

Rooke Andrew K. Jr.  
 Form 3  
 February 27, 2009

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

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**INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,  
 Section 17(a) of the Public Utility Holding Company Act of 1935 or Section  
 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

|   |         |                                      |  |  |
|---|---------|--------------------------------------|--|--|
| 1. Name and Address of Reporting Person * |         | 2. Date of Event Requiring Statement | 3. Issuer Name and Ticker or Trading Symbol      |  |
| Rooke Andrew K. Jr.                       |         | (Month/Day/Year)                     | MIMEDX GROUP, INC. [MDXG.OB]                     |  |
| (Last)                                    | (First) | (Middle)                             | 4. Relationship of Reporting Person(s) to Issuer | 5. If Amendment, Date Original Filed(Month/Day/Year)                   |
|   |         |                                      |  |  |
| 7029 SHEAFF LANE                          |         |                                      | (Check all applicable)                           |  |
| (Street)                                  |         |                                      | <input checked="" type="checkbox"/> Director     | 6. Individual or Joint/Group Filing(Check Applicable Line)             |
|   |         |                                      | <input type="checkbox"/> Officer                 | <input checked="" type="checkbox"/> Form filed by One Reporting Person |
|   |         |                                      | <input type="checkbox"/> 10% Owner               | <input type="checkbox"/> Form filed by More than One Reporting Person  |
|   |         |                                      | <input type="checkbox"/> Other                   |  |
|   |         |                                      | (give title below)                               | (specify below)  |
| FORT                                      |         |                                      |  |  |
| WASHINGTON, PA 19034                      |         |                                      |  |  |
| (City)                                    | (State) | (Zip)                                |  |  |

**Table I - Non-Derivative Securities Beneficially Owned**

| 1. Title of Security (Instr. 4) | 2. Amount of Securities Beneficially Owned (Instr. 4) | 3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 4. Nature of Indirect Beneficial Ownership (Instr. 5) |
|---------------------------------|---|--|---|
| Common Stock                    | 122,500   | D  |   |
| Common Stock                    | 840,004   | I  | By Rooke Asset Partners                               |

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

SEC 1473 (7-02)

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**Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

| 1. Title of Derivative Security (Instr. 4) | 2. Date Exercisable and Expiration Date (Month/Day/Year) | 3. Title and Amount of Securities Underlying Derivative Security (Instr. 4) | 4. Conversion or Exercise Price of Derivative | 5. Ownership Form of Derivative Security: | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
|--|--|---|---|---|---|
|--|--|---|---|---|---|

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| Date Exercisable | Expiration Date | Title | Amount or Number of Shares | Security | Direct (D) or Indirect (I) (Instr. 5) |
|------------------|-----------------|-------|----------------------------|----------|---------------------------------------|
|------------------|-----------------|-------|----------------------------|----------|---------------------------------------|

## Reporting Owners

| Reporting Owner Name / Address                                       | Relationships |           |         |       |
|--|---------------|-----------|---------|-------|
|  | Director      | 10% Owner | Officer | Other |
| Rooke Andrew K. Jr.<br>7029 SHEAFF LANE<br>FORT WASHINGTON, PA 19034 | X             |           |         |       |

## Signatures

/s/ V. Nicole Teal, pursuant to a POA filed  
herewith 02/26/2009

\_\_Signature of Reporting Person
Date

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, *see* Instruction 5(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. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.