

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

| OMB APPROVAL | |
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| 1. Name and Address of Reporting Person* STAR JAMES A (Last) (First) (Middle) C/O ALLISON TRANSMISSION HOLDINGS INC ONE ALLISON WAY (Street) INDIANAPOLIS IN 46222 (City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol Allison Transmission Holdings Inc [ALSN] | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner Officer (give title below) Other (specify below) |
| | 3. Date of Earliest Transaction (Month/Day/Year) 05/10/2018 | |
| | 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 ⁽¹⁾ | 05/10/2018 | | A | | 446 | A | \$0 ⁽²⁾ | 22,638 | D | |
| Common Stock ⁽³⁾ | 05/10/2018 | | M | | 3,233 ⁽⁴⁾ | A | \$0 | 25,871 | D | |
| Common Stock | | | | | | | | 604,100 | I | By Areljay II LLC ⁽⁵⁾ |
| Common Stock | | | | | | | | 2,048,186 | I | By The Crown Fund ⁽⁵⁾ |
| Common Stock | | | | | | | | 993,361 | I | By The Crown Fund II ⁽⁵⁾ |
| Common Stock | | | | | | | | 19,900 | I | By HCNI II, LLC ⁽⁵⁾ |

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 | | | | | | Title |
| Restricted Stock Units | ⁽⁶⁾ | 05/10/2018 | | M | | 3,185 | | ⁽⁷⁾ | ⁽⁷⁾ | Common Stock | 3,185 | \$0 | 0 | D | |
| Dividend Equivalent Rights | ⁽⁸⁾ | 05/10/2018 | | M | | 48 | | ⁽⁹⁾ | ⁽⁸⁾⁽⁹⁾ | Common Stock | 48 | \$0 | 0 | D | |

Explanation of Responses:

- These shares represent a quarterly payment of the reporting person's annual retainer under the Allison Transmission Holdings, Inc. (the "Company") Third Amended and Restated Non-Employee Director Compensation Policy. The annual retainer is paid quarterly in arrears in cash or common stock at the reporting person's discretion.
- The number of shares of common stock received was calculated based on \$41.96, which was the closing price of the Company's Common Stock on the date of grant.
- Settlement of restricted stock units ("RSUs") and related dividend equivalents.
- Includes 48 dividend equivalents.
- These shares are held by the identified entities in which trusts established for the benefit of the reporting person's wife and children indirectly own interests. The reporting person is President and Chief Executive Officer of Longview Asset Management, LLC, which, by virtue of managing the investments of such entities, may be deemed to beneficially own the shares held by such entities. The reporting person disclaims beneficial ownership of the shares held by these entities except to the extent of his pecuniary interest therein, and the inclusion of these shares in this report shall not be deemed an admission of beneficial ownership of all the reported shares for purposes of Section 16 or for any other purpose.
- Each RSU represents a contingent right to receive one share of the Company's common stock.
- On May 12, 2017, the reporting person was granted 3,185 RSUs that vested on May 10, 2018.
- Each dividend equivalent rights is the economic equivalent of one share of the Company's common stock.

9. The dividend equivalent rights accrued on previously awarded RSUs and vested on May 10, 2018.

Remarks:

/s/ Eric C. Scroggins, attorney-
in-fact 05/14/2018

** 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.