

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

**FORM 12b-25**

NOTIFICATION OF LATE FILING

(Check one):     Form 10-K                       Form 20-F                       Form 11-K                       Form 10-Q                       Form 10-D  
                     Form N-SAR                       Form N-CSR

For Period Ended:                      March 31, 2007

Transition Report on Form 10-K  
 Transition Report on Form 20-F  
 Transition Report on Form 11-K  
 Transition Report on Form 10-Q  
 Transition Report on Form N-SAR  
For the Transition Period Ended: \_\_\_\_\_

*Read Instructions (on back page) Before Preparing Form. Please Print or Type.*

**Nothing in this form shall be construed to imply that the Commission has verified any information contained herein.**

If the notification relates to a portion of the filing checked above, identify the Item(s) to which the notification relates:

\_\_\_\_\_

**PART I — REGISTRANT INFORMATION**

**Sonus Networks, Inc.**

Full Name of Registrant

\_\_\_\_\_

Former Name if Applicable

\_\_\_\_\_

**7 Technology Park Drive**

Address of Principal Executive Office (*Street and Number*)

\_\_\_\_\_

**Westford, Massachusetts 01886**

City, State and Zip Code

\_\_\_\_\_

**PART II — RULES 12b-25(b) AND (c)**

If the subject report could not be filed without unreasonable effort or expense and the registrant seeks relief pursuant to Rule 12b-25(b), the following should be completed. (Check box if appropriate)

- (a) The reason described in reasonable detail in Part III of this form could not be eliminated without unreasonable effort or expense
- (b) The subject annual report, semi-annual report, transition report on Form 10-K, Form 20-F, Form 11-K, Form N-SAR or Form N-CSR, or portion thereof, will be filed on or before the fifteenth calendar day following the prescribed due date; or the subject quarterly report or transition report on Form 10-Q or subject distribution report on Form 10-D, or portion thereof, will be filed on or before the fifth calendar day following the prescribed due date; and
- (c) The accountant's statement or other exhibit required by Rule 12b-25(c) has been attached if applicable.

**PART III — NARRATIVE**

State below in reasonable detail why Forms 10-K, 20-F, 11-K, 10-Q, 10-D, N-SAR, N-CSR, or the transition report or portion thereof, could not be filed within the prescribed time period.

The delay in the filing of the Registrant's report on Form 10-Q for the period ended March 31, 2007 is a result of the Registrant's voluntary review of its historical stock option grant practices. At this time, the Registrant has completed its review of historical grant practices and has concluded that the appropriate measurement dates for financial accounting purposes of certain stock option grants differ from the recorded grant dates of those awards. Although the Registrant has not yet completed its evaluation of the accounting impact resulting from the change in measurement dates, the Registrant's Audit Committee, in consultation with Registrant's management and its advisors, has concluded that the Registrant will restate certain historical financial statements to record additional stock-based compensation expense, related tax impacts and the correction of any other previously unrecorded adjustments previously determined to be immaterial. The Registrant has not yet determined the amounts of the adjustments for the periods that will require restatement or the amounts of adjustments that will impact the Registrant's financial statements as of and for the quarter ended March 31, 2007. Accordingly, the Registrant's March 31, 2007 financial statements cannot yet be completed.

**PART IV — OTHER INFORMATION**

(1) Name and telephone number of person to contact in regard to this notification  
Charles Gray (978) 614-8505  
(Name) (Area Code) (Telephone Number)

(2) Have all other periodic reports required under Section 13 or 15(d) of the Securities Exchange Act of 1934 or Section 30 of the Investment Company Act of 1940 during the preceding 12 months or for such shorter period that the registrant was required to file such report(s) been filed? If answer is no, identify report(s).

The Registrant has not filed its Form 10-Q for the period ended June 30, 2006, Form 10-Q for the period ended September 30, 2006 and Form 10-K for the period ended December 31, 2006.

Yes  No

(3) Is it anticipated that any significant change in results of operations from the corresponding period for the last fiscal year will be reflected by the earnings statements to be included in the subject report or portion thereof?

Yes  No

If so, attach an explanation of the anticipated change, both narratively and quantitatively, and, if appropriate, state the reasons why a reasonable estimate of the results cannot be made.

Until the Registrant completes the evaluation of the accounting impact resulting from the change in measurement dates for certain stock option grants, the Registrant is unable to complete its accounting for the quarter ended March 31, 2007. However, subject to completion of its quarterly review, the Registrant anticipates that the total revenues for the quarter ended March 31, 2007 will increase significantly from the total revenues for the quarter ended March 31, 2006. Excluding any stock-based compensation expense that may arise from the change in measurement dates for certain option grants, non-GAAP net income for the quarter ended March 31, 2007 is expected to decrease from non-GAAP net income for the quarter ended March 31, 2006.

Sonus Networks, Inc.  
(Name of Registrant as Specified in Charter)

has caused this notification to be signed on its behalf by the undersigned hereunto duly authorized.

Date May 9, 2007 By /s/ Ellen B. Richstone  
Ellen B. Richstone  
Chief Financial Officer

INSTRUCTION: The form may be signed by an executive officer of the registrant or by any other duly authorized representative. The name and title of the person signing the form shall be typed or printed beneath the signature. If the statement is signed on behalf of the registrant by an authorized representative (other than an executive officer), evidence of the representative's authority to sign on behalf of the registrant shall be filed with the form.

**ATTENTION**

**Intentional misstatements or omissions of fact constitute Federal Criminal Violations (See 18 U.S.C. 1001).**