

PART III — NARRATIVE

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

Aerosonic Corporation (the “Registrant”) requires additional time to prepare and file its Quarterly Report on Form 10-Q for the quarter ended July 27, 2007 (the “10-Q”) because the Registrant and its independent registered public accounting firm are still in the process of completing their review of the financial statements as of July 27, 2007 and are not able to finish such process in a manner to allow the timely filing of the 10-Q without unreasonable effort or expense.

PART IV — OTHER INFORMATION

(1) Name and telephone number of person to contact in regard to this notification

David A. Baldini	(727)	461-3000
(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) 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 results cannot be made.

Aerosonic Corporation

(Name of Registrant as Specified in Charter)

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

Date September 10, 2007

By: /s/ David A. Baldini
 David A. Baldini, Chairman of the Board,
 President and Chief Executive Officer