

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	
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1. Name and Address of Reporting Person* <u>MAHONEY RICHARD S.</u> (Last) (First) (Middle) 2600 ANSYS DR. (Street) CANONSBURG PA 15317 (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>ANSYS INC [ANSS]</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>VP, WORLDWIDE SALES & SUPPORT</u>
	3. Date of Earliest Transaction (Month/Day/Year) <u>12/30/2017</u>	
		6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person

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	12/30/2017		F		473 ⁽¹⁾	D	\$147.59	16,227 ⁽²⁾	D	
Common Stock ⁽³⁾	01/02/2018 ⁽³⁾		M		7,500 ⁽³⁾	A	\$92.49	23,727 ⁽²⁾	D	
Common Stock ⁽³⁾	01/02/2018 ⁽³⁾		S		7,500 ⁽³⁾	D	(4)	16,227 ⁽²⁾	D	
Common Stock ⁽³⁾	01/02/2018 ⁽³⁾		S		1,027 ⁽³⁾	D	\$148.15	15,200 ⁽²⁾	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)	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
Option To Purchase ⁽³⁾	\$92.49	01/02/2018 ⁽³⁾		M			7,500 ⁽³⁾	(5)	12/30/2026	Common Stock	7,500	\$0	22,500	D	

Explanation of Responses:

- These shares were retained by the Company in order to meet the tax withholding obligations of the Reporting Person in connection with the vesting of an installment of restricted stock units granted to the Reporting Person on December 30, 2016
- Includes 15,200 Restricted Stock Units.
- Pursuant to a 10b5-1 plan currently in place.
- The trade was executed in a series of transactions with a price range of \$147.12 to \$148.15, inclusive, with a weighted average price of \$147.528254. The reporting person undertakes to provide to ANSYS, Inc., any security holder of ANSYS, Inc., or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the ranges set forth in this footnote.
- The option grant of 30,000 shares granted on 12/30/2016 vests 25% annually in equal installments beginning on the first anniversary of the grant.

Remarks:

Janet Lee, Attorney-in-Fact 01/03/2018

** Signature of Reporting Person Date

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.