

UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, DC 20549

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of The Securities Exchange Act of 1934

Date of report (Date of earliest event reported): February 9, 2005

Integrated Surgical Systems, Inc.

(Exact name of registrant as specified in charter)

Delaware

(State or other jurisdiction
of incorporation)

1-12471

(Commission
File Number)

68-0232575

(IRS Employer
Identification No.)

1850 Research Park Drive
Davis, California

(Address of principal executive offices)

95616-4884

(Zip Code)

Registrant's telephone number, including area code: (530) 792-2600

Not Applicable

(Former name or former address, if changed since last report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions: Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425) Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12) Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b)) Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 8. Other Events.

On February 9, 2005, we, Integrated Surgical Systems, Inc., reached an agreement with the holder of our 6-3/4% Convertible Debenture which we issued on June 9, 2004. This agreement provides that (a) the "conversion price" set forth in section 3.1(a) of the debenture be amended to be the lesser of: (i) \$0.025 or (ii) 75% of the average of the five lowest volume weighted average prices during the twenty days prior to the holder's election to convert the amount outstanding under the debenture; and (b) the date by which we are required to cause a registration statement to be declared effective by the Securities and Exchange Commission, with respect to the shares issuable upon conversion of the debenture and exercise of the warrants issued together with the debenture, be extended to April 30, 2005.

The conversion price originally was set at the lesser of: (i) \$0.025 or (ii) 80% of the average of the five lowest volume weighted average prices during the twenty days prior to the holder's election to convert the amount outstanding under the debenture. Further, the original terms of the debenture and warrants required that the registration statement for the underlying shares be declared effective by the SEC by November 6, 2004.

The debenture was attached as exhibit 10.1 to our Quarterly Report on Form 10-QSB for the quarter ended June 30, 2004, filed with the SEC on November 24, 2004. The warrant certificate evidencing the warrants was attached as exhibit 10.2 to such Form 10-QSB.

Item 9.01. Financial Statements and Exhibits.

Set forth below are all exhibits applicable to this Current Report on Form 8-K.

Exhibit Number	Description
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10.1 Addendum to Convertible Debenture and Warrant to Purchase Common Stock,
dated February 9, 2005, between Integrated Surgical Systems, Inc.
and Golden Gate Investors, Inc.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Integrated Surgical Systems, Inc.

Dated: February 15, 2005

By: /s/ RAMISH TRIVEDI

Ramesh Trivedi, Chief Executive Officer

ADDENDUM TO CONVERTIBLE DEBENTURE AND
WARRANT TO PURCHASE COMMON STOCK

This addendum to Convertible Debenture and Warrant to Purchase Common Stock ("Addendum") is entered into as of the 9th day of February 2005 by and between Integrated Surgical Systems, Inc., a Delaware corporation ("Integrated"), and Golden Gate Investors, Inc., a California corporation ("GGI").

WHEREAS, GGI and Integrated are parties to that certain 6 3/4% Convertible Debenture dated as of June 9, 2004 ("Debenture"); and

WHEREAS, GGI and Integrated are parties to that certain Warrant to Purchase Common Stock dated June 9, 2004 ("Warrant"); and

WHEREAS, the parties desire to amend the Debenture and Warrant in certain respects.

NOW, THEREFORE, in consideration of the mutual promises and covenants contained herein, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Integrated and GGI agree as follows:

1. All terms used herein and not otherwise defined herein shall have the definitions set forth in the debenture.
2. The Deadline is hereby changed to be April 30, 2005.
3. The Conversion Price set forth in section 3.1(a) of the Debenture is hereby changed to be the lesser of: (i) \$0.25, or (ii) seventy-five percent (75%) of the average of the five lowest Volume Weighted Average Prices during the 20 Trading Days prior to GGI's election to convert (a "Discount Multiplier").
4. Except as specifically amended herein, all other terms and conditions of the Debenture and Warrant shall remain in full force and effect.

IN WITNESS WHEREOF, Integrated and GGI have caused this Addendum to be signed by its duly authorized officers on the date first set forth above.

Integrated Surgical Systems, Inc.
/s/ RAMESH TRIVEDI

Ramesh Trivedi
President/CEO

Golden Gate Investors, Inc.
/s/ TRAVIS HUFF

Travis Huff
Portfolio Manager