SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

FORM 8-K

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

Date of Report: January 31, 2008 (Date of earliest event reported)

INTUITIVE SURGICAL, INC.

(exact name of registrant as specified in its charter)

Delaware (State or other jurisdiction of incorporation or organization)

000-30713 Commission File Number 77-0416458 (I.R.S. Employer Identification No.)

950 Kifer Road Sunnyvale, California 94086 (Address of Principal executive offices, including zip code)

(408) 523-2100

(Registrant's telephone number, including area code)

neck 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 2.02. Results of Operations and Financial Condition.

On January 31, 2008, Intuitive Surgical, Inc. ("Intuitive") issued a press release announcing its financial results for the quarter ended December 31, 2007. A copy of the press release is attached hereto as Exhibit 99.1.

The information in this Current Report, including Exhibit 99.1, shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934 (the "Exchange Act") or otherwise subject to the liabilities under that Section and shall not be deemed to be incorporated by reference into any filing of Intuitive under the Securities Act of 1933 or the Exchange Act.

Item 9.01. Financial Statements and Exhibits.

d) Exhibits.

The following exhibit is furnished with this report on Form 8-K:

99.1 Press release issued by Intuitive Surgical, January 31, 2008.

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.

Date: January 31, 2008

INTUITIVE SURGICAL, INC.

By /s/ Marshall L. Mohr

Name: Marshall L. Mohr

Title: Senior Vice President and Chief Financial Officer

EXHIBIT INDEX

Exhibit No. Description

99.1 Press Release issued by Intuitive Surgical, January 31, 2008

FOR IMMEDIATE RELEASE

Contacts:

Ben Gong Sarah Norton 408-523-2175 408-523-2446

INTUITIVE SURGICAL ANNOUNCES \$189.4 MILLION FOURTH QUARTER REVENUE, UP 68%

SUNNYVALE, CALIF. January 31, 2008 – Intuitive Surgical, Inc. (NASDAQ: ISRG), the industry leader in surgical robotics, today reported fourth quarter 2007 revenue of \$189.4 million, increasing 68% from \$112.6 million for the fourth quarter of 2006. Fourth quarter 2007 revenue growth was driven by continued robotic procedure adoption and higher *da Vinci* [®] Surgical System sales.

Fourth quarter 2007 instruments and accessories revenue increased 68% to \$56.1 million from \$33.3 million during the fourth quarter of 2006. Fourth quarter 2007 *da Vinci* [®] Surgical Systems revenue increased 73% to \$108.6 million from \$63.0 million during the fourth quarter of 2006. Fourth quarter 2007 service and training revenue increased 52% to \$24.7 million from \$16.3 million during the fourth quarter of 2006.

Revenue for the year ended December 31, 2007 totaled \$600.8 million, increasing 61% from \$372.7 million for the year ended December 31, 2006.

	Three Months Ended		Twelve Months Ended			
]	December 31,		December 31,		
Revenue (\$ Millions)	2007	2006	Increase	2007	2006	Increase
Instruments/Accessories	\$ 56.1	\$ 33.3	\$ 22.8	\$191.7	\$ 111.7	\$ 80.0
Systems	108.6	63.0	45.6	324.4	205.9	118.5
Service/Training	24.7	16.3	8.4	84.7	55.1	29.6
	\$189.4	\$112.6	\$ 76.8	\$600.8	\$372.7	\$228.1

Fourth quarter 2007 operating income increased 107% to \$73.4 million, compared with \$35.4 million for the fourth quarter of 2006. Operating results for the fourth quarter of 2007 included \$10.1 million of stock-based compensation expense in accordance with the Financial Accounting Standards Board SFAS 123R, compared with \$6.8 million for the fourth quarter of 2006.

Fourth quarter 2007 net income increased 108% to \$49.2 million, compared with \$23.6 million for the fourth quarter of 2006. Diluted earnings per share increased to \$1.24 for the fourth quarter of 2007 from \$0.62 for the fourth quarter of 2006.

Net income for the year ended December 31, 2007 was \$144.5 million, or \$3.70 per diluted share, compared to net income of \$72.0 million, or \$1.89 per diluted share for the year ended December 31, 2006.

Intuitive ended the fourth quarter of 2007 with cash, cash equivalents and investments of \$635 million, up \$102 million from September 30, 2007 and \$305 million from December 31, 2006.

Commenting on the announcement, Lonnie Smith, Chairman and CEO of Intuitive Surgical, said, "We are pleased with our fourth quarter revenue, income, and cash flow growth. Robotic surgery momentum is strong as we continue to partner with our customers to deliver increasing patient value by improving surgical outcomes and reduced surgical trauma."

The Company will also announce these results at a conference call today at 1:30 pm PDT. The dial-in numbers for the call are 888-323-7915 for participants located in the U.S. and 210-839-8500 for participants located outside the U.S. The passcode is ISRG and the meeting leader is Ms. Sarah Norton. To access financial information that will be discussed on the call, please visit Intuitive Surgical's website at www.intuitivesurgical.com.

About Intuitive's Products:

The **da Vinci**® Surgical System consists of a surgeon's viewing and control console having an integrated, high-performance InSite® 3-D, high definition vision system, a patient-side cart consisting of three or four robotic arms that position and precisely maneuver endoscopic instruments and an endoscope, and a variety of articulating EndoWrist® Instruments. By integrating computer-enhanced technology with surgeons' technical skills, Intuitive believes that its system enables surgeons to perform better surgery in a manner never before experienced. The **da Vinci**® Surgical System seamlessly and directly translates the surgeon's natural hand, wrist and finger movements on instrument controls at the surgeon's console outside the patient's body into corresponding micro-movements of the instrument tips positioned inside the patient through small puncture incisions, or ports.

