# **ATSC**

#### Disclosure Statement and Licensing Declaration

This declaration does not represent an implied license grant

Please	return '	to:
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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: S33-3-274r7

Title:

ATSC Working Draft: Application Signaling

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 theidentified 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.					
2	(40)	H			
Completed By:					
Name of Participant:	QUALCOMM Incorporated				
Name of Representative:	Thomas R. Rouse				
Title of Representative:	VP & Legal Counsel, Standards Policy & Compliance	<u>ce</u>			
Signature:					
Place, Date:	San Diego, CA January 25, 2017				

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 In accordance with Sections 3 and 4 of the ATSC Patent Policy, please identify each patent or patent application that the Potential Claim may be relevant to the implementation of the Specification Document identified by this Disclosure Statement. Disclosure of Patents

No	Patent/Application Country	Country	Patent/Application Holder Status [granted/pending]	Status [granted/pending]
~	62/310,366	United States	QUALCOMM Incorporated   PENDING	PENDING
2	62/400,418	United States	QUALCOMM Incorporated	PENDING
ო	62/348,560	United States	QUALCOMM Incorporated   PENDING	PENDING
4	9,032,466	United States	QUALCOMM Incorporated   Granted	Granted
				*

#### Patent Statement and Licensing Declaration Form for ITU-T/ITU-R Recommendation ISO/IEC Deliverable







#### Patent Statement and Licensing Declaration for ITU-T/ITU-R Recommendation | ISO/IEC Deliverable

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Patent Holder:	
Legal Name	QUALCOMM Incorporated
Contact for license a	pplication:
Name & Department	Thomas R. Rouse, VP QTL Patent Counsel
Address	5775 Morehouse Drive
	San Diego, CA 92121
Tel.	858-587-1121
Fax	858-658-2503
E-mail	trouse@qualcomm.com
URL (optional)	qualcomm.com
Document type:	
ITU-T Rec. (*)	☐ ITU-R Rec. (*) ☐ ISO Deliverable (*) ☐ IEC Deliverable (*)
(please return the form	n to the relevant Organization)
	twin text (ITU-T Rec.   ISO/IEC Deliverable (*)) (for common text or twin text, please of the three Organizations: ITU-T, ISO, IEC)
ISO/IEC Deliver	able (*) (for ISO/IEC Deliverables, please return the form to both ISO and IEC)
(*)Number	ISO/IEC 23009-1
(*)Title	Information technology Dynamic adaptive streaming over HTTP (DASH) Part 1: Media presentation description and segment formats

The Paten		t it holds granted and/or pending applications for patents, the use of which would be be document and hereby declares, in accordance with the Common Patent Policy for heck one box only):
	applicants on a work make, use, and sell i	Holder is prepared to grant a <u>free of charge</u> license to an unrestricted number of dwide, non-discriminatory basis and under other reasonable terms and conditions to mplementations of the above document.  to the parties concerned and are performed outside the ITU-T, ITU-R, ISO or IEC.
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	3. The Patent above.	Holder is unwilling to grant licenses in accordance with provisions of either 1 or 2
	In this case, the follo as part of this declar	owing information must be provided to ITU, and is strongly desired by ISO and IEC, ation:
	- granted patent n	umber 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.
respect to Patent Ho compensa committin of the aborelating to	the essential patent. Ider will not seek any tion is called a royalt te to not charging any ve document sign a li governing law, field	be of charge" do not mean that the Patent Holder is waiving all of its rights with Rather, "free of charge" refers to the issue of monetary compensation; i.e., that the monetary compensation as part of the licensing arrangement (whether such y, a one-time licensing fee, etc.). However, while the Patent Holder in this situation is monetary amount, the Patent Holder is still entitled to require that the implementer icense agreement that contains other reasonable terms and conditions such as those of use, reciprocity, warranties, etc.
any prosp claim(s) fe	ective licensee if such or implementation of	prospective licensee will commit to license its essential patent(s) or essential patent the same above document free of charge or under reasonable terms and conditions.
Signature	3*	
Patent Ho	lder	QUALCOMM Incorporated
Name of a	authorized person	Thomas R. Rouse
Title of au	thorized person	VP, QTL Patent Counsel
Signature		
Place, Dat	te	San Diego, California November 9, 2011

FORM: 1 March 2007

No.	Status [granted/ pending]	Country	Granted Patent Number or Application Number (if	Title
1			pending)	
2				

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

A STATE OF THE STA



December 12, 2008

Via DHL and Email

Re: Qualcomm Incorporated's Patent Statements and Licensing Declarations of December 12, 2008

Dear Director:

Enclosed please find Qualcomm Incorporated's Patent Statements and Licensing Declarations of December 12, 2008. You will also be receiving a copy via DHL.

