



QUALCOMM Incorporated

5775 Morehouse Drive  
San Diego, CA 92121-1714  
858-587-1121

[www.qualcomm.com](http://www.qualcomm.com)

October 26, 2016

Via Email and Federal Express

Attn: Daro Bruno  
ATSC  
1776 K STREET NW 8th FLOOR  
WASHINGTON, DC 20006-2304

Re: QUALCOMM Incorporated's IPR Declaration of October 26, 2016 for ATSC Candidate Standard: ATSC Working Draft: ATSC 3.0 Security and Service Protection (S36-016r12)

Dear Sir,

Enclosed please find Qualcomm Incorporated's IPR Disclosure Statement and Licensing Declaration for ATSC Candidate Standard: ATSC Working Draft: ATSC 3.0 Security and Service Protection (S36-016r12).

Please find attached copies of Qualcomm Incorporated's Patent Statement and Licensing Declaration forms sent to ISO/IEC for the following normative references as cited in ATSC Specification ATSC Candidate Standard: ATSC Working Draft: ATSC 3.0 Security and Service Protection (S36-016r12):

ISO/IEC: ISO/IEC 14496-12 Fourth edition 2012-07-15 Corrected version 2012-09-15, "Information technology — Coding of audio-visual objects — Part 12: ISO base media file format" (normatively referenced in ATSC Working Draft: ATSC 3.0 Security and Service Protection (S36-016r12))

ISO/IEC: "ISO/IEC 23009-1:2014, Information technology — Dynamic adaptive streaming over HTTP (DASH) — Part 1: Media presentation description and segment formats," International Organization for Standardization, Geneva, 2nd Edition, 15 May 2014 (normatively referenced in ATSC Working Draft: ATSC 3.0 Security and Service Protection (S36-016r12))



Please confirm receipt of this declaration at your earliest convenience via email to [ip.disclosure@qualcomm.com](mailto:ip.disclosure@qualcomm.com). If you have any questions or concerns, please contact me directly at 858-587-1121. Thank you for your time and assistance with this matter.

Sincerely,

A handwritten signature in black ink, appearing to read "TRR", with a long horizontal flourish extending to the right.

Thomas R. Rouse  
VP & Legal Counsel  
Standards Policy & Compliance  
Qualcomm Incorporated

TR/go

# ATSC

## Disclosure Statement and Licensing Declaration

*This declaration does not represent an implied license grant*

**Please return to:**

President  
ATSC  
1750 K Street NW  
Suite 1200  
Washington, DC 20006  
202-872-9160 – Office  
202-872-9161 - Fax

**Discloser:**

**Name of Participant:** QUALCOMM Incorporated

**Contact Information for  
Participant's Representative:**

Thomas R. Rouse, VP & Legal Counsel,  
Standards Policy and Compliance

**Name of Representative:**

Thomas R. Rouse, VP & Legal Counsel,  
Standards Policy and Compliance

**Address:**

5775 Morehouse Drive, San Diego, CA 92121

**Tel. No.:**

858-587-1121

**Fax:**

858-658-2503

**Email:**

ip.disclosure@qualcomm.com

**URL (optional):**

www.qualcomm.com

**Identification of ATSC Specification Document relevant to the Disclosure Statement:**

**Number:**

**Title:** ATSC Working Draft: ATSC 3.0 Security and Service Protection (S36-016r12)

Licensing Declaration

If the Discloser is the holder of a patent and/or pending patent application that is the subject of an **Essential Claim, i.e., the use of which it believes would be required to implement the** identified ATSC Specification Document, the Discloser hereby declares, in accordance with the Statement on ATSC Patent Policy (see ATSC website), that (check one box only).

a. The Discloser agrees to make a license to the Essential Claim available without compensation upon request to all applicants for the purpose of implementing the Specification Document, which license may be conditioned upon license reciprocity with respect to the same Specification Document. Negotiations are left to the parties concerned and are performed outside of ATSC.

Mark here  if the Discloser's willingness to license is conditioned on reciprocity for the above ATSC Standard.

b. The Discloser agrees to make a license to the Essential Claim available upon request under reasonable and nondiscriminatory terms and conditions to all applicants for the purpose of implementing the Specification Document, which conditions may include license reciprocity with respect to the same Specification Document. Negotiations are left to the parties concerned and are performed outside of ATSC.

