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

SCHEDULE 13G (AMENDMENT NO. 1)

UNDER THE SECURITIES EXCHANGE ACT OF 1934

FIDELITY NATIONAL INFORMATION SYSTEMS, INC. (Name of Issuer)

COMMON STOCK, PAR VALUE \$0.001 PER SHARE (Title of Class of Securities)

> 31620M106 (CUSIP Number)

December 31, 2007 (Date of Event Which Requires Filing of this Statement)

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

- [] Rule 13d-1(b)
- [] Rule 13d-1(c)
- [X] Rule 13d-1(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 (however, see the Notes).

SEC 1745 (6-00)

CUSIP	NO.	31620M106	13G	PAGE 2	0F 23
1		E OF REPORTING PERSON . OR I.R.S. IDENTIFICATION NO). OF ABOVE PERSON		
	THL	FNIS Holdings LLC			
2	CHE	CK THE APPROPRIATE BOX IF A I	IEMBER OF A GROUP*	(a) (b)	X