FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

| wasiiiigton, | D.C. | 20549 |  |
|--------------|------|-------|--|
|              |      |       |  |

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

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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 and Ticker or Trading Symbol Allison Transmission Holdings Inc [ ALSN ] |           |  |                     |   |              |  | heck all appl<br>Direct                | or  |   | 10% Ov                         | vner  |                                       |
|--|--|--------------------------------|----------------|-----------------|--|-----------|--|---------------------|---|--------------|--|--|---|---|--------------------------------|---|---------------------------------------|
| (Last) ONE AL  | (Fi  | *                              | (Middle)       |                 | 3. Date of Earliest Transaction (Month/Day/Year) 08/31/2020                            |           |  |                     |   |              |  | below                                  | r (give title<br>r)<br>P, Prod Eng &                    |   | Other (s<br>below)<br>Prog Mgm | ·   |                                       |
| (Street) INDIAN (City)   | APOLIS IN  |                                | 46222<br>(Zip) | 4.1             | f Ame  | ndment    | t, Date                                  | of Original F       | iled (M   | Month/D      | ay/Year)   | 6.<br>Lir                              | X Form  | filed by On   | ie Rep                         | g (Check Ap<br>orting Perso<br>n One Repo                         | n                                     |
| Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned |  |                                |                |                 |  |           |  |                     |   |              |  |  |   |   |                                |   |                                       |
| 1. Title of Security (Instr. 3)  2. Transa Date (Month/D                         |  |                                |                | Execution Date, |  | Code (Ins | Transaction Disposed Of (D) (Instr. 3, 4 |                     |   | Benefic      | es F<br>ally (I<br>Following (I  | Form<br>(D) o                          | Ownership<br>orm: Direct<br>) or Indirect<br>(Instr. 4) | 7. Nature<br>of Indirect<br>Beneficial<br>Ownership<br>(Instr. 4)   |                                |   |                                       |
|  |  |                                |                |                 |  | Code      | / A                                      | Amount              | (A) o<br>(D)  | Price        | Transac<br>(Instr. 3   | ction(s)                               |   |   | ,su. 4 <i>j</i>                |   |                                       |
|  | Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities) |                                |                |                 |  |           |  |                     |   |              |  |  |   |   |                                |   |                                       |
| 1. Title of<br>Derivative<br>Security<br>(Instr. 3)                              | 2.<br>Conversion<br>or Exercise<br>Price of<br>Derivative<br>Security  | n Date<br>e (Month/Day/Year) i | if any         | Code            | Transaction<br>Code (Instr.  |           | of Ex                                    |                     | . Date Exercisable and<br>xpiration Date<br>Month/Day/Year) |              | 7. Title and<br>Amount of<br>Securities<br>Underlying<br>Derivative Security<br>(Instr. 3 and 4) |  | 8. Price of<br>Derivative<br>Security<br>(Instr. 5)     | 9. Number of<br>derivative<br>Securities<br>Beneficially<br>Owned<br>Following<br>Reported<br>Transaction<br>(Instr. 4) | e<br>s<br>Illy                 | Ownership<br>Form:<br>Direct (D)<br>or Indirect<br>(I) (Instr. 4) | Beneficial<br>Ownership<br>(Instr. 4) |
|  |  |                                |                | Code            | v  | (A)       | (D)                                      | Date<br>Exercisable | Expi<br>Date  | iration<br>e | Title  | Amount<br>or<br>Number<br>of<br>Shares |   |   |                                |   |                                       |
| Dividend<br>Equivalent<br>Rights   | (1)  | 08/31/2020                     |                | A               |  | 54        |  | (1)                 |   | (1)          | Common<br>Stock  | 54                                     | \$0   | 318   |                                | D   |                                       |

## Explanation of Responses:

1. The dividend equivalent rights accrued on previously awarded restricted stock units ("RSUs") and vest proportionately with the RSUs to which they relate. Each dividend equivalent right is the economic equivalent of one share of Allison Transmission Holdings, Inc. common stock.

## Remarks:

/s/ Jacalyn C. Bolles, attorneyin-fact

09/02/2020

\*\* 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.