

ENGINEERED SUPPORT SYSTEMS INC  
 Form 4  
 January 31, 2005

**FORM 4**

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

OMB APPROVAL

OMB Number: 3235-0287  
 Expires: January 31, 2005  
 Estimated average burden hours per response... 0.5

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

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
**WIMS EARL W**

2. Issuer Name and Ticker or Trading Symbol  
**ENGINEERED SUPPORT SYSTEMS INC [EASI]**

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction (Month/Day/Year)  
**01/28/2005**

Director  10% Owner  
 Officer (give title below)  Other (specify below)

**C/O ENGINEERED SUPPORT SYSTEMS INC, 201 EVANS LANE**

(Street)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)

Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

**ST LOUIS, MO 63121**

(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
Common Stock	01/28/2005		M			5,625	A	\$ 4.27	20,389	D	
Common Stock	01/28/2005		M			5,625	A	\$ 13.29	26,014	D	
Common Stock	01/28/2005		M			5,625	A	\$ 18.95	31,639	D	
Common Stock	01/28/2005		M			5,625	A	\$ 24.92	37,269	D	
Common Stock	01/28/2005		S			22,500	D	\$ 58.26	14,764	D	

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

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SEC 1474  
(9-02)

**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 (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Amount or Number of Shares
Option to purchase	\$ 4.27	01/28/2005		X	5,625	03/07/2000 03/06/2005	Common	5,625
Option to purchase	\$ 13.29	01/28/2005		X	5,625	03/06/2001 03/05/2006	Common	5,625
Option to purchase	\$ 18.95	01/28/2005		X	5,625	03/05/2002 03/04/2007	Common	5,625
Option to purchase	\$ 24.92	01/28/2005		X	5,625	03/04/2003 03/03/2008	Common	5,625

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other

WIMS EARL W  
C/O ENGINEERED SUPPORT SYSTEMS INC  
201 EVANS LANE  
ST LOUIS, MO 63121

X

## Signatures

/s/ Earl W.  
Wims 01/31/2005

\*\*Signature of Reporting Person

Date

## Explanation of Responses:

\* 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.

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