FORM 4

obligations may continue. See Instruction 1(b).

Check this box if no longer subject to Section 16. Form 4 or Form 5

1. Name and Address of Reporting Person*

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington D.C. 20549

wasnington,	D.C.	20549	

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL

OMB Number: 3235-0287
Estimated average burden
hours per response: 0.5

5. Relationship of Reporting Person(s) to Issuer

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

2. Issuer Name **and** Ticker or Trading Symbol

EDRICK ALAN I					<u> 08</u>	OSI SYSTEMS INC [OSIS]									04	ector cer (give title		Owner (specify	
(Last) (First) (Middle) 12525 CHADRON AVE					3. Date of Earliest Transaction (Month/Day/Year) 01/06/2010										Officer (give title Other (specify below) CFO & EVP				
(Street) HAWTH	ORNE CA						4. If Amendment, Date of Original Filed (Month/Day/Year)								ine) X Fo Fo	′			
		Tabl	e I - Non	-Deriv	ative	Sec	curitie	s Acc	quired,	Dis	posed o	f, or	Bene	efici	ally Owi	ed	4		
1. Title of Security (Instr. 3)			Date (Month/Day/Year) i		ar) E	2A. Deemed Execution Date, if any (Month/Day/Year)		Transaction Dis		Disposed	4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4 5)			nd Secu Ben	nount of irities eficially ed Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
							Code	v	Amount	() (I	A) or D)	Price	Tran	saction(s) r. 3 and 4)		(1113411 4)			
Common Stock				01/06	01/06/2010				A		870(1)) A \$		\$12	.21	38,990	D		
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)	Derivative Conversion Date Execution Decurity or Exercise (Month/Day/Year) if any		Date, y/Year)		Transaction Code (Instr. 8) of Derivativ Securitie Acquiret (A) or Dispose of (D) (Instr. 3, and 5)		ative rities ired osed . 3, 4	Care Exercisable and Expiration Date (Month/Day/Year) Date Exercisable Expiratio Date			7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4) Amoun or Number of Title Shares		ount nber	8. Price of Derivative Security (Instr. 5)		Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)		

Explanation of Responses:

 ${\bf 1.}~{\bf Acquired~pursuant~to~issuer's~Employee~Stock~Purchase~Plan}$

/s/ Alan Edrick

01/07/2010

** Signature of Reporting Person Date

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

- * 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.