MINDSPEED TECHNOLOGIES, INC Form SC 13G/A February 16, 2010

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

SCHEDULE 13G/A (Rule 13d-102) (Amendment No. 1)

INFORMATION TO BE INCLUDED IN STATEMENTS PURSUANT TO RULES 13d-1(b), (c) AND (d) AND AMENDMENTS THERETO FILED PURSUANT TO 13d-2 UNDER THE SECURITIES EXCHANGE ACT OF 1934

(Amendment No. 1)

Mindspeed Technologies Inc.
(Name of Issuer)

Common Stock (Title of Class of Securities)

602682205 (CUSIP Number)

December 31, 2009 (Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- [] Rule 13d-1(b)
- [X] Rule 13d-1(c)
- [] Rule 13d-1(d)

* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

Schedule 13G/A

CUSIP No. 602682205

(1)	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON									
			Polar Sec	uriti	les Inc.					
(2)	CHECK THE A	PPROPRI	ATE BOX IF A MEMBER	OF <i>P</i>	A GROUP	(a) (b)				
(3)	SEC USE ONL									
(4)	CITIZENSHIP OR PLACE OF ORGANIZATION Canada									
NUMBE:		(5)	SOLE VOTING POWE	R	-0-					
BENEF OWNED		(6)	SHARED VOTING PO	WER	898 , 172					
EACH		(7)	SOLE DISPOSITIVE	POWE	ER -0-					
REPOR'		(8)	SHARED DISPOSITI		OWER 898,172					
(9)	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON				898 , 172					
(10)	CHECK BOX I IN ROW (9)					[]				
(11)	PERCENT OF BY AMOUNT I		3.1%							
(12)	TYPE OF REP		IA							
Sched	ule 13G/A									
CUSIP	No. 6026822	05				PAGE	E 3 OF	11		
(1)	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON									

Altairis Offshore

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(2)	CHECK THE A	PPROPRIAT:	E BOX IF A MEMBE	R OF A		(a) [X] (b) []		
(3)	SEC USE ONL	 Y						
(4)	CITIZENSHIP	OR PLACE	OF ORGANIZATION Cayman I:					
NUMBER OF		(5)	SOLE VOTING POW		-0-			
SHARE:	S							
BENEF:		(6)	SHARED VOTING PO	OWER	189,808			
EACH		(7)	SOLE DISPOSITIV	E POWI	ER -0-			
REPORTING PERSON WITH		(8)	SHARED DISPOSIT		OWER 189,808			
(9)	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 189,808							
(10)	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES []							
(11)	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)							
(12)	TYPE OF REPORTING PERSON CO							
Sched	ule 13G/A							
CUSIP	No. 6026822	05				PAGE 4 OF 11		
(1)	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON							
	Altairis Offshore Levered							
(2)	CHECK THE AI	PPROPRIAT	E BOX IF A MEMBE	 R OF 2	A GROUP	(a) [X] (b) []		
(3)	SEC USE ONL	Y						

(4) CITIZENSHIP	OR PLACE	OF ORGANIZATION Cayman Islands					
NUMBER OF	(5)	SOLE VOTING POWER -0-					
BENEFICIALLY OWNED BY	(6)	SHARED VOTING POWER 708,364					
EACH REPORTING	(7)	SOLE DISPOSITIVE POWER -0-					
	(8)	SHARED DISPOSITIVE POWER 708,364					
(9) AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 708,364							
IN ROW (9)	10) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES []						
(11) PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 2.4%							
(12) TYPE OF REPO	ORTING PE	rson CO					

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ITEM 1(a). NAME OF ISSUER:

Mindspeed Technologies Inc. (the "Company")

ITEM 1(b). ADDRESS OF ISSUER'S PRINCIPAL EXECUTIVE OFFICES:

4000 MacArthur Boulevard, East Tower Newport Beach, California, 92660

ITEMS 2(a), 2(b) and 2(c). NAME OF PERSON FILING, ADDRESS OF PRINCIPAL BUSINESS OFFICE AND CITIZENSHIP:

This statement is filed by the entities and persons listed below, all of whom together are referred to herein as the "Reporting Persons":

(i) Altairis Offshore, a Cayman Islands exempted company, with respect to the Shares (defined in item 2(d) below) reported in this Schedule 13G/A directly owned by it.

- (ii) Altairis Offshore Levered, a Cayman Islands exempted company, with respect to the Shares reported in this Schedule 13G/A directly owned by it.
- (iii) Polar Securities Inc. ("Polar Securities"), a company incorporated under the laws on Ontario, Canada, with respect to the Shares reported in this Schedule 13G/A directly owned by Altairis Offshore and Altairis Offshore Levered.

The citizenship of each of the Reporting Persons is set forth above.

The address of the principal business office of each of the Reporting Persons is 372 Bay Street, 21st floor, Toronto, Ontario M5H 2W9, Canada.