Please confirm receipt of this declaration at your earliest convenience via return email jmorgan@qualcomm.com. If you have any questions or concerns regarding these documents, please feel free to contact me directly at any of the contact numbers provided below or return email. Thank you for your assistance with this matter.

Sincerely,

Jeanna M. Morgan Legal Specialist

Intellectual Property Group
QUALCOMM Legal Department

QUALCOMM Incorporated 5775 Morehouse Dr. San Diego, CA 92121

Phone - (858) 651-7035 Mobile - (760) 803-6497

http://www.qualcomm.com

Cc: INCITS, ANSI

#### Patent Statement and Licensing Declaration Form for ITU-T/ITU-R Recommendation ISO/IEC Deliverable



Telecommunication

Union

(\*)Number

(\*)Title

Standardization Bureau

International Telecommunication





International Electrotechnical

Commission

3 rue de Varembé

CH-1211 Geneva 20

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Secretary-General

CH-1211 Geneva 20

Standardization

International Organization for

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Place des Nations

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Place des Nations CH-1211 Geneva 20, Switzerland Fax: +41 22 730 5853 Email: tsbdir@itu.int	CH 1211 Geneva 20, Switzerland Fax: +41 22 730 5785 Email: <u>brmail@itu.int</u>	Switzerland Fax: +41 22 733 3430 Email: patent.statements@iso.org	Switzerland Fax: +41 22 919 0300 Email: inmail@icc.ch
Patent Holder:			
Legal Name	QUALCOMM Incorporated		
Contact for license a	pplication:		
Name &	Thomas R. Rouse, VP, Chief P	atent Counsel	
Department	Legal Department		
Address	5775 Morehouse Drive		
	San Diego, CA 92121		
Tel.	858-651-6732		_
Fax	858-658-2502		
E-mail	trouse@qualcomm.com		
URL (optional)	www.qualcomm.com		
Document type:			
ITU-T Rec. (*)	ITU-R Rec. (*)	ISO Deliverable (*)	IEC Deliverable (*)
(please return the form	n to the relevant Organization)		
	twin text (ITU-T Rec.   ISO/IE h of the three Organizations: ITU		non text or twin text, please

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General improvements including hint tracks, metadata support, and sample

ISO/IEC 14496-12:2008/FPDAM 1

groups

Licensing	g declaration:	
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$\boxtimes$	worldwide, non-dis	It Holder is prepared to grant a license to an unrestricted number of applicants on a scriminatory basis and on reasonable terms and conditions to make, use and sell the above document.
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	Also mark here Also mark here document.	if the Patent Holder's willingness to license is conditioned on reciprocity for the above
	3. The Paten	t Holder is unwilling to grant licenses in accordance with provisions of either 1 or 2
	In this case, the follars part of this declar	lowing information must be provided to ITU, and is strongly desired by ISO and IEC, ration:
	- granted patent	number or patent application number (if pending);
	- an indication o	f which portions of the above document are affected;
	- a description of	the patent claims covering the above document.
respect to Patent Ho compensa committing of the about	the essential patent. older will not seek an ation is called a royal ag to not charging an ove document sign a	Rether, "free of charge" refers to the issue of monetary compensation; <i>i.e.</i> , that the y monetary compensation as part of the licensing arrangement (whether such ty, a one-time licensing fee, etc.). However, while the Patent Holder in this situation is y monetary amount, the Patent Holder is still entitled to require that the implementer license agreement that contains other reasonable terms and conditions such as those d of use, reciprocity, warranties, etc.
any prosp	ective licensee if suc	the word "reciprocity" means that the Patent Holder shall only be required to license the prospective licensee will commit to license its essential patent(s) or essential patent of the same above document free of charge or under reasonable terms and conditions.
Signatur		
Patent Ho	older	QUALCOMM Incorporated
Name of	authorized person	Thomas R. Rouse
Title of a	uthorized person	VP, Chief Patent Counsel
Signature		
Place, Da	te	San Diego, CA 12/12/08

