

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

FORM 12b-25  
NOTIFICATION OF LATE FILING

SEC FILE NUMBER: 1-12471  
CUSIP NUMBER: [458124 10 8]

Form 10-K     Form 20-F     Form 11-K     Form 10-Q     Form N-SAR  
                   Form N-CSR

For Period Ended: December 31, 2006

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:

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: 1433 N. Market Blvd. Suite 1,  
Sacramento, CA 95834

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.

- (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.

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.

On June 2, 2005, the Registrant terminated all employees and ceased  
operations. On September 20, 2006, the Company resumed operations with a  
limited staff and requires the extension to complete the required filing.  
For such reasons, the subject Form 10-KSB could not be provided within the  
prescribed time period without unreasonable effort or expense.

PART IV - OTHER INFORMATION

- (1) Name and telephone number of person to contact in regard to this  
notification: Charles J. Novak, Vice President of Finance & Administration  
(916) 285-9943
- (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 the answer is

no, identify report(s).

Yes  No, reports to be filed are:

Form 10-QSB for quarter ending March 31, 2005  
Form 10-QSB for quarter ending June 30, 2005  
Form 10-QSB for quarter ending September 30, 2005  
Form 10-KSB for year ending December 31, 2005  
Form 10-QSB for quarter ending March 31, 2006  
Form 10-QSB for quarter ending June 30, 2006  
Form 10-QSB for quarter ending September 30, 2006

- (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.

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

Date: March 30, 2007

Integrated Surgical Systems, Inc.

By: /s/ Ramesh Trivedi

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Ramesh Trivedi, President/CEO