GRIMM DONALD W

Check this box

Form 4

September 13, 2010

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB Number:

3235-0287

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January 31, 2005

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OMB APPROVAL

response...

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

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(b).

(Last)

(Print or Type Responses)

may continue.

See Instruction

1. Name and Address of Reporting Person
GRIMM DONALD W

(First) (Middle)

5791 VAN ALLEN WAY

(Street)

2. Issuer Name and Ticker or Trading Symbol

Life Technologies Corp [LIFE]

3. Date of Earliest Transaction (Month/Day/Year)

09/09/2010

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to

Issuer

(Check all applicable)

_X__ Director 10% Owner Officer (give title Other (specify below)

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

CARLSBAD, CA 92008

(City)	(State)	(Zip) 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) our Disposed of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported	6. Ownership Form: Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
			Code V	Amount	or (D)	Price	Transaction(s) (Instr. 3 and 4)	(Instr. 4)		
Common Stock (1)	09/09/2010	09/09/2010	M	20,000	A	\$ 33.31	28,000	D		
Common Stock (2)	09/09/2010	09/09/2010	S	200	D	\$ 46.4375	27,800	D		
Common Stock (2)	09/09/2010	09/09/2010	S	1,300	D	\$ 46.44	26,500	D		
Common Stock (2)	09/09/2010	09/09/2010	S	300	D	\$ 46.445	26,200	D		
Common Stock (2)	09/09/2010	09/09/2010	S	200	D	\$ 46.4475	26,000	D		
	09/09/2010	09/09/2010	S	1,500	D	\$ 46.45	24,500	D		

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Common Stock (2)									
Common Stock (2)	09/09/2010	09/09/2010	S	300	D	\$ 46.4525	24,200	D	
Common Stock (2)	09/09/2010	09/09/2010	S	1,500	D	\$ 46.455	22,700	D	
Common Stock (2)	09/09/2010	09/09/2010	S	300	D	\$ 46.46	22,400	D	
Common Stock (2)	09/09/2010	09/09/2010	S	100	D	\$ 46.465	22,300	D	
Common Stock (2)	09/09/2010	09/09/2010	S	100	D	\$ 46.47	22,200	D	
Common Stock (2)	09/09/2010	09/09/2010	S	300	D	\$ 46.5	21,900	D	
Common Stock (2)	09/09/2010	09/09/2010	S	100	D	\$ 46.505	21,800	D	
Common Stock (2)	09/09/2010	09/09/2010	S	100	D	\$ 46.5075	21,700	D	
Common Stock (2)	09/09/2010	09/09/2010	S	1,400	D	\$ 46.51	20,300	D	
Common Stock (2)	09/09/2010	09/09/2010	S	200	D	\$ 46.515	20,100	D	
Common Stock (2)	09/09/2010	09/09/2010	S	1,700	D	\$ 46.52	18,400	D	
Common Stock (2)	09/09/2010	09/09/2010	S	600	D	\$ 46.525	17,800	D	
Common Stock (2)	09/09/2010	09/09/2010	S	3,300	D	\$ 46.535	14,500	D	
Common Stock (2)	09/09/2010	09/09/2010	S	1,700	D	\$ 46.5375	12,800	D	
Common Stock (2)	09/09/2010	09/09/2010	S	2,200	D	\$ 46.54	10,600	D	
Common Stock (2)	09/09/2010	09/09/2010	S	2,100	D	\$ 46.55	8,500	D	
Common Stock (2)	09/09/2010	09/09/2010	S	400	D	\$ 46.56	8,100	D	
Common Stock (2)	09/09/2010	09/09/2010	S	100	D	\$ 46.59	8,000	D	
Common Stock							8,000	I	By Trust

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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	2. Conversion	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if	4. 5. Number of TransactionDerivative		6. Date Exercisable and Expiration Date		7. Title and Amount of Underlying Securities	
Security (Instr. 3)	or Exercise Price of Derivative Security	(4,20,44, 2,44, 1,4	any (Month/Day/Year)	Code (Instr. 8)	Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	(Month/Day/Year)		(Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Options	\$ 33.31	09/09/2010	09/09/2010	M	20,000	04/27/2002	04/27/2011	Common Stock	20,000

Reporting Owners

Relationships							
irector	10% Owner	Officer	Other				
X							
i		rector 10% Owner	rector 10% Owner Officer				

Signatures

/s/ David L. Szekeres, POA 09/13/2010

**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) Options exercised from Grant # 3672
- (2) Sale of common stock from exercise of Grant # 3672
- (3) Shares held by Donald W. Grimm & Kathryn A. Grimm, Trustees, Grimm Family Trust.

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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