FORM: 1 March 2007

2	No.	Status [granted/ pending]	Country	Granted Patent Number or Application Number (if pending)	Title
2	1				
	2				

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

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#### PATENT STATEMENT AND LICENSING DECLARATION FORM FOR ITU-T OR ITU-R RECOMMENDATION | ISO OR IEC DELIVERABLE



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Union

Standardization Bureau

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CH-1211 Geneva 20

Electrotechnical

International

Commission

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Secretary-General

CH-1211 Geneva 20

Standardization

International Organization for

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Place des Nations

International Telecommunication

Place des Nations CH-1211 Geneva 20, Switzerland Fax: +41 22 730 5853 Email: tsbdir@itu.int	CH-1211 Geneva 20. Switzerland Switzerland Switzerland Fax. +41 22 733 3430 Fax. +41 22 730 5785 Email: Email brmail@itu.int patent.statements@iso.org Switzerland Fax. +41 22 919 0300 Email: Email: Email: Email brmail@icc.ch
Patent Holder:	
Legal Name	QUALCOMM Incorporated
Contact for license	application:
Name &	Thomas R. Rouse, VP QTL Patent Counsel
Department	
Address	5775 Morehouse Drive
	San Diego, CA 92121
Tel.	858-587-1121
Fax	858-845-4122
E-mail	trouse@qualcomm.com
URL (optional)	www.qualcomm.com
Document type:	
ITU-T Rec. (*	( ) [ ] ( )
(please return the fo	rm to the relevant Organization)
Common text	or twin text (ITU-T Rec.   ISO/IEC Deliverable (*)) (for common text or twin text,
please return the for	m to each of the three Organizations: ITU-T, ISO, IEC)
ISO/IEC Deliv	verable (*) (for ISO/IEC Deliverables, please return the form to both ISO and IEC)
(*)Number	ISO/IEC 23008-2 ITU-T HEVC
(*)Title	High Efficiency Video Coding

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):
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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 X if the Patent Holder's willingness to license is conditioned on Reciprocity for the above document.
<ul> <li>The Patent Holder is unwilling to grant licenses in accordance with provisions of either 1 or 2 above.</li> <li>In this case, the following information must be provided to ITU, and is strongly desired by ISO and IEC, as part of this declaration:         <ul> <li>granted patent number or patent application number (if pending);</li> <li>an indication of which portions of the above document are affected;</li> <li>a description of the Patents covering the above document.</li> </ul> </li> </ul>
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 Patent. Rather, "Free of Charge" refers to the issue of monetary compensation; i.e. that the

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 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 same above document sign a license agreement that contains other reasonable terms and conditions such as those relating to governing law, field of use, warranties, etc.

<u>Reciprocity</u>: 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 Patent(s) for implementation of the same above document Free of Charge or under reasonable terms and conditions.

<u>Patent</u>: The word "Patent" means those claims contained in and identified by patents, utility models and other similar statutory rights based on inventions (including applications for any of these) solely to the extent that any such claims are essential to the implementation of the same above document. Essential patents are patents that would be required to implement a specific Recommendation | Deliverable.

Patent Information (desired but not required for options 1 and 2; required in ITU for option 3 (NOTE))					
No.	Status	Country	Granted Patent Number or	Title	
	[granted/ pending]		Application Number (if pending)		
ı					
2					
3					
4				-	
5					
6	8			F F	
7					
8					
9					
10					
Check here if additional patent information is provided on additional pages.					
NOTE: For option 3, the additional minimum information that shall also be provided is listed in the					
option 3 box above.					
Signature (include on final page only):					
Patent Holder QUALCOMM Incorporated					
Name of authorized person Title of authorized person VP, QTL Patent Counsel					
Title	or authorized person	Vr, QIL Pat	ent Counsel		

FORM: 23 April 2012

Signature Place, Date

San Diego, California, USA