

KERN R. FRANKLIN III
 Form 4
 May 10, 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)
 05/08/2010

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 Ownership (Instr. 4)		
				Code	V	Amount				(A) or (D)	Price
Common Stock	05/08/2010		M			2,188	A	\$ 0	44,361	D	
Common Stock	05/08/2010		M			2,243	A	\$ 0	46,604	D	
Common Stock	05/08/2010		F			1,012	D	\$ 122.185	45,592	D	
Common Stock	05/08/2010		F			1,037	D	\$ 122.185	44,555	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 or Value of Derivative Security (Instr. 3)		
						Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
				Code	V	(A)	(D)			
Rst. Stock Unit	\$ 0 <u>(1)</u>	05/08/2010		M <u>(2)</u>	2,188	<u>(1)</u>	<u>(1)</u>	Common Stock	2,188	\$
Rst. Stock Unit	\$ 0 <u>(1)</u>	05/08/2010		M <u>(2)</u>	2,243	<u>(1)</u>	<u>(1)</u>	Common Stock	2,243	\$

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
 05/10/2010
**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).

(1) These units were payable in cash or the company's common stock upon the lapse of the restrictions on the transaction date shown.

(2) Release of restricted stock units.

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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