

**FORM 4****UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

**OMB APPROVAL**

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**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

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

<b>1. Name and Address of Reporting Person*</b> <u>Shanmugaraj Murugesan</u>  (Last) (First) (Middle) <u>C/O ACACIA COMMUNICATIONS, INC.</u> <u>THREE MILL AND MAIN PLACE, SUITE 400</u>  (Street) <u>MAYNARD MA 01754</u>  (City) (State) (Zip)			<b>2. Issuer Name and Ticker or Trading Symbol</b> <u>Acacia Communications, Inc. [ ACIA ]</u>		<b>5. Relationship of Reporting Person(s) to Issuer</b> (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <b>President &amp; CEO</b>
<b>3. Date of Earliest Transaction (Month/Day/Year)</b> <u>01/05/2017</u>			<b>4. If Amendment, Date of Original Filed (Month/Day/Year)</b>		
			<b>6. Individual or Joint/Group Filing (Check Applicable Line)</b> <input checked="" type="checkbox"/> Form filed by One Reporting Person 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 <sup>(1)</sup>	01/05/2017		S		7,224	D	\$60.9267 <sup>(2)</sup>	747,241 <sup>(3)</sup>	D	
Common Stock <sup>(1)</sup>	01/05/2017		S		1,318	D	\$61.9288 <sup>(4)</sup>	745,699 <sup>(3)</sup>	D	
Common Stock <sup>(1)</sup>	01/05/2017		S		58	D	\$62.72	745,641 <sup>(3)</sup>	D	
Common Stock <sup>(1)</sup>	01/05/2017		S		2,688	D	\$60.9267 <sup>(2)</sup>	182,649	I	By The Malini Shanmugaraj 2016 QTIP Trust
Common Stock <sup>(1)</sup>	01/05/2017		S		491	D	\$61.9288 <sup>(4)</sup>	182,158	I	By The Malini Shanmugaraj 2016 QTIP Trust
Common Stock <sup>(1)</sup>	01/05/2017		S		21	D	\$62.72	182,137	I	By The Malini Shanmugaraj 2016 QTIP Trust
Common Stock <sup>(1)</sup>	01/05/2017		S		2,688	D	\$60.9267 <sup>(2)</sup>	197,312	I	By The Shanmugaraj Irrevocable Children's Trust
Common Stock <sup>(1)</sup>	01/05/2017		S		491	D	\$61.9288 <sup>(4)</sup>	196,821	I	By The Shanmugaraj Irrevocable Children's Trust
Common Stock <sup>(1)</sup>	01/05/2017		S		21	D	\$62.72	196,800	I	By The Shanmugaraj Irrevocable Children's Trust
Common Stock <sup>(1)</sup>	01/06/2017		S		5,676	D	\$60.6976 <sup>(5)</sup>	739,965 <sup>(3)</sup>	D	
Common Stock <sup>(1)</sup>	01/06/2017		S		2,924	D	\$61.2822 <sup>(6)</sup>	737,041 <sup>(3)</sup>	D	

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 <sup>(1)</sup>	01/06/2017		S		2,112	D	\$60.6976 <sup>(5)</sup>	180,025	I	By The Malini Shanmugaraj 2016 QTIP Trust
Common Stock <sup>(1)</sup>	01/06/2017		S		1,088	D	\$61.2822 <sup>(6)</sup>	178,937	I	By The Malini Shanmugaraj 2016 QTIP Trust
Common Stock <sup>(1)</sup>	01/06/2017		S		2,112	D	\$60.6976 <sup>(5)</sup>	194,688	I	By The Shanmugaraj Irrevocable Children's Trust
Common Stock <sup>(1)</sup>	01/06/2017		S		1,088	D	\$61.2822 <sup>(6)</sup>	193,600	I	By The Shanmugaraj Irrevocable Children's Trust

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					

**Explanation of Responses:**

1. This transaction was made pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on August 31, 2016.
2. This transaction was executed in multiple trades at prices ranging from \$60.50 to \$61.45; the price reported above reflects the weighted average sale price. The reporting person hereby undertakes to provide full information regarding the number of shares and prices at which the transactions were effected upon request to the SEC staff, the registrant, or a security holder of the registrant.
3. Includes 127,076 restricted stock units ("RSUs"). Each RSU represents the right to receive one share of common stock upon vesting.
4. This transaction was executed in multiple trades at prices ranging from \$61.50 to \$62.33; the price reported above reflects the weighted average sale price. The reporting person hereby undertakes to provide full information regarding the number of shares and prices at which the transactions were effected upon request to the SEC staff, the registrant, or a security holder of the registrant.
5. This transaction was executed in multiple trades at prices ranging from \$60.01 to \$61.00; the price reported above reflects the weighted average sale price. The reporting person hereby undertakes to provide full information regarding the number of shares and prices at which the transactions were effected upon request to the SEC staff, the registrant, or a security holder of the registrant.
6. This transaction was executed in multiple trades at prices ranging from \$61.01 to \$61.71; the price reported above reflects the weighted average sale price. The reporting person hereby undertakes to provide full information regarding the number of shares and prices at which the transactions were effected upon request to the SEC staff, the registrant, or a security holder of the registrant.

**Remarks:**

/s/ Janene I. Asgeirsson,  
attorney-in-fact 01/09/2017

\*\* 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.