June 16, 2009

Secretary, Patent Administrator
IEEE Standards Board Patent Committee
445 Hoes Lane, P.O. Box 1131
Piscataway, New Jersey USA 08855-1331

Dear Sir:

RE:  Nortel Letter of Assurance for Essential Patents
     Standard: IEEE 802.1Qay Standard (PBB-TE) entitled “IEEE Standard for Local
     and Metropolitan Area Networks-Virtual Bridged Local Area Networks –
     Amendment: Provider Backbone Bridge Traffic Engineering (“PBB-TE”)


For clarification and avoidance of doubt, nothing in this letter of information is intended to alter or supersede the existing Nortel Letter of Assurance for Essential Patents dated July 31, 2007 referenced above.

Yours truly,

Michelle Lee
IP Counsel

cc.  Glen Parsons
July 31, 2007

Via Facsimile

Mr. David Ringle
Patent Committee Administrator
IEEE Standards Department
445 Hoes Lane, P.O. Box 1131
Piscataway, New Jersey
USA 08855-1331

Dear Mr. Ringle:

Re: Letter of Assurance for Essential Patents for IEEE Project No: Proposed IEEE P802.1Qay Standard (PBB-TE)
PAR Charter no.: 198065775.7743
Standard Title: Proposed IEEE Standard for Local and Metropolitan Area Networks – Virtual Bridged Local Area Networks – Amendment: Provider Backbone Bridge Traffic Engineering

Nortel Networks voluntarily re-submits this patent statement letter together with the attached Letter of Assurance for Essential Patents (LOA) with respect to the above referenced Proposed IEEE 802.1Qay Standard (PBB-TE) according to the project’s PAR charter no.198065775.7743 (the "PBB-TE PAR Charter").

As stated in our letter dated March 16, 2007, Nortel may have patent application(s) having claims that may, if issued, become essential to the Proposed IEEE 802.1Qay Standard if approved and adopted by IEEE as contemplated within the PBB-TE PAR Charter. To the extent any Nortel Networks patent application issues that has a claim that, as issued, is essential to practice such approved and adopted IEEE 802.1Qay Standard (PBB-TE), Nortel Networks Limited declares that it is willing, upon written request, to make available non-exclusive licenses under such essential claims of such patent on a non-discriminatory basis and under reasonable terms and conditions for

Michelle Lee
IP Counsel
Nortel Networks
185 The West Mall, 5th Floor, MS T06/05/003, Toronto, Ontario, Canada M6C 5K1
T 905-863-1148    F 905-863-1987   mleslaw@nortel.com
compliance with such resulting approved and adopted IEEE 802.1Qay Standard (PBB-TE). In this regard, Nortel submits the attached LOA.

It is understood that if the approved IEEE Standard is subsequently withdrawn, Nortel has no obligation to license a party requesting a license after such withdrawal.

Any party that would be interested in a license under such essential patents may write to Richard Weiss, Deputy IP Counsel - Licensing Lead at 2221 Lakeside Boulevard, M/S 991/14/B20, Richardson, Texas 75082 or by fax at (972) 684-3127.

This letter does not grant any right to IEEE with respect to Nortel copyrights or other intellectual property rights (including patent rights) that relate to the [Proposed] IEEE 802.1Qay Standard (PBB-TE).

Please kindly post this to the IEEE-SA patent database.

Regards,

Michelle Lee

ML/nm

cc Richard Weiss, Nortel Networks
LETTER OF ASSURANCE FOR ESSENTIAL PATENTS

Please return via mail, e-mail (as a.pdf), or fax to:
Secretary, IEEE-SA Standards Board Patent Committee
Institute of Electrical and Electronics Engineers, Inc.
445 Hoes Lane
Piscataway, NJ 08854 USA
FAX (+1 732-875-0524) e-mail: patent@ieee.org

No license is implied by submission of this Letter of Assurance

A. SUBMITTER:

Legal Name: Nortel Networks Limited

B. SUBMITTER’S CONTACT INFORMATION (for the purpose of licensing information):

Contact Name/Title: Richard Weiss, Deputy IP Counsel - Licensing
Department:
Address: 2221 Lakeside Boulevard, M/S 991/14/B20, Richardson, Texas, 75082
Telephone: 972-685-4739 Fax: 972-684-3127 E-mail: weissr@nortel.com
URL:

Note: The IEEE does not endorse the content, or confirm the accuracy or consistency of any contact information or web site listed above.

C. IEEE STANDARD OR PROJECT (e.g., AMENDMENT, CORRIGENDA, OR REVISION):

In accordance with Clause 6.3.5 of the IEEE-SA Standards Board Operations Manual, this licensing position is limited to the following:
Standard/Project Number: IEEE 802.1Qay Standard (PBB-TE)
Title: IEEE Standard for Local and Metropolitan Area Networks-Virtual Bridged Local Area Networks -
Amendment: Provider Backbone Bridge Traffic Engineering ("PBB-TE")

D. SUBMITTER’S POSITION REGARDING LICENSING OF ESSENTIAL PATENT CLAIMS:

In accordance with Clause 6 of the IEEE-SA Standards Board Bylaws, the Submitter hereby declares the following (Check box 1 or box 2 below):

Note: Nothing in this Letter of Assurance shall be interpreted as giving rise to a duty to conduct a patent search. The IEEE takes no position with respect to the validity or essentiality of Patent Claims or the reasonableness of rates, terms, and conditions of any license agreements offered by the Submitter.