Mark here  if the Discloser's willingness to license is conditioned on reciprocity for the above ATSC Standard.

c. The Discloser will not make a license to the Essential Claim under reasonable and nondiscriminatory terms and conditions to applicants for the purpose of implementing the Specification Document.

**Without Compensation:** The phrase "without compensation" does not mean that the Discloser is waiving all of its rights with respect to each patent or patent application that is the subject matter of the Essential Claim. Rather, "without compensation" refers to the issue of monetary **compensation; i.e., that the Discloser will not seek any monetary compensation as part of the** licensing arrangement (whether such compensation is called a royalty, a one-time licensing fee, etc.). However, while the Discloser in this situation is committing to not charging any monetary amount, the Discloser is still entitled to require that the implementer of the ATSC Specification Document sign a license agreement that contains other reasonable terms and conditions such as **those relating to governing law, field of use, reciprocity, warranties, etc.**

**Reciprocity:** As used herein, the word "reciprocity" means that the Discloser shall only be required to license any prospective licensee under the stated terms (without compensation or under reasonable and nondiscriminatory terms and conditions) if such prospective licensee will commit to license its patent(s) or patent application(s) forming the subject matter of an Essential Claim under similar (without compensation or under reasonable and nondiscriminatory) terms and conditions.

In accordance with Sections 3 and 4 of the ATSC Patent Policy, if the Discloser has made a licensing declaration under paragraph (c) above, please provide the following information.

- an identification of each patent or patent application that is the subject matter of the Essential Claim;
- 
- an identification of specific section(s) or text of the Specification Document that are relevant to the Essential Claim; and
- an identification of each patent or patent application claim covering the Specification Document.

This information is informal in nature and does not constitute a legal opinion, but should be based on "good faith and belief" of the Discloser. Information provided in this section does not represent a formal "notice" that implementation of any resulting ATSC Standard or Recommended Practice would infringe any patent or patent application for the Essential Claim.

Completed By:

Name of Participant: QUALCOMM Incorporated

Name of Representative: Thomas R. Rouse

Title of Representative: VP & Legal Counsel, Standards Policy & Compliance

Signature:  \_\_\_\_\_

Place, Date: San Diego, CA October 26, 2016

**Disclosure of Patents**

In accordance with Sections 3 and 4 of the ATSC Patent Policy, please identify each patent or patent application forming the subject matter of any Potential Claim of which any Representative of the Discloser who is active in an ATSC technology group or specialist group has actual personal knowledge. The Discloser, in good faith, believes that the Potential Claim may be relevant to the implementation of the Specification Document identified by this Disclosure Statement.

No	Patent/Application	Country	Patent/Application Holder	Status [granted/pending]
1	9,167,280	United States	QUALCOMM Incorporated	Granted
	8,677,504	United States	QUALCOMM Incorporated	Granted
	PI0613730-0	Brazil	QUALCOMM Incorporated	PENDING
	200680032332.1	China P. R.	QUALCOMM Incorporated	PENDING
	06787375.2	European Patent Convention	QUALCOMM Incorporated	PENDING
	259376	India	QUALCOMM Incorporated	Granted
	5479528	Japan	QUALCOMM Incorporated	Granted
	10-1011588	Republic of Korea	QUALCOMM Incorporated	Granted
2394389	Russian Federation	QUALCOMM Incorporated	Granted	

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**Patent Statement and Licensing Declaration  
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*This declaration does not represent an actual grant of a license*

Please return to the relevant organization(s) as instructed below per document type:

