

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL	
OMB Number:	3235-0287
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).

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

1. Name and Address of Reporting Person* <u>STEWART WILLIAM D</u> (Last) (First) (Middle) <u>90 INDUSTRIAL WAY</u> (Street) <u>WILMINGTON MA 01887</u> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>MKS INSTRUMENTS INC [MKSI]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner X Officer (give title below) Other (specify below) <u>V.P. & General Manager</u>
	3. Date of Earliest Transaction (Month/Day/Year) <u>05/21/2007</u>	
4. If Amendment, Date of Original Filed (Month/Day/Year)		

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	05/21/2007		M		9,375	A	\$17.74	22,038	D	
Common	05/21/2007		M		1,875	A	\$14.72	23,913	D	
Common	05/21/2007		M		5,500	A	\$23.5	29,413	D	
Common	05/21/2007		M		6,300	A	\$24.5	35,713	D	
Common	05/21/2007		S		23,050	D	\$27.1	12,663	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
Stock Option (right to buy)	(1)	05/21/2007		M		9,375		08/08/1988 ⁽²⁾	08/08/1988 ⁽³⁾	Common	9,375	\$0	35,065	D	
Stock Option (right to buy)	(4)	05/21/2007		M		1,875		08/08/1988 ⁽²⁾	08/08/1988 ⁽³⁾	Common	1,875	\$0	33,190	D	
Stock Option (right to buy)	(5)	05/21/2007		M		5,500		08/08/1988 ⁽²⁾	08/08/1988 ⁽³⁾	Common	5,500	\$0	27,690	D	
Stock Option (right to buy)	(6)	05/21/2007		M		6,300		08/08/1988 ⁽²⁾	08/08/1988 ⁽³⁾	Common	6,300	\$0	21,390	D	

Explanation of Responses:

- Option conversion price is \$17.74 per share for option transactions reported on this filing.
- Stock Option Grants include multiple vest dates.
- Expires 10 years after date of grant
- Option conversion price is \$14.72 per share for option transactions reported on this filing.
- Option conversion price is \$23.50 per share for option transactions reported on this filing.
- Option conversion price is \$24.50 per share for option transactions reported on this filing.

By: Joseph M.Tocci / POA 05/22/2007

** 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.