



UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

Mail Stop 4561

May 5, 2010

Richard N. Nottenburg
Chief Executive Officer
Sonus Networks, Inc.
7 Technology Park Drive
Westford, MA 01886

Re: Sonus Networks, Inc.
Preliminary Proxy Statement on Schedule 14A
Filed April 27, 2010
File No. 001-34115

Dear Mr. Nottenburg:

This is to advise you that we have limited our review of your filing to the matters addressed in the comments below. After reviewing your response, we may or may not raise additional comments.

Please understand that the purpose of our review process is to assist you in your compliance with the applicable disclosure requirements and to enhance the overall disclosure in your filings. We look forward to working with you in these respects. We welcome any questions you may have about our comments or any other aspect of our review. Feel free to call us at the telephone numbers listed at the end of this letter.

Proposal 3, page 17

1. We note your statement that you require additional shares under the 2007 Plan to meet anticipated hiring and retention needs and to motivate executives and employees. Please disclose whether you have present plans to make any specific grants under your 2007 Plan. If you do have the present intention to make any specific grants, revise your disclosure to provide the information required by Items 10(a)(2) and 10(b)(2) of Schedule 14A.

* * * *

As appropriate, please amend your filings and respond to these comments within 10 business days. You should provide us with marked copies of the amendment to expedite our review. Please furnish a cover letter with your amendment that keys your responses to our comments and provides any requested supplemental information. Detailed cover letters greatly facilitate our review. Please understand that we may have

additional comments after reviewing your amendments and responses to our comments.

We urge all persons who are responsible for the accuracy and adequacy of the disclosure in the filing to be certain that the filing includes all information required under the Exchange Act and that they have provided all information investors require for an informed investment decision. Since the company and its management are in possession of all facts relating to a company's disclosure, they are responsible for the accuracy and adequacy of the disclosures they have made.

In connection with responding to our comments, please provide, in writing, a statement from the company acknowledging that:

- the company is responsible for the adequacy and accuracy of the disclosure in the filing;
- staff comments or changes to disclosure in response to staff comments do not foreclose the Commission from taking any action with respect to the filing; and
- the company may not assert staff comments as a defense in any proceeding initiated by the Commission or any person under the federal securities laws of the United States.

In addition, please be advised that the Division of Enforcement has access to all information you provide to the staff of the Division of Corporation Finance in connection with our review of your filing or in response to our comments on your filing.

Please direct any questions or comments to Michael F. Johnson, Attorney-Advisor, at (202) 551-3477 or to the undersigned at (202) 551-3457. You may also contact the Assistant Director, Barbara C. Jacobs, if you thereafter have any other questions.

Sincerely,

Maryse Mills-Apenteng
Special Counsel