

| OMB APPROVAL                                    |           |
|---|-----------|
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**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

|  |  |  |
|--|--|--|
| 1. Name and Address of Reporting Person*<br><u>Shanmugaraj Murugesan</u><br><br>(Last) (First) (Middle)<br>C/O ACACIA COMMUNICATIONS, INC.<br>THREE MILL AND MAIN PLACE, SUITE 400<br><br>(Street)<br>MAYNARD MA 01754<br><br>(City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol<br><u>Acacia Communications, Inc. [ ACIA ]</u> | 5. Relationship of Reporting Person(s) to Issuer<br>(Check all applicable)<br><br><input checked="" type="checkbox"/> Director 10% Owner<br><br><input checked="" type="checkbox"/> Officer (give title below) Other (specify below)<br><b>President &amp; CEO</b> |
|  | 3. Date of Earliest Transaction (Month/Day/Year)<br>03/11/2019                             |  |
| 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 Stock <sup>(1)</sup>     | 03/11/2019                           |  | S                              |   | 10,700  | D          | \$53.1874 <sup>(2)</sup> | 743,806 <sup>(3)</sup>  | D  |   |
| Common Stock <sup>(1)</sup>     | 03/11/2019                           |  | S                              |   | 2,200   | D          | \$53.8321 <sup>(4)</sup> | 741,606 <sup>(3)</sup>  | D  |   |
| Common Stock <sup>(5)</sup>     | 03/11/2019                           |  | S                              |   | 3,450   | D          | \$53.2141 <sup>(2)</sup> | 175,510   | I  | By The Shanmugaraj Irrevocable Children's Trust       |
| Common Stock <sup>(5)</sup>     | 03/11/2019                           |  | S                              |   | 850   | D          | \$53.8179 <sup>(4)</sup> | 174,660   | I  | By The Shanmugaraj Irrevocable Children's Trust       |
| Common Stock <sup>(6)</sup>     | 03/11/2019                           |  | S                              |   | 3,450   | D          | \$53.2141 <sup>(2)</sup> | 160,847   | I  | By The Malini Shanmugaraj 2016 QTIP Trust             |
| Common Stock <sup>(6)</sup>     | 03/11/2019                           |  | S                              |   | 850   | D          | \$53.8179 <sup>(4)</sup> | 159,997   | I  | By The Malini Shanmugaraj 2016 QTIP Trust             |
| Common Stock <sup>(1)</sup>     | 03/12/2019                           |  | S                              |   | 12,200  | D          | \$53.9826 <sup>(7)</sup> | 729,406 <sup>(3)</sup>  | D  |   |
| Common Stock <sup>(1)</sup>     | 03/12/2019                           |  | S                              |   | 3,700   | D          | \$54.5076 <sup>(8)</sup> | 725,706 <sup>(3)</sup>  | D  |   |
| Common Stock <sup>(5)</sup>     | 03/12/2019                           |  | S                              |   | 4,067   | D          | \$53.9918 <sup>(7)</sup> | 170,593   | I  | By The Shanmugaraj Irrevocable Children's Trust       |
| Common Stock <sup>(5)</sup>     | 03/12/2019                           |  | S                              |   | 1,233   | D          | \$54.5275 <sup>(8)</sup> | 169,360   | I  | By The Shanmugaraj Irrevocable Children's Trust       |

**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>(6)</sup>     | 03/12/2019                           |  | S                              |   | 4,067   | D          | \$53.9918 <sup>(7)</sup> | 155,930   | I  | By The Malini Shanmugaraj 2016 QTIP Trust             |
| Common Stock <sup>(6)</sup>     | 03/12/2019                           |  | S                              |   | 1,233   | D          | \$54.5275 <sup>(8)</sup> | 154,697   | I  | By The Malini Shanmugaraj 2016 QTIP 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 |  | Date Exercisable   | Expiration Date |   |  |  |   |  |

**Explanation of Responses:**

- This transaction was made pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on November 26, 2018.
- This transaction was executed in multiple trades at prices ranging from \$52.66 to \$53.59, inclusive; 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.
- Includes 121,857 restricted stock units ("RSUs"). Each RSU represents the right to receive one share of common stock upon vesting.
- This transaction was executed in multiple trades at prices ranging from \$53.73 to \$54.03, inclusive; 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.
- This transaction was made pursuant to a Rule 10b5-1 trading plan adopted by the Shanmugaraj Irrevocable Children's Trust on November 26, 2018.
- This transaction was made pursuant to a Rule 10b5-1 trading plan adopted by the Malini Shanmugaraj 2016 QTIP Trust on November 26, 2018.
- This transaction was executed in multiple trades at prices ranging from \$53.30 to \$54.28, inclusive; 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.
- This transaction was executed in multiple trades at prices ranging from \$54.30 to \$54.67, inclusive; 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, 03/13/2019  
attorney-in-fact

\*\* 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.

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