FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

| OMB APPRO              | VAL       |
|------------------------|-----------|
| OMB Number:            | 3235-0287 |
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| 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*  Kirk Randall R. |   |  |   |         |   | 2. Issuer Name <b>and</b> Ticker or Trading Symbol Allison Transmission Holdings Inc [ ALSN ] |  |                                   |                  |                                     |  |                               |               |  |                              | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) |   |                                      |  |                                       |  |
|---|---|--|---|---------|---|---|--|-----------------------------------|------------------|-------------------------------------|--|-------------------------------|---------------|--|------------------------------|---|---|--------------------------------------|--|---------------------------------------|--|
| (Last)  |   | *  | (Middle)                                      |         |   | 3. Date of Earliest Transaction (Month/Day/Year) 03/05/2015                                   |  |                                   |                  |                                     |  |                               |               |  |                              | below   | r (give title<br>)  | g & I                                | 10% Ov<br>Other (s<br>below)<br>Prod Team                                | specify                               |  |
| (Street) INDIANAPOLIS IN 46222                            |   |  |   |         | 4. 1                                    | f Ame   | ndmei  | nt, Date                          | of O             | )riginal F                          | iled   | (Month/Da                     | Line          | Individual or Joint/Group Filing (Check Applicable Line)     X Form filed by One Reporting Person     Form filed by More than One Reporting Person |                              |   |   |                                      |  |                                       |  |
| (City)  | (Si   | •  | (Zip)   |         |   |   |  |                                   |                  | · · · · · · · · · · · ·             |  |                               |               |  | . 6: . : . 1                 |   |   |                                      |  |                                       |  |
| 1. Title of Security (Instr. 3)  2. Transa Date (Month/D  |   |  |   | saction | ar) it                                  | A. Dee  |  | 3.<br>Transaction<br>Code (Instr. |                  |                                     | 4. Securities Acquired (A)<br>Disposed Of (D) (Instr. 3, 4 |                               |               |  | 5. Amo<br>Securit<br>Benefic | unt of<br>ies<br>:ially<br>Following                                    | Forn<br>(D) o   | n: Direct<br>or Indirect<br>nstr. 4) | 7. Nature<br>of Indirect<br>Beneficial<br>Ownership                      |                                       |  |
|   |   |  |   |         |   | Code  | v  | Amount                            | (A<br>(D         | ) or<br>)                           | Price  | Report<br>Transa<br>(Instr. 3 | ction(s)      |  |                              | (Instr. 4)  |   |                                      |  |                                       |  |
| Common Stock 03   |   |  |   | 03/0    | 5/2015                                  | 5   |  |                                   |                  | M                                   |  | 1,500                         | 0 A \$        |  | \$8.4                        | 4 4   | 45,142  |                                      | D  |                                       |  |
| Common Stock 03/05  |   |  |   | 5/2015  | /2015                                   |   |  |                                   | S <sup>(1)</sup> |                                     | 1,500  | 1,500 D \$                    |               | \$31.2   | 4 4                          | 43,642  |   | D                                    |  |                                       |  |
|   |   | T  |   |         |   |   |  |                                   |                  |                                     |  | sed of,<br>onverti            |               |  |                              | Owned   |   |                                      |  |                                       |  |
| 1. Title of<br>Derivative<br>Security<br>(Instr. 3)       | 2.<br>Conversion<br>or Exercise<br>Price of<br>Derivative<br>Security | 3. Transaction<br>Date<br>(Month/Day/Year) | 3A. Deemi<br>Execution<br>if any<br>(Month/Da | Date,   | 4.<br>Transactior<br>Code (Instr.<br>8) |   | of<br>Deri<br>Sec<br>Acq<br>(A) (<br>Disp<br>of (I | oosed<br>D)<br>tr. 3, 4           | Exp              | Date Exel<br>piration I<br>onth/Day | Date   | Amount of                     |               | nt of<br>ties<br>ying<br>tive Se   |                              | 8. Price of<br>Derivative<br>Security<br>(Instr. 5)                     | 9. Number derivative Securities Beneficial Owned Following Reported Transactic (Instr. 4) | e<br>S<br>Illy                       | 10.<br>Ownership<br>Form:<br>Direct (D)<br>or Indirect<br>(I) (Instr. 4) | Beneficial<br>Ownership<br>(Instr. 4) |  |
|   |   |  |   |         | Code                                    | v   | (A)  | (D)                               | Dat<br>Exe       | te<br>ercisable                     |  | xpiration<br>ate              | Title         | O<br>N<br>O  | lumber                       |   |   |                                      |  |                                       |  |
| Employee<br>Stock<br>Option<br>(right to                  | \$8.44  | 03/05/2015                                 |   |         | M                                       |   |  | 1,500                             |                  | (2)                                 | 09   | 9/30/2017                     | Comm<br>Stock |  | 1,500                        | \$0   | 9,000   | )                                    | D  |                                       |  |

## Explanation of Responses:

- 1. The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan.
- $2.\ Option\ vested\ in\ three\ equal\ installments\ beginning\ August\ 7,\ 2008.$

## Remarks:

/s/Eric C. Scroggins, attorneyin-fact 03/09/2015

\*\* 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.