Intuitive®, da Vinci®, da Vinci® STM, InSite®, and EndoWrist® are trademarks or registered trademarks of Intuitive Surgical, Inc.

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This press release contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. These forward-looking statements are necessarily estimates reflecting the best judgment of our management and involve a number of risks and uncertainties that could cause actual results to differ materially from those suggested by the forward-looking statements. These forward-looking statements should, therefore, be considered in light of various important factors, including the following: timing and success of product development and market acceptance of developed products; regulatory approvals, clearances and restrictions; guidelines and recommendations in the health care and patient communities; intellectual property positions and litigation; competition in the medical device industry and in the specific markets of surgery in which Intuitive Surgical operates; and unanticipated manufacturing disruptions; delays in regulatory approvals of new manufacturing facilities or the inability to meet demand for products. Words such as "estimate", "project", "plan", "intend", "expect", "anticipate", "believe" and similar expressions are intended to identify forward-looking statements. You are cautioned not to place undue reliance on these forward-looking statements, which speak only as of the date of this press release. We undertake no obligation to publicly update or release any revisions to these forward-looking statements to reflect events or circumstances after the date of this press release or to reflect the occurrence of unanticipated events

INTUITIVE SURGICAL, INC. UNAUDITED CONSOLIDATED STATEMENTS OF INCOME (IN THOUSANDS, EXCEPT PER SHARE DATA)

		Three months ended			
	December 3 2007	31, September 30, 2007	December 31, 2006		
Revenue:					
Products	\$ 164,70)2 \$ 135,053	\$ 96,287		
Services	24,74	14 21,851	16,280		
Total revenue	189,44	156,904	112,567		
Cost of revenue:					
Products	42,58	38,305	29,161		
Services	11,65	59 10,129	8,461		
Total cost of revenue*	54,24	48,434	37,622		
Gross profit	135,20	00 108,470	74,945		
Operating expenses:					
Selling, general and administrative	45,69				
Research and development	16,12	24 14,319			
Total operating expenses*	61,81	18 54,482			
Income from operations	73,38	32 53,988	35,447		
Interest and other income, net	8,43	32 12,220	4,181		
Income before income taxes	81,83	14 66,208			
Provision for income taxes	32,66	50 25,289	15,987		
Net lncome	\$ 49,15	<u>\$ 40,919</u>	\$ 23,641		
Earnings per share:					
Basic	\$ 1.2	<u>\$ 1.08</u>	\$ 0.64		
Diluted	\$ 1.2	\$ 1.04	\$ 0.62		
Shares used in computing earnings per share:		_			
Basic	38,36	38,033	37,009		
Diluted	39,75	39,271	38,241		

^{*} Includes stock-based compensation expense of \$1.6 million, \$1.4 million and \$1.0 million in total cost of revenue and and \$8.5 million, \$7.3 million and \$5.8 million in total operating expenses for the three months ended December 31, 2007, September 30, 2007 and December 31, 2006, respectively.

INTUITIVE SURGICAL, INC. UNAUDITED CONSOLIDATED STATEMENTS OF INCOME (IN THOUSANDS, EXCEPT PER SHARE DATA)

	Year ended I	Year ended December 31,		
	2007	2006		
Revenue:				
Products	\$516,089	\$317,599		
Services	84,739	55,083		
Total revenue	600,828	372,682		
Cost of revenue:				
Products	145,654	97,615		
Services	40,888	27,231		
Total cost of revenue*	186,542	124,846		
Gross profit	414,286	247,836		
Operating expenses:				
Selling, general and administrative	158,685	110,703		
Research and development	48,859	29,778		
Total operating expenses*	207,544	140,481		
Income from operations	206,742	107,355		
Interest and other income, net	30,492	12,783		
Income before income taxes	237,234	120,138		
Provision for income taxes	92,697	48,094		
Net lncome	\$144,537	\$ 72,044		
Earnings per share:				
Basic	\$ 3.82	\$ 1.96		
Diluted	\$ 3.70	\$ 1.89		
Shares used in computing earnings per share:				
Basic	37,831	36,737		
Diluted	39,021	38,093		

^{*} Includes stock compensation expense of \$5.8 million and \$3.9 million in total cost of revenue and \$30.5 million and \$21.4 million in total operating expenses for the year ended December 31, 2007 and 2006, respectively.

INTUITIVE SURGICAL, INC. UNAUDITED CONDENSED CONSOLIDATED BALANCE SHEETS (IN THOUSANDS)

	12/31/2007	9/30/2007	12/31/2006
Cash, cash equivalents, and investments		\$ 533,489	\$ 330,296
Accounts receivable, net	130,370	120,456	94,680
Inventory	32,416	26,773	24,295
Property and equipment, net	68,093	64,153	59,939
Goodwill	110,740	112,170	118,240
Deferred tax assets	24,577	36,211	31,677
Other assets	38,421	18,995	12,663
Total assets	\$1,039,998	\$912,247	\$ 671,790
Accounts payable and other accrued liabilities	\$ 96,632	\$ 63,525	\$ 44,700
Deferred revenue		48,571	37,385
Total liabilities	151,324	112,096	82,085
Stockholders' equity	888,674	800,151	589,705
Total liabilities and stockholders' equity	\$1,039,998	\$912,247	\$ 671,790