MINDSPEED TECHNOLOGIES, INC Form SC 13G/A October 14, 2008

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

Mindspeed Technologies Inc.
(Name of Issuer)

Common Stock (Title of Class of Securities)

602682205 (CUSIP Number)

October 8, 2008 (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 PAGE 2 OF 11

(1)NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON Polar Securities Inc. _____ _____ CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) [X] (b) [] _____ (3) SEC USE ONLY (4) CITIZENSHIP OR PLACE OF ORGANIZATION _____ NUMBER OF (5) SOLE VOTING POWER SHARES BENEFICIALLY (6) SHARED VOTING POWER 2,414,097 OWNED BY (7) SOLE DISPOSITIVE POWER EACH -0-REPORTING PERSON WITH (8) SHARED DISPOSITIVE POWER 2,414,097 (9) AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 2,414,097 _____ CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES ______ PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 10.1% TYPE OF REPORTING PERSON ΙA Schedule 13G/A CUSIP No. 602682205 PAGE 3 OF 11 NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON Altairis Offshore

(2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

							(a) [(b) [
(3)	SEC USE									
(4)	CITIZENSHIP OR PLACE OF ORGANIZATION Cayman Islands									
NUMBER O	<u> </u>	(5)	SOLE VO	TING POW -0-						
SHARES										
BENEFICIALLY OWNED BY		(6) SHARED VOTING POWER 788,308								
EACH		(7)	SOLE DI	SPOSITIV -0-						
REPORTIN	G									
PERSON W	ITH	(8)	SHARED		CIVE POWER 3,308					
(9)			NT BENEFI ING PERSO	N	DWNED 8,308					
(10)	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES []									
(11)	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 3.3%									
(12)	TYPE OF	TYPE OF REPORTING PERSON CO								
Schedule	13G/A									
CUSIP No	. 6026822							4 OF 11		
(1)	NAME OF S.S. OR									
				Alt	airis Offsh	nore Lever	ed			
(2)	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP									
							(a) [(b) [
	SEC USE									
(4)	CITIZENS	SHIP OR	PLACE OF	ORGANIZ						

NUMBER OF		(5)	SOLE VOTING H	POWER -0-			
SHARES							
BENEFICIALLY		(6)	SHARED VOTING	G POWER 1,625,789			
OWNED BY							
EACH		(7)	SOLE DISPOSI	IIVE POWER -0-			
REPORTING							
PERSON WITH		(8)		SITIVE POWER 1,625,789			
(9)	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON						
	BY EACH I	KEPOKII		1,625,789			
(10)	CHECK BOX IF THE AGGREGATE AMOUNT						
	IN ROW (9) EXCLUDES CERTAIN SHARES []						
(11)			S REPRESENTED				
	BY AMOUN	r in Ro	, ,	6.8%			
(12)	TYPE OF I	REPORTI					
			(CO 			

Schedule 13G/A

CUSIP No. 602682205

PAGE 5 OF 11

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

Schedule 13G/A

CUSIP No. 602682205 PAGE 6 OF 11

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;

- (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);
- (g) [] Parent Holding Company, in accordance with Rule 13d-1(b)(ii)(G);
- (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]

Schedule 13G/A

CUSIP No. 602682205 PAGE 7 OF 11

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: 2,414,097
- (b) Percent of class: 10.1% (all percentages herein are based on 23,813,151 Shares reported to be outstanding as of July 25, 2008 as reflected in the Form 10-Q filed by the Company on August 5, 2008).
- (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: 2,414,097
 - (iii) sole power to dispose or to direct the disposition of: 0
 - (iv) shared power to dispose or to direct the disposition of: 2,414,097 Shares

Schedule 13G/A

CUSIP No. 602682205 PAGE 8 OF 11

B. Altairis Offshore

- (a) Amount beneficially owned: 788,308
- (b) Percent of class: 3.3%
- (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: 788,308
 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:

788,308 Shares

- C. Altairis Offshore Levered
 - (a) Amount beneficially owned: 1,625,789
 - (b) Percent of class: 6.8%
 - (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: 1,625,789 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: 1,625,789 Shares

Schedule 13G/A

CUSIP No. 602682205 PAGE 9 OF 11

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

Not applicable.

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

See Item 4.

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.

Schedule 13G/A

CUSIP No. 602682205 PAGE 10 OF 11

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: October 14, 2008 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

Schedule 13G/A

CUSIP No. 602682205

PAGE 11 OF 11

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: October 14, 2008 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