

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

FORM 12b-25

NOTIFICATION OF LATE FILING

Commission File Number: 1-12471

(Check One):

Form N-SAR Form N-CSR

Form 10-K Form 20-F Form 11-K Form 10-Q Form 10-D

For period ended: June 30, 2008

- | | |
|---|--|
| <input type="radio"/> Transition Report on Form 10-K | <input type="radio"/> Transition Report on Form 20-F |
| <input type="radio"/> Transition Report on Form 11-K | <input type="radio"/> Transition Report on Form 10-Q |
| <input type="radio"/> Transition Report on Form N-SAR | |

For the transition period ended:

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: Not applicable

**PART I
REGISTRANT INFORMATION**

Full Name of Registrant: **Integrated Surgical Systems, Inc.**

Former Name if Applicable: Not Applicable

Address of Principal Executive Office (Street and Number): 401 Wilshire Boulevard, Suite 1020

City, State and Zip Code: Santa Monica, California 90401

**PART II
RULE 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).

- x
- (a) The reasons 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.
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**PART III
NARRATIVE**

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

(Attach extra Sheets if Needed)

The Registrant is unable to timely file its Quarterly Report on Form 10-Q for the fiscal quarter ended June 30, 2008 without unreasonable effort or expense as a result of the additional time required by the transition to the Registrant's new certified public accounting firm.

**PART IV
OTHER INFORMATION**

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

Michael J. Tomczak
(Name)

(530)
(Area Code)

313-7990
(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 the results cannot be made.

See attachment.

Integrated Surgical Systems, Inc. has caused this notification to be signed on its behalf by the undersigned thereunto duly authorized.

Date: August 14, 2008

Integrated Surgical Systems, Inc.

By: /s/ Christopher A. Marlett
Christopher A. Marlett,
Chief Executive Officer

Part IV - Other Information, Item (3)