ITEM 2(d). TITLE OF CLASS OF SECURITIES: common stock (the "Shares")

ITEM 2(e). CUSIP NUMBER: 602682205

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ITEM 3. IF THIS STATEMENT IS FILED PURSUANT TO 13d-1(b) OR 13d-2(b) OR (c), CHECK WHETHER THE PERSON FILING IS A:

- (a) [] Broker or dealer registered under Section 15 of the Act;
 - (b) [] Bank as defined in Section 3(a)(6) of the Act;
 - (c) [] Insurance Company as defined in Section 3(a)(19) of the Act;
 - (d) [] Investment Company registered under Section 8 of the Investment Company Act of 1940;

 - (f) [] Employee Benefit Plan, Pension Fund which is subject to the provisions of the Employee Retirement Income Security Act of 1974 or Endowment Fund; see Rule 13d-1(b)(1)(ii)(F);

 - (h) [] Savings Associations as defined in Section 3(b) of the Federal Deposit Insurance Act;
 - (i) [] Church Plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act of 1940;
 - (j) [] Group, in accordance with Rule 13d-1(b)(1)(ii)(J).

IF THIS STATEMENT IS FILED PURSUANT TO Rule 13d-1(c), CHECK THIS BOX. [x]

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ITEM 4. OWNERSHIP.

Polar Securities Inc. serves as the investment manager to Altairis Offshore and Altairis Offshore Levered and has voting and dispositive authority over the Shares reported in this Schedule 13G/A.

Each of the Reporting Persons hereby disclaims any beneficial ownership of any such Shares.

A. Polar Securities

- (a) Amount beneficially owned: 898,172
- (b) Percent of class: 3.1% (all percentages herein are based on 29,122,100 Shares reported to be outstanding as of January 29, 2010 as reflected in the Form 10-Q filed by the Company on February 9, 2010).
- (c) Number of shares as to which such person has:
 - (i) sole power to vote or to direct the vote: 0 Shares.
 - (ii) shared power to vote or to direct the vote: 898,172 Shares.
 - (iii) sole power to dispose or to direct the disposition of: 0 Shares.
 - (iv) shared power to dispose or to direct the disposition of: 898,172 Shares

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B. Altairis Offshore

- (a) Amount beneficially owned: 189,808
- (b) Percent of class: .7%
- (c) Number of shares as to which such person has:
 - (i) sole power to vote or to direct the vote: 0 Shares.
 - (ii) shared power to vote or to direct the vote: 189,808 Shares.
 - (iii) sole power to dispose or to direct the disposition of: 0 Shares.
 - (iv) shared power to dispose or to direct the disposition of:

189,808 Shares

- C. Altairis Offshore Levered
 - (a) Amount beneficially owned: 708,364
 - (b) Percent of class: 2.4%
 - (c) Number of shares as to which such person has:
 - (i) sole power to vote or to direct the vote: 0 Shares.
 - (ii) shared power to vote or to direct the vote: 708,364 Shares.
 - (iii) sole power to dispose or to direct the disposition of: 0 $\,$ Shares.
 - (iv) shared power to dispose or to direct the disposition of: 708,364 Shares

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ITEM 5. OWNERSHIP OF FIVE PERCENT OR LESS OF A CLASS.

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following |X|.

ITEM 6. OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER PERSON.

Not applicable.

ITEM 7. IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE SECURITY BEING REPORTED ON BY THE PARENT HOLDING COMPANY.

Not applicable.

ITEM 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP

See Item 4.

ITEM 9. NOTICE OF DISSOLUTION OF GROUP

Not applicable.

ITEM 10. CERTIFICATION (if filing pursuant to Rule 13d-1(c))

Each of the Reporting Persons hereby makes the following certification:

By signing below each Reporting Person certifies that, to the best of its knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and not held in connection with or as a participant in any transaction having that purpose or effect.

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SIGNATURES

After reasonable inquiry and to the best of our knowledge and belief, the undersigned certify that the information set forth in this statement is true, complete and correct.

DATED: February 16, 2010

Polar Securities Inc. /s/ Paul Sabourin

Paul Sabourin Chief Investment Officer

Altairis Offshore
By: Polar Securities Inc.
/s/ Paul Sabourin

Paul Sabourin Chief Investment Officer

Altairis Offshore Levered By: Polar Securities Inc. /s/ Paul Sabourin

Paul Sabourin Chief Investment Officer

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EXHIBIT 1 JOINT ACQUISITION STATEMENT

PURSUANT TO RULE 13d-1(k)

The undersigned acknowledge and agree that the foregoing statement on Schedule 13G/A, is filed on behalf of each of the undersigned and that all subsequent amendments to this statement on Schedule 13G/A, shall be filed on behalf of each of the undersigned without the necessity of filing additional joint acquisition statements. The undersigned acknowledge that each shall be responsible for the timely filing of such amendments, and for the completeness and accuracy of the information concerning him or it contained therein, but shall not be responsible for the completeness and accuracy of the information concerning the others, except to the extent that he or it knows or has reason to

believe that such information is inaccurate.

DATED: February 16, 2010 Polar Securities Inc. /s/ Paul Sabourin

Paul Sabourin Chief Investment Officer

Altairis Offshore

By: Polar Securities Inc.

/s/ Paul Sabourin

Paul Sabourin Chief Investment Officer

Altairis Offshore Levered By: Polar Securities Inc.

/s/ Paul Sabourin

Paul Sabourin Chief Investment Officer