IRIDIUM COMMUNICATIONS INC.

Reported by

THOMA DONALD LEE

FORM 3

(Initial Statement of Beneficial Ownership)

Filed 09/30/09 for the Period Ending 09/29/09

Address	6707 DEMOCRACY BOULEVARD SUITE 300 BETHESDA, MD 20817
Telephone	301-571-6200
CIK	0001418819
Symbol	IRDM
SIC Code	3669 - Communications Equipment, Not Elsewhere Classified
Fiscal Year	12/31

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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

1. Name and Address of Reporting Person *	2. Date of Event Requiring Statement (MM/DD/YYYY)	3. Issuer Name **and** Ticker or Trading Symbol
Thoma Donald Lee	**9/29/2009**	**Iridium Communications Inc. [IRDM]**
(Last) (First) (Middle) **C/O IRIDIUM COMMUNICATIONS INC., 6707 DEMOCRACY BOULEVARD, SUITE 300**	4. Relationship of Reporting Person(s) to Issuer (Check all applicable) _____ Director _____ 10% Owner ___ **X** ___ Officer (give title below) _____ Other (specify below) **EVP, Iridium Satellite LLC /**	
(Street) **BETHESDA, MD 20817** (City) (State) (Zip)	5. If Amendment, Date Original Filed (MM/DD/YYYY)	6. Individual or Joint/Group Filing (Check Applicable Line) _ **X** _ 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 benefically owned	**0**	**D**	

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

1. Title of Derivate Security (Instr. 4)	2. Date Exercisable and Expiration Date (MM/DD/YYYY)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			

Explanation of Responses:

Remarks:
Exhibit List
Exhibit 24.1 - Power of Attorney

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Thoma Donald Lee				

C/O IRIDIUM COMMUNICATIONS INC. 6707 DEMOCRACY BOULEVARD, SUITE 300 BETHESDA, MD 20817			**EVP, Iridium Satellite LLC**	

Signatures

/s/ Christi Novak, attorney-in-fact **9/30/2009**

** 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 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.

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.

POWER OF ATTORNEY (For Executing Form ID and Forms 3, 4 and 5)

Know all by these presents that the undersigned hereby constitutes and appoints each of John Brunette, Kathy Morgan, Christian O'Connor and Cynthia Cann of Iridium Communications Inc. (the "Company") and Brent Siler, Christi Novak, Mike Ensminger and Courtney Roche of Cooley Godward Kronish LLP, signing individually, the undersigned's true and lawful attorneys-in fact and agents to:

(1) Prepare, execute in the undersigned's name and on the undersigned's behalf, and submit to the Securities and Exchange Commission a Form ID, including amendments thereto, and any other documents necessary or appropriate to obtain codes and passwords enabling the undersigned to make electronic filings with the Securities and Exchange Commission of reports required by Section 16(a) of the Securities Exchange Act of 1934 or any rule or regulation thereunder;

(2) Prepare, execute in the undersigned's name and on the undersigned's behalf, and submit to the Securities and Exchange Commission Forms 3, 4 and 5 (including amendments thereto and joint filing agreements in connection therewith) in accordance with Section 16(a) of the Securities Exchange Act of 1934 and the rules thereunder;

(3) Do and perform any and all acts for and on behalf of the undersigned that may be necessary or desirable to prepare and execute any such Form 3, 4 or 5 (including amendments thereto and joint filing agreements in connection therewith) and file such Forms with the Securities and Exchange Commission and any stock exchange, self-regulatory association or any other authority; and

(4) Take any other action of any type whatsoever in connection with the foregoing that, in the opinion of such attorney-in-fact, may be of benefit to, in the best interest of, or legally required of the undersigned, it being understood that the documents executed by the attorney-in-fact on behalf of the undersigned pursuant to this Power of Attorney shall be in such form and shall contain such terms and conditions as the attorney-in-fact may approve in the attorney-in-fact's discretion.

The undersigned hereby grants to each such attorney in fact full power and authority to do and perform any and every act and thing whatsoever requisite, necessary, or proper to be done in the exercise of any of the rights and powers herein granted, as fully to all intents and purposes as the undersigned might or could do if personally present, with full power of substitution or revocation, hereby ratifying and confirming all that such attorney in fact, or such attorney in fact's substitute or substitutes, shall lawfully do or cause to be done by virtue of this power of attorney and the rights and powers herein granted. The undersigned acknowledges that the foregoing attorneys-in-fact, and their substitutes, in serving in such capacity at the request of the undersigned, are not assuming (nor is the Company assuming) any of the undersigned's responsibilities to comply with Section 16 of the Securities Exchange Act of 1934.

This Power of Attorney shall remain in full force and effect until the undersigned is no longer required to file Forms 3, 4 and 5 with respect to the undersigned's holdings of and transactions in securities issued by the Company, unless earlier revoked by the undersigned in a signed writing delivered to the Company and the attorneys-in fact. This Power of Attorney revokes any other power of attorney that the undersigned has previously granted to representatives of the Company and Cooley Godward Kronish LLP.

IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed as of the date written below.

Dated: September 18, 2009

By: /s/ Donald Lee Thoma