O'Donnell Mark Sean Form 4 March 15, 2011

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB

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obligations

Check this box

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 may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

| O'Donnell Mark Sean Symbol Issuer | |
|--|----------|
| Life Technologies Corp [LIFE] (Check all applicable) (Last) (First) (Middle) 3, Date of Earliest Transaction | |
| (Month/Day/Year) 5791 VAN ALLEN WAY 03/11/2011 — Director — 10% of Learnest Hallsaction — Director — 10% of Learnest Hallsaction — Section — Section — 10% of Learnest Hallsaction — Director — 10% of Learnest Hallsaction — Support — Section — 10% of Learnest Hallsaction — Support — 10% of Learnest Hallsaction — 10% of Learnest Hallsaction — 10% of Learne | (specify |
| (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Pers | |
| CARLSBAD, CA 92008 — Form filed by More than One Rep | orting |

| (City) | (State) | (Zip) Tab | le I - Non- | Derivative Se | ecurities | s Acqui | red, Disposed of, | or Beneficiall | y Owned |
|------------------|---------------------|--------------------|-------------|----------------|-----------|-------------|-------------------|----------------|--------------|
| 1.Title of | 2. Transaction Date | 2A. Deemed | 3. | 4. Securities | s Acquir | red (A) | 5. Amount of | 6. | 7. Nature of |
| Security | (Month/Day/Year) | Execution Date, if | Transaction | omr Disposed | of (D) | | Securities | Ownership | Indirect |
| (Instr. 3) | | any | Code | (Instr. 3, 4 a | ind 5) | | Beneficially | Form: | Beneficial |
| | | (Month/Day/Year) | (Instr. 8) | | | | Owned | Direct (D) | Ownership |
| | | | | | | | Following | or Indirect | (Instr. 4) |
| | | | | | (4) | | Reported | (I) | |
| | | | | | (A) | | Transaction(s) | (Instr. 4) | |
| | | | ~ | | or | | (Instr. 3 and 4) | | |
| | | | Code V | Amount | (D) | Price | | | |
| Common Stock (1) | 03/11/2011 | 03/11/2011 | A | 2,404.67 | А | \$ 51.41 | 11,813.67 (2) | D | |

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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

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| 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. 5. Number of TransactionDerivative Code Securities (Instr. 8) Acquired (A) or Disposed of (D) (Instr. 3, 4, | | erivative Expiration Date curities (Month/Day/Year) equired (A) Disposed of) | | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | |
|---|---|--------------------------------------|---|--|----------------|---|--------------------|---|-------------------------------------|
| | | | | Code V | and 5) (A) (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares |
| Restricted Stock (3) | \$ 0 | 03/11/2011 | 03/11/2011 | A | 601.17 | 03/11/2014 | 03/11/2021 | Common Stock | 601.17 |

Deletionship

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | | | |
|--------------------------------|---------------|-----------|---------|-------|--|--|
| | Director | 10% Owner | Officer | Other | | |

O'Donnell Mark Sean 5791 VAN ALLEN WAY CARLSBAD, CA 92008

SVP, Global Ops & Services

Signatures

/s/ David L. Szekeres, POA 03/15/2011

**Signature of Reporting

Explanation of Responses:

* If the form is filed by more than one reporting person, see Instruction 4(b)(v).

Date

- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) Common Stock issued per Deferred Comp Plan
- (2) Includes 2,404.67 shares of common stock issued per Deferred Comp Plan
- (3) Restricted Stock under the Deferred Comp Plan matching program

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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