<p><b>Director</b> Telecommunication Standardization Bureau International Telecommunication Union Place des Nations CH-1211 Geneva 20, Switzerland Fax: +41 22 730 5853 Email: <a href="mailto:tsbdir@itu.int">tsbdir@itu.int</a></p>	<p><b>Director</b> Radiocommunication Bureau International Telecommunication Union Place des Nations CH-1211 Geneva 20, Switzerland Fax: +41 22 730 5785 Email: <a href="mailto:brmail@itu.int">brmail@itu.int</a></p>	<p><b>Secretary-General</b> International Organization for Standardization 1 Chemin de la Voie-Creuse CH-1211 Geneva 20 Switzerland Fax: +41 22 733 3430 Email: <a href="mailto:patent.statements@iso.org">patent.statements@iso.org</a></p>	<p><b>General Secretary</b> International Electrotechnical Commission 3 rue de Varembe CH-1211 Geneva 20 Switzerland Fax: +41 22 919 0300 Email: <a href="mailto:inmail@iec.ch">inmail@iec.ch</a></p>
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<b>Patent Holder:</b>	
Legal Name	<u>QUALCOMM Incorporated</u>
<b>Contact for license application:</b>	
Name & Department	<u>Thomas R. Rouse, VP QTL Patent Counsel</u>
Address	<u>5775 Morehouse Drive</u> <u>San Diego, CA 92121</u>
Tel.	<u>858-587-1121</u>
Fax	<u>858-658-2503</u>
E-mail	<u>trouse@qualcomm.com</u>
URL (optional)	<u>qualcomm.com</u>
<b>Document type:</b>	
<input type="checkbox"/> ITU-T Rec. (*) <input type="checkbox"/> ITU-R Rec. (*) <input checked="" type="checkbox"/> ISO Deliverable (*) <input checked="" type="checkbox"/> IEC Deliverable (*)	
(please return the form to the relevant Organization)	
<input type="checkbox"/> Common text or twin text (ITU-T Rec.   ISO/IEC Deliverable (*)) (for common text or twin text, please return the form to each of the three Organizations: ITU-T, ISO, IEC)	
<input checked="" type="checkbox"/> ISO/IEC Deliverable (*) (for ISO/IEC Deliverables, please return the form to both ISO and IEC)	
(*)Number	<u>ISO/IEC 23009-1</u>
(*)Title	<u>Information technology -- Dynamic adaptive streaming over HTTP (DASH) -- Part 1: Media presentation description and segment formats</u>

**Licensing declaration:**

The Patent Holder believes that it holds granted and/or pending applications for patents, the use of which would be required to implement the above document and hereby declares, in accordance with the Common Patent Policy for ITU-T/ITU-R/ISO/IEC, that (check one box only):

1. The Patent Holder is prepared to grant a free of charge license to an unrestricted number of applicants on a worldwide, non-discriminatory basis and under other reasonable terms and conditions to make, use, and sell implementations of the above document.  
Negotiations are left to the parties concerned and are performed outside the ITU-T, ITU-R, ISO or IEC.  
*Also mark here  if the Patent Holder's willingness to license is conditioned on reciprocity for the above document.*  
*Also mark here  if the Patent Holder reserves the right to license on reasonable terms and conditions (but not free of charge) to applicants who are only willing to license their patent claims, whose use would be required to implement the above document, on reasonable terms and conditions (but not free of charge).*

2. The Patent Holder is prepared to grant a license to an unrestricted number of applicants on a worldwide, non-discriminatory basis and on reasonable terms and conditions to make, use and sell implementations of the above document.  
Negotiations are left to the parties concerned and are performed outside the ITU-T, ITU-R, ISO, or IEC.  
*Also mark here  if the Patent Holder's willingness to license is conditioned on reciprocity for the above document.*

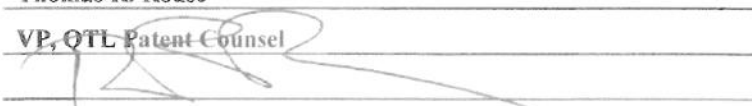
3. The Patent Holder is unwilling to grant licenses in accordance with provisions of either 1 or 2 above.  
In this case, the following information must be provided to ITU, and is strongly desired by ISO and IEC, as part of this declaration:

- granted patent number or patent application number (if pending);
- an indication of which portions of the above document are affected;
- a description of the patent claims covering the above document.

Free of charge: The words "free of charge" do not mean that the Patent Holder is waiving all of its rights with respect to the essential patent. Rather, "free of charge" refers to the issue of monetary compensation; *i.e.*, that the Patent Holder will not seek any monetary compensation as part of the licensing arrangement (whether such compensation is called a royalty, a one-time licensing fee, etc.). However, while the Patent Holder in this situation is committing to not charging any monetary amount, the Patent Holder is still entitled to require that the implementer of the above document sign a license agreement that contains other reasonable terms and conditions such as those relating to governing law, field of use, reciprocity, warranties, etc.

Reciprocity: As used herein, the word "reciprocity" means that the Patent Holder shall only be required to license any prospective licensee if such prospective licensee will commit to license its essential patent(s) or essential patent claim(s) for implementation of the same above document free of charge or under reasonable terms and conditions.

