

**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                                 |           |
|--|-----------|
| OMB Number:                                  | 3235-0287 |
| Estimated average burden hours per response: | 0.5       |

|   |   |   |
|---|---|---|
| 1. Name and Address of Reporting Person*<br><u>PETIT PARKER H</u><br><br>(Last) (First) (Middle)<br><u>C/O MIMEDX GROUP, INC.</u><br><u>1775 WEST OAK COMMONS CT., NE</u><br><br>(Street)<br><u>MARIETTA GA 30062</u><br><br>(City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol<br><u>MIMEDX GROUP, INC. [ MDXG ]</u> | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable)<br><input checked="" type="checkbox"/> Director 10% Owner<br><input checked="" type="checkbox"/> Officer (give title below) Other (specify below)<br><p style="text-align: center;"><b>Chairman &amp; CEO</b></p> |
|   | 3. Date of Earliest Transaction (Month/Day/Year)<br><u>08/04/2015</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 Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|------------|--------|---|--|---|
|                                 |                                      |  | Code                           | V | Amount  | (A) or (D) | Price  |   |  |   |
| Common Stock                    | 08/04/2015                           |  | M                              |   | 41,667  | A          | \$1.49 | 4,779,328 <sup>(1)</sup>  | D  |   |
| Common Stock                    | 08/04/2015                           |  | M                              |   | 35,568  | A          | \$1.35 | 4,814,896 <sup>(1)</sup>  | D  |   |
| Common Stock                    | 08/04/2015                           |  | M                              |   | 80,000  | A          | \$1.38 | 4,894,896 <sup>(1)</sup>  | D  |   |

**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 |
| Stock Option                               | \$1.49   | 08/04/2015                           |  | M                              |   | 41,667   |     | 01/05/2012 <sup>(2)</sup>                                | 01/04/2016      | Common Stock  | 41,667                                     | \$1.49   | 0   | D  |       |
| Stock Option                               | \$1.35   | 08/04/2015                           |  | M                              |   | 35,568   |     | 03/18/2012 <sup>(2)</sup>                                | 03/17/2016      | Common Stock  | 35,568                                     | \$1.35   | 0   | D  |       |
| Stock Option                               | \$1.38   | 08/04/2015                           |  | M                              |   | 80,000   |     | 02/23/2013 <sup>(2)</sup>                                | 02/22/2017      | Common Stock  | 80,000                                     | \$1.38   | 0   | D  |       |

**Explanation of Responses:**

- Mr. Petit also indirectly beneficially owns an aggregate of 1,350,000 shares held by six Grantor Retained Annuity Trusts (GRATs).
- Option vested in equal installments over three years from the date of the grant.

**Remarks:**

/s/ Michael J. Senken, by Power of Attorney 08/05/2015

\*\* 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.