Medidata Solutions, Inc. Form 4

June 26, 2013

FORM 4

Section 16.

Form 4 or

obligations

Form 5

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549 Check this box if no longer subject to

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 may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Last)

(City)

Common

Stock

(Print or Type Responses)

1. Name and Address of Reporting Person * Sherif Tarek

> (First) (Middle)

C/O MEDIDATA SOLUTIONS. INC., 79 FIFTH AVENUE, 8TH **FLOOR**

(Street)

(State)

06/24/2013

NEW YORK, NY 10003

2. Issuer Name and Ticker or Trading Symbol

Medidata Solutions, Inc. [MDSO]

3. Date of Earliest Transaction

(Month/Day/Year) 06/24/2013

4. If Amendment, Date Original

Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to

Issuer

(Check all applicable)

OMB APPROVAL

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

Estimated average

burden hours per

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

Chairman & CEO

6. Ownership 7. Nature of

Beneficial

Ownership

(Instr. 4)

Form: Direct Indirect

Applicable Line)

5. Amount of

Securities

Owned

Beneficially

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

(D) or

Indirect (I)

(Instr. 4)

6. Individual or Joint/Group Filing(Check

Person

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

1. Title of 2. Transaction Date 2A. Deemed 3. Security (Month/Day/Year) Execution Date, if (Instr. 3) Code (Month/Day/Year)

(Zip)

Transaction(A) or Disposed of (D) (Instr. 3, 4 and 5) (Instr. 8)

4. Securities Acquired

Following Reported (A) Price

Code V Amount (D) 4,536 F D (1) 72.25 Transaction(s) (Instr. 3 and 4)

529,275

D

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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

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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. Transactic Code (Instr. 8)	5. ionNumber of Derivativ Securities Acquired (A) or Disposed of (D)			Amor Unde Secur	tle and unt of erlying rities :. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Owne Follo Repo Trans (Instr
				Code V	(Instr. 3, 4, and 5)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		
Sherif Tarek C/O MEDIDATA SOLUTIONS, INC. 79 FIFTH AVENUE, 8TH FLOOR NEW YORK, NY 10003	X		Chairman & CEO			

Signatures

/s/ Michael I. Otner, Attorney-in-Fact 06/26/2013

**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).
- (1) Shares withheld by Medidata to satisfy the tax withholding obligation in connection with the vesting of previously awarded restricted stock.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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