

| 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

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

| | | |
|--|--|---|
| 1. Name and Address of Reporting Person* <u>Mende Hans J</u> (Last) (First) (Middle) <u>C/O AMCI ACQUISITION CORP. II</u> <u>600 STEAMBOAT ROAD</u> (Street) <u>GREENWICH CT 06830</u> (City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol <u>AMCI Acquisition Corp. II [AMCI]</u> | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>Chief Financial Officer</u> |
| | 3. Date of Earliest Transaction (Month/Day/Year) <u>09/17/2021</u> | |
| 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 Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|------------|-------|---|--|--|
| | | | Code | V | Amount | (A) or (D) | Price | | | |

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 | Amount or Number of Shares | | | | |
| Class B Common Stock | (1) | 09/17/2021 | | D ⁽¹⁾ | | | 224,105 | (2) | (2) | Class A Common Stock | 224,105 | \$0 | 1,390,895 | I | By AMCI Group, LLC Series 35 ⁽³⁾ |

Explanation of Responses:

- On September 17, 2021, AMCI Group, LLC Series 35 forfeited at no cost 224,105 shares of Class B common stock of the Issuer, which was exempted pursuant to Rule 16b-3(e) under the Securities Exchange Act of 1934, as amended (the "Exchange Act"), in connection with the election by the underwriters of the Issuer's initial public offering of units to not exercise an option granted to them to cover over-allotments.
- The shares of Class B common stock are convertible for shares of the Issuer's Class A common stock as described under the heading "Description of Securities" in the Issuer's Registration Statement on Form S-1 (File No. 333-253107) (the "Registration Statement") and have no expiration date.
- Held by AMCI Group, LLC Series 35. The Reporting Person has voting and investment discretion with respect to the common stock held of record by AMCI Group LLC, Series 35. The Reporting Person disclaims beneficial ownership of such shares except to the extent of his pecuniary interest therein.

/s/ Jordan Leon, as Attorney-in-Fact 09/17/2021

** 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.