AMERICAN TOWER CORP /MA/ Form SC 13G February 10, 2005

SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

SCHEDULE 13G (Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO

RULES 13d-1(b)(c), AND (d)

AND AMENDMENTS THERETO FILED PURSUANT TO

RULE 13d-2(b)

(AMENDMENT NO. 6)*

American Tower Corp.

(Name of Issuer)

Common Stock, 0.01 Par Value

(Title of Class of Securities)

02991220A

(CUSIP Number)

12/31/04

(Date of Event which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this schedule is filed:

/X/ Rule 13d-i(b) // Rule 13d-i(c) // Rule 13d-i(d)

*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act.

(Continued on following page(s))

Page 1 of 4 Pages

CUSIP NO. 02991220A 13G PAGE 2 OF 4 PAGES

1 NAME OF REPORTING PERSON

I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)

Massachusetts Financial Services Company ("MFS")

	I.R.S	S. Ide	entific	cation No	0.: 04-2747644
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*				
	(a)	/	/	(b	o) / /
3	SEC U	JSE OI	NLY		
4	CITIZENSHIP OR PLACE OF ORGANIZATION				
	Delaw	ware			
	NU	JMBER	OF	5	SOLE VOTING POWER
		SHAI	RES		12,312,813 Shares of Common Stock**
	BENE	FICIA	LLY		
	(OWNED	BY	6	SHARED VOTING POWER
		ΕA	ACH		
	RE	EPORT	ING	7	SOLE DISPOSITIVE POWER
		PERS	SON		12,607,593 Shares of Common Stock**
		W	ITH		
				8	SHARED DISPOSITIVE POWER
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 12,607,593 shares of common stock** of which shares are also beneficially owned by certain other non-reporting entities as well as MFS.				
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* //				
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9 5.52%				
12	TYPE OF REPORTING PERSON*				
				*SEE IN	STRUCTION BEFORE FILLING OUT!
					ock include 136,587 of common stock which may be on of convertible bonds.
SCHEI	DULE 1	13G			PAGE 3 OF 4 PAGES
ITEM	1:	(a)	NAME	OF ISSUE	IR:
			SEE (COVER PAG	GE
		(b)	ADDRI	ESS OF IS	SSUER'S PRINCIPAL EXECUTIVE OFFICES:
				Huntingto on, MA 02	on Avenue 2116
ITEM	2:	(a)	NAME	OF PERSO	ON FILING:

see item 1 on page 1

(b) ADDRESS OF PRINCIPAL BUSINESS OFFICE OR, IF NONE, RESIDENCE:

500 Boylston Street Boston, MA 02116

(c) CITIZENSHIP:

See Item 4 on page 2

(d) TITLE OF CLASS OF SECURITIES:

SEE COVER PAGE

(e) CUSIP NUMBER:

SEE COVER PAGE

ITEM 3: See Item 12 on page 2

ITEM 4: (a) AMOUNT BENEFICIALLY OWNED:

See Item 9 on page 2

(b) PERCENT OF CLASS:

See Item 11 on page 2

(c) NUMBER OF SHARES AS TO WHICH SUCH PERSON HAS VOTING AND

DISPOSITIVE POWERS:

See Items 5 and 7 on page 2

SCHEDULE 13G PAGE 4 OF 4 PAGES

ITEM 5: OWNERSHIP OF FIVE PERCENT OR LESS OF A CLASS:

Inapplicable

ITEM 6: OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER PERSON:

Inapplicable

ITEM 7: IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH

ACQUIRED THE SECURITY BEING REPORTED ON BY THE PARENT HOLDING

COMPANY:

Inapplicable

ITEM 8: IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP:

Inapplicable

ITEM 9: NOTICE OF DISSOLUTION OF GROUP:

Inapplicable

ITEM 10: CERTIFICATION:

By signing below I certify that, to the best of my knowledge and

belief, the securities referred to above were acquired and are held in the ordinary course of business and were not acquired and are not held for the purpose of and do not have the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having such purpose or effect.

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: February 9, 2005

Massachusetts Financial Services Company

By: /s/ Mitchell C. Freestone
Mitchell C. Freestone
Vice President and Senior Counsel