**Signature:**

Patent Holder	<u>QUALCOMM Incorporated</u>
Name of authorized person	<u>Thomas R. Rouse</u>
Title of authorized person	<u>VP, OTL Patent Counsel</u>
Signature	
Place, Date	<u>San Diego, California November 9, 2011</u>



<b>Patent Information</b> (desired but not required for options 1 and 2; required in ITU for option 3 (NOTE))				
<b>No.</b>	<b>Status</b> [granted/ pending]	<b>Country</b>	<b>Granted Patent Number</b> or <b>Application Number (if</b> <b>pending)</b>	<b>Title</b>
1				
2				
3				

*NOTE: For option 3, the additional minimum information that shall also be provided is listed in the option 3 box above.*

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<b>Director</b>	<b>Director</b>	<b>Secretary-General</b>	<b>General Secretary</b>
Telecommunication Standardization Bureau International Telecommunication Union Place des Nations CH-1211 Geneva 20, Switzerland Fax: +41 22 730 5853 Email: <a href="mailto:tsbdir@itu.int">tsbdir@itu.int</a>	Radiocommunication Bureau International Telecommunication Union Place des Nations CH 1211 Geneva 20, Switzerland Fax: +41 22 730 5785 Email: <a href="mailto:brmail@itu.int">brmail@itu.int</a>	International Organization for Standardization 1 Chemin de la Voie-Creuse CH-1211 Geneva 20 Switzerland Fax: +41 22 733 3430 Email: <a href="mailto:patent.statements@iso.org">patent.statements@iso.org</a>	International Electrotechnical Commission 3 rue de Varembe CH-1211 Geneva 20 Switzerland Fax: +41 22 919 0300 Email: <a href="mailto:inmail@iec.ch">inmail@iec.ch</a>

<b>Patent Holder:</b>	
Legal Name	<u>QUALCOMM Incorporated</u>
<b>Contact for license application:</b>	
Name & Department	<u>Thomas R. Rouse, VP, Chief Patent Counsel Legal Department</u>
Address	<u>5775 Morehouse Drive San Diego, CA 92121</u>
Tel.	<u>858-651-6732</u>
Fax	<u>858-658-2502</u>
E-mail	<u>trouse@qualcomm.com</u>
URL (optional)	<u>www.qualcomm.com</u>
<b>Document type:</b>	
<input type="checkbox"/> ITU-T Rec. (*) <input type="checkbox"/> ITU-R Rec. (*) <input checked="" type="checkbox"/> ISO Deliverable (*) <input checked="" type="checkbox"/> IEC Deliverable (*)	
(please return the form to the relevant Organization)	
<input type="checkbox"/> <b>Common text or twin text (ITU-T Rec.   ISO/IEC Deliverable (*)</b> (for common text or twin text, please return the form to each of the three Organizations: ITU-T, ISO, IEC)	
<input checked="" type="checkbox"/> <b>ISO/IEC Deliverable (*)</b> (for ISO/IEC Deliverables, please return the form to both ISO and IEC)	
(*)Number	<u>ISO/IEC 14496-12:2008/FPDAM 1</u>
(*)Title	<u>General improvements including hint tracks, metadata support, and sample groups</u>

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Also mark here  if the Patent Holder's willingness to license is conditioned on reciprocity for the above document.

Also mark here  if the Patent Holder reserves the right to license on reasonable terms and conditions (but not free of charge) to applicants who are only willing to license their patent claims, whose use would be required to implement the above document, on reasonable terms and conditions (but not free of charge).

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Also mark here  if the Patent Holder's willingness to license is conditioned on reciprocity for the above document.

3. The Patent Holder is unwilling to grant licenses in accordance with provisions of either 1 or 2 above.


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**Signature:**

Patent Holder	<u>QUALCOMM Incorporated</u>
Name of authorized person	<u>Thomas R. Rouse</u>
Title of authorized person	<u>VP, Chief Patent Counsel</u>
Signature	
Place, Date	<u>San Diego, CA 12/12/08</u>

<b>Patent Information</b> (desired but not required for options 1 and 2; required in ITU for option 3 (NOTE))				
<b>No.</b>	<b>Status</b> [granted/ pending]	<b>Country</b>	<b>Granted Patent Number or Application Number (if pending)</b>	<b>Title</b>
1				
2				
3				

*NOTE: For option 3, the additional minimum information that shall also be provided is listed in the option 3 box above.*

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