Hoffmeister David F Form 4 May 19, 2010

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

Expires:

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if no longer subject to Section 16. Form 4 or Form 5

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obligations may continue. See Instruction

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(b).

(Print or Type Responses)

1. Name and A Hoffmeister	ddress of Report David F	ting Person *	2. Issuer Name and Ticker or Trading Symbol Life Technologies Corp [LIFE]	5. Relationship of Reporting Person(s) to Issuer		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction	(Check all applicable)		
5791 VAN ALLEN WAY			(Month/Day/Year) 05/17/2010	Director 10% OwnerX_ Officer (give title Other (specify below)		
	(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check		
CARLSBAD, CA 92008			Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person		
(City)	(State)	(Zin)				

CARLSBAD, CA 92008

(City)	(State)	Table	e I - Non-D	erivative	Secur	rities Acq	uired, Disposed of	f, or Beneficial	y Owned
1.Title of Security	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if	3. Transactio	4. Securi		•	5. Amount of Securities	6. Ownership Form: Direct	7. Nature of Indirect
(Instr. 3)	(William Bay, Tear)	any	Code	(Instr. 3,		` ′	Beneficially	(D) or	Beneficial
		(Month/Day/Year)	(Instr. 8)				Owned Following Reported	Indirect (I) (Instr. 4)	Ownership (Instr. 4)
			Code V	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)		
Common Stock (1)	05/17/2010	05/17/2010	M	5,300	A	\$ 51.27	36,538	D	
Common Stock (2)	05/17/2010	05/17/2010	F	2,475	D	\$ 51.27	34,063	D	

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

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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. Transactic Code (Instr. 8)	5. Number on 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 Underlying Securities (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Restricted Stock Units (1)	\$ 0	05/17/2010	05/17/2010	M	5,300	05/15/2010	05/15/2017	Common Stock	5,300

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Hoffmeister David F 5791 VAN ALLEN WAY CARLSBAD, CA 92008

Chief Financial Officer

Signatures

/s/ David L. Szekeres, POA 05/19/2010

**Signature of Reporting Date

Explanation of Responses:

- * 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).
- (1) Vesting of shares under RSU Grant # RS2095
- (2) Shares withheld to cover the tax liability from vesting of RSU Grant # RS2095

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.

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