

Brunette John S.  
 Form 3  
 September 30, 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 \*

Â Brunette John S.  
 (Last) (First) (Middle)

2. Date of Event Requiring Statement

(Month/Day/Year)  
 09/29/2009

3. Issuer Name and Ticker or Trading Symbol  
 Iridium Communications Inc. [IRDM]

4. Relationship of Reporting Person(s) to Issuer

5. If Amendment, Date Original Filed(Month/Day/Year)

C/O IRIDIUM COMMUNICATIONS INC.,Â 6707 DEMOCRACY BOULEVARD, SUITE 300  
 (Street)

(Check all applicable)

Director  10% Owner  
 Officer  Other  
 (give title below) (specify below)  
 Chief Legal & Admin Officer

BETHESDA,Â MDÂ 20817

(City) (State) (Zip)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

**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) |
|--------------------------------------|---|--|---|
| No securities are beneficially owned | 0   | D  | Â   |

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

SEC 1473 (7-02)

**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 control number.**

**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 | 4. Conversion or Exercise | 5. Ownership Form of | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
|--|--|--|---------------------------|----------------------|---|
|--|--|--|---------------------------|----------------------|---|

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| Date Exercisable | Expiration Date | Title | Amount or Number of Shares | Price of Derivative Security | Derivative Security: Direct (D) or Indirect (I) |
|------------------|-----------------|-------|----------------------------|------------------------------|---|
|                  |                 |       |                            |                              |   |

## Reporting Owners

| Reporting Owner Name / Address   | Relationships |           |  |       |
|--|---------------|-----------|--|-------|
|  | Director      | 10% Owner | Officer                                | Other |
| Brunette John S.<br>C/O IRIDIUM COMMUNICATIONS INC.<br>6707 DEMOCRACY BOULEVARD, SUITE 300<br>BETHESDA, MD 20817 | ^             | ^         | ^ Chief<br>Legal &<br>Admin<br>Officer | ^     |

## Signatures

/s/ Christi Novak,  
attorney-in-fact

09/30/2009

\_\_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).

^

### Remarks:

Exhibit List

Exhibit 24.1 - Power of Attorney

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.