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



Director

Union

Telecommunication

Place des Nations

Standardization Bureau

International Telecommunication





General Secretary

3 rue de Varembé

CH-1211 Geneva 20

Electrotechnical

International

Commission

Switzerland

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

This declaration does not represent an actual grant of a license

Secretary-General

CH-1211 Geneva 20

Switzerland

International Organization for

Standardization
1 chemin de la Voie-Creuse

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

Radiocommunication Bureau

International Telecommunication

Director

Union

Place des Nations

CH-1211 Geneva 20.

CH-1211 Geneva 20, Switzerland Fax +41 22 730 5853 Email tsbdir@itu int	Switzerland Fax +41 22 730 5785 Email: brmail@itu int	Fax: +41 22 733 3430 Email: patent statements@iso.org	Switzerland Fax +41 22 919 0300 Email inmail@ec.ch			
Patent Holder:		TOTAL TOTAL STATE OF THE STATE				
Legal Name	ADTRAN, Inc.					
Contact for license application:						
	James E. Matthews, Senior	Vice President - Finance and	Chief Financial			
Department	Officer					
Address	901 Explorer Blvd					
	Huntsville, AL 35806		managarana ta ' s ir i millionina, mayo			
Tel.	256-963-8775		······································			
Fax	**************************************	4/34 -	······································			
E-mail	jim.matthews@adtran.com					
URL (optional)	www.adtran.com		· · · · · · · · · · · · · · · · · · ·			
Document type:			· · · · · · · · · · · · · · · · · · ·			
X ITU-T Rec. (*)	ITU-R Rec. (*)	ISO Deliverable (*)	IEC Deliverable (*)			
(please return the form to the relevant Organization)						
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)						
ISO/IEC Deliverable (*) (for ISO/IEC Deliverables, please return the form to both ISO and IEC)						
(*)Number	G.998.2	, p totalli allo totilli t	o com noo and nec)			
(*)Title	Ethernet-based multi-pair bond	ing				

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 Paten 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 of 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 whose use would be required to implement the above document, on reasonable terms and conditions (but not Free of Charge).
 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 sel 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.
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 Patents 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

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.

Reciprocity: 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))					
rate it into ination (desired but not required to options 1 and 2; required in 110 for option 3 (NO1E))					
No.	Status	Country	Granted Patent Number	Title	
	[granted/pending]		or Application Number (if pending)		
1					
2					
3					
4					
5					
6		44 200000000000000000000000000000000000			
7					
8		**************************************		A Marian Control of the Control of t	
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	ADTRAN, Inc.		
Name of authorized person	Kevin Schneider		
Title of authorized person	Chief Technology Officer		
Signature	H- W. Johnson		
Place, Date	Huntsville, AL August 21, 2014		

FORM: 23 April 2012

