey is included in the extended headers of a DCF within an OMADRMGroupID box.

SO AGREED AS OF THE DATE LAST WRITTEN BELOW.
This Agreement may be executed in multiple counterparts.

CMLA:
as attorney-in-fact for Founders;

Client Adopter:

LMI, LLC

as attorney-in-fact for CMLA, LLC

By: _____

By: _____

Name: _____

Name: _____

Title: _____

Title: _____

Date: _____

Date: _____

Addresses and facsimile for notices

CMLA LLC:

Client Adopter

225 B Cochrane Circle
Morgan Hill, CA 95037
Intel Corporation:

Panasonic Corporation:

Office of General Counsel
2200 Mission College Blvd
Santa Clara, CA USA 95052
Facsimile: 01-408-765-1859
Copy to Jeffrey Lawrence,
Director of Content Policy,
facsimile number 01-503-264-9564

General Manager
Corporate Legal Affairs Division
Matsushita Electric Industrial Co.,Ltd
1006 Kaoma, Osaka 571-8501 JAPAN
(tel) +81-6-6908-5836
(fax) +81-6-6906-3760

Nokia Corporation:
Technology Platforms Legal Department

Samsung Electronics Co., Ltd:
EUISUK CHUNG (Vice President)

Attn. Vice President, Legal
P.O.Box 100, FI-00045 NOKIA GROUP
Keilalahdentie 4, 02150 Espoo, Finland
tel. +358-7180 08000
fax. +358-7180 38677

Samsung Electronics IT Center 24th floor
Maetan 3 Dong Youngtong-Gu
Suwon Kyounggi Korea (ROK)
Telephone : 82-31-279-6400
Fax : 82-31-279-6501