

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

OMB APPROVAL

OMB Number: 3235-0287

Estimated average burden hours per response: 0.5

1. Name and Address of Reporting Person* <u>EDRICK ALAN I</u>			2. Issuer Name and Ticker or Trading Symbol <u>OSI SYSTEMS INC [ OSIS ]</u>		5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>CFO &amp; EVP</u>	
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) <u>03/17/2008</u>		6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person	
12525 CHADRON AVE			4. If Amendment, Date of Original Filed (Month/Day/Year)			
(Street) <u>HAWTHORNE CA 90250</u>						
(City) (State) (Zip)						

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Option to Purchase Common Stock	\$17.37	03/17/2008		A		2,873		07/25/2009 <sup>(1)</sup>	07/24/2011	Common Stock	2,873	\$17.37	122,666	D	
Option to Purchase Common Stock	\$17.37	03/17/2008		A		14,362		07/25/2009 <sup>(2)</sup>	07/24/2011	Common Stock	14,362	\$17.37	137,028	D	

Explanation of Responses:

1. This stock option results from the conversion of a stock option to purchase Rapiscan Systems Holdings, Inc. common stock that was originally granted to the reporting person in 2006. Rapiscan Systems Holdings, Inc. stock options have been converted to options in the issuer's stock. This option is currently vested as to 25% of the underlying shares. This option will be vested as to 50% of the underlying shares on July 25, 2008, and will be vested as to 100% of the underlying shares on July 25, 2009.

2. This stock option results from the conversion of a stock option to purchase Rapiscan Systems Holdings, Inc. common stock that was originally granted to the reporting person in 2006. This option is currently vested as to 25% of the underlying shares. This option will be vested as to 50% of the underlying shares on July 25, 2008, and will be vested as to 100% of the underlying shares on July 25, 2009.

/s/ Alan Edrick03/17/2008

\*\* Signature of Reporting PersonDate

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

\* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.