

KERN R. FRANKLIN III
 Form 4
 May 24, 2010

FORM 4

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

OMB APPROVAL

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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 OF 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

(Print or Type Responses)

1. Name and Address of Reporting Person *
KERN R. FRANKLIN III

2. Issuer Name and Ticker or Trading Symbol
INTERNATIONAL BUSINESS MACHINES CORP [IBM]

5. Relationship of Reporting Person(s) to Issuer
 (Check all applicable)
 ___ Director ___ 10% Owner
 Officer (give title below) ___ Other (specify below)
Senior Vice President

(Last) (First) (Middle)
IBM CORPORATION, ONE NORTH CASTLE DRIVE
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
05/21/2010

ARMONK, NY 10504

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

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 ___ Form filed by More than One Reporting Person

(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) 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) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|---|
| | | | | (A) or (D) | Price | | |
| | | | | Code | V | Amount | |
| Common Stock | 05/21/2010 | | S | 400 | D | \$ 124.2 | 44,155 D |
| Common Stock | 05/21/2010 | | S | 500 | D | \$ 124.21 | 43,655 D |
| Common Stock | 05/21/2010 | | S | 400 | D | \$ 124.22 | 43,255 D |
| Common Stock | 05/21/2010 | | S | 900 | D | \$ 124.23 | 42,355 D |
| Common Stock | 05/21/2010 | | S | 300 | D | \$ 124.24 | 42,055 D |

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| | | | | | | | |
|--------------|------------|---|-------|---|-----------|--------|---|
| Common Stock | 05/21/2010 | S | 2,900 | D | \$ 124.25 | 39,155 | D |
| Common Stock | 05/21/2010 | S | 1,900 | D | \$ 124.26 | 37,255 | D |
| Common Stock | 05/21/2010 | S | 1,300 | D | \$ 124.27 | 35,955 | D |
| Common Stock | 05/21/2010 | S | 200 | D | \$ 124.28 | 35,755 | D |
| Common Stock | 05/21/2010 | S | 200 | D | \$ 124.29 | 35,555 | D |

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

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(9-02)

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 Underlying Securities (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) | 9. Number of Derivative Securities Owned Beneficially (Instr. 5) |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--|--|
| | | | | Code | V (A) (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---------------|-----------|-----------------------|-------|
| | Director | 10% Owner | Officer | Other |
| KERN R. FRANKLIN III IBM CORPORATION ONE NORTH CASTLE DRIVE ARMONK, NY 10504 | | | Senior Vice President | |

Signatures

D. Cummins on behalf of R. F.
Kern III

05/24/2010

__Signature of Reporting Person

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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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