☐ 1. The Submitter may own, control, or have the ability to license Patent Claims that might be or become Essential Patent Claims. With respect to such Essential Patent Claims, the Submitter’s licensing position is as follows (must check a, b, c, or d in any applicable subordinate boxes):

☐ a. The Submitter will grant a license without compensation to an unrestricted number of applicants on a worldwide basis with reasonable terms and conditions that are demonstrably free of unfair discrimination.

☐ (Optional) A sample of such a license (or material licensing terms) that is substantially similar to what the Submitter would offer is attached.

☐ b. The Submitter will grant a license under reasonable rates to an unrestricted number of applicants on a worldwide basis with reasonable terms and conditions that are demonstrably free of unfair discrimination.

☐ (Optional) These reasonable rates will not exceed _______________ (e.g., percent of product price, flat fee, per unit).

☐ (Optional) A sample of such a license (or material licensing terms) that is substantially similar to what the Submitter would offer is attached.

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c. The Submitter without conditions will not enforce any present or future Essential Patent Claims against any person or entity making, using, selling, offering to sell, importing, distributing, or implementing such a compliant implementation.

d. The Submitter is unwilling or unable to grant licenses according to the provisions of either a or b above or to agree that it will not enforce its Essential Patent Claims as described in c above.

2. After a Reasonable and Good Faith Inquiry, the Submitter is not aware of any Patent Claims that the Submitter may own, control, or have the ability to license that might be or become Essential Patent Claims.

E. SCOPE OF ASSURANCE:

Note: Complete this section only if box 1 in part D above is checked.

The Submitter may, but is not required to, identify one or more of its Patent Claims that it believes might be or become Essential Patent Claims. (Check box 1 or box 2 below)

☐ 1. When checked, this Letter of Assurance only applies to the Patent Claims identified below that are or become Essential Patent Claims. (If no Patent Claim is identified below, then this Letter of Assurance applies to all Essential Patent Claims supported by the disclosure in the patent or patent applications listed below.)

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For additional patents, use additional pages as necessary.

☐ 2. When checked, this Letter of Assurance is a Blanket Letter of Assurance. As such, all Essential Patent Claims that the Submitter may currently or in the future have the ability to license shall be available under the terms as indicated above in part D.1; however, a Blanket Assurance shall not supersede any pre-existing or simultaneously submitted specific assurance identifying potential Essential Patent Claims.

F. APPLICATION TO AFFILIATES:

With respect to any Essential Patent Claims that an Affiliate has the ability to license, the Submitter agrees that (i) the licensing positions described in parts C and D above apply to any Essential Patent Claims within the scope of the assurance described in part E; and (ii) the terms of this assurance are binding on each such Affiliate; provide, however, that such representations and commitments shall not apply to Affiliates identified below:

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<td>Address</td>
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For additional Affiliates, use additional pages as necessary

G. SIGNATURE:

By signing this Letter of Assurance, you represent that you have the authority to bind the Submitter and all Affiliates (other than those Affiliates excluded above) to the representations and commitments provided in this LOA and acknowledge that users and implementers of the IEEE Standard identified in part C above are relying or will rely upon and may seek enforcement of the terms of this LOA. The Submitter and all Affiliates (other than those Affiliates excluded above) agree not to sell or otherwise transfer any rights in any Essential Patent Claims that they hold, control, or have the ability to license with the intent of circumventing or negating any of the representations and commitments made in this LOA.

The Submitter agrees (a) to provide notice of a Letter of Assurance either through a Statement of Encumbrance or by binding any assignee or transferee to the terms of such Letter of Assurance; and (b) to require its assignee or transferee to (i) agree to similarly provided such notice and (ii) to bind its assignees or transferees to agree to provide such notice as described in (a) and (b).

If, as described in Clause 6 of the IEEE-SA Standards Board Bylaws, the Submitter becomes aware of additional Patent Claims not already covered by an existing Letter of Assurance that are owned, controlled, or licensable by the Submitter that may be or become Essential Patent Claims with respect to the standard identified in C above, the Submitter agrees to submit a Letter of Assurance stating its position regarding enforcement or licensing of such Patent Claims.

Print name of authorized person: MICHELLE LEE
Title of authorized person: IP COUNSEL
Signature of authorized person: [Signature]
Date: JULY 31, 2007
Address: 195 The West Mall, 5th Floor, Toronto, Ontario, Canada M9C 5K1
Phone: 905-863-1148 E-mail: 905-863-1987

Note: This assurance applies from the date of the standard’s approval to the date of the standard’s withdrawal and is irrevocable upon acceptance by the IEEE-SA.

Letter of Assurance for Essential Patents

Appendix “A” Patent Information

Submitter: Nortel Networks Limited
Standard: IEEE 802.1Qay Standard (PBB-TE)
Title: “IEEE Standard for Local and Metropolitan Area Networks-Virtual Bridged Local Area Networks – Amendment: Provider Backbone Bridge Traffic Engineering (“PBB-TE”)

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