STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

AGILENT TECHNOLOGIES INC

Form 4

November 21, 2014

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549 Check this box

OMB APPROVAL

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if no longer subject to Section 16. Form 4 or

SECURITIES Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations 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).

(Print or Type Responses)

1. Name and Address of Reporting Person ** Glaize Solange	2. Issuer Name and Ticker or Trading Symbol AGILENT TECHNOLOGIES INC [A]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)		
(Last) (First) (Middle) 5301 STEVENS CREEK BLVD	3. Date of Earliest Transaction (Month/Day/Year) 11/19/2014	Director 10% Owner X Officer (give title Other (specify below) VP, Chief Accounting Officer		
(Street) SANTA CLARA, CA 95051	4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person		

	ŕ						Person		
(City)	(State) (Z	Zip) Table	I - Non-Do	erivative :	Securi	ities Acq	quired, Disposed o	of, or Beneficial	ly 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. Securi on(A) or D (D) (Instr. 3,	ispose 4 and (A) or	d of	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)
Common Stock	11/19/2014		A	1,884 (1)	A	\$ 40.8	7,545.387 (2)	I	Family Trust
Common Stock	11/19/2014		F	709 (3)	D	\$ 40.8	6,836.387	I	Family Trust
Common Stock	11/19/2014		A	1,464 (4)	A	\$ 40.8	3,866.296 (5)	D	
Common Stock	11/19/2014		F	61 (6)	D	\$ 40.8	3,805.296	D	

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

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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. Transactio Code (Instr. 8)	5. Number of or Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	ative Expiration Date ities (Month/Day/Year) ired (A) sposed of		7. Title and Amount Underlying Securitic (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amou or Numb of Sha
Employee Stock Option (Right to Buy) (7)	\$ 40.8	11/19/2014		A	22,583	11/19/2015 <u>(8)</u>	11/18/2024	Common Stock	22,5

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Glaize Solange

5301 STEVENS CREEK BLVD VP, Chief Accounting Officer

SANTA CLARA, CA 95051

Signatures

/s/ P. Diana Chiu, attorney-in-fact for Ms.
Glaize

11/20/2014

**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) On November 19, 2014, pursuant to the Agilent Technologies, Inc. Long-Term Performance Program, 1,884 shares of common stock of Agilent Technologies, Inc. were awarded to the reporting person.
- (2) Includes shares of common stock underlying RSUs resulting from the adjustment of RSUs held prior to November 1, 2014, pursuant to the terms of an employee matters agreement between Agilent and Keysight Technologies, Inc., dated as of August 1, 2014.
- (3) The reporting person surrendered 709 shares to Agilent to satisfy tax liability on the release of her restricted shares in accordance with Rule 16b-3.

(4)

Reporting Owners 2

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On November 19, 2014, pursuant to the Agilent Technologies, Inc. Long-Term Performance Program, 1,464 shares of common stock of Agilent Technologies, Inc. were awarded to the reporting person. Under the Agilent Technologies, Inc. Deferred Compensation Plan, the reporting person has elected to defer 1,391 of such shares of common stock

- (5) 5.953 shares were acquired through the Agilent Technologies Dividend Reinvestment plan
- (6) The reporting person surrendered 61 shares to Agilent to satisfy tax liability on the release of her restricted shares in accordance with Rule 16b-3.
- (7) Right to buy Agilent Technologies, Inc. common stock granted under the Agilent Technologies, Inc. Stock Plan, in compliance with Rule 16b-3.
- (8) The option is exercisable in four equal annual installments beginning on the first anniversary of the date of the grant. The first vesting date is stated.

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.