

# FORM 4

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

## OMB APPROVAL

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

# STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB Number: 3235-0287  
Expires: February 28, 2011  
Estimated average burden hours per response 0.5

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

<p>1. Name and Address of Reporting Person *</p> <p><u>Swift Arthur L.</u> (Last) (First) (Middle)</p> <p><u>MIPS Technologies, Inc.</u> <u>955 East Arques Avenue</u> (Street)</p> <p><u>Sunnyvale CA 94085</u> (City) (State) (Zip)</p>	<p>2. Issuer Name and Ticker or Trading Symbol</p> <p><u>MIPS TECHNOLOGIES INC [MIPS]</u></p> <p>3. Date of Earliest Transaction (Month/Day/Year)</p> <p><u>08/13/2010</u></p> <p>4. If Amendment, Date of Original Filed (Month/Day/Year)</p>	<p>5. Relationship of Reporting Person(s) to Issuer (Check all applicable)</p> <p><input type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below)</p> <p><u>Vice President of Marketing</u></p> <p>6. Individual or Joint/Group Filing (Check Applicable Line)</p> <p><input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person</p>
---	--	---

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	08/13/2010		F		1,223 <sup>(3)</sup>	D	\$6.13	2,111	D	
Common Stock	08/13/2010		M		13,889	A	\$3.07	16,000	D	
Common Stock	08/13/2010		S		13,889	D	\$6.2	2,111	D	
Common Stock	08/13/2010		M		1,667	A	\$3.27	3,778	D	
Common Stock	08/13/2010		S		1,667	D	\$6.2	2,111	D	

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (s) (Instr. 4)	10. Ownership Form: Direct(D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date (Month/Day/Year)	Title	Amount or Number of Shares				
Non-Qualified Stock Option (right to buy)	\$3.07	08/13/2010		M			13,889	(1)	03/26/2016	Common Stock	13,889	\$ 0	138,889	D	
Non-Qualified Stock Option (right to buy)	\$3.27	08/13/2010		M			1,667	(2)	08/17/2016	Common Stock	1,667	\$ 0	20,833	D	
Non-Qualified Stock Option (right to buy)	\$6	08/16/2010		A		40,000		(2)	08/16/2017	Common Stock	40,000	\$6	40,000	D	
Restricted Stock Units	(4)	08/16/2010		A		16,000		(5)	08/16/2013	Common Stock	16,000	\$ 0	16,000	D	

Explanation of Responses:

- One-third (1/3) of the shares subject to this option shall vest twelve (12) months after the grant date, and one thirty-sixth (1/36) of the shares subject to this option shall vest on each monthly anniversary of the grant date.
- This option shall vest over thirty-six (36) months at a rate of one thirty-sixth (1/36) per month beginning with the first monthly anniversary of the grant date.
- Payment of tax liability by withholding securities incident to the vesting of a security (restricted stock unit grant on August 13, 2009) issued in accordance with Rule 16b-3.
- Each restricted stock unit represents a contingent right to receive one share of common stock.
- One-third (1/3) of the restricted stock units vest on each of the first three (3) anniversaries of August 16, 2010, subject to the reporting person's continued employment with the Company on each such date.

Arthur L. Swift

08/17/2010

\*\* 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 4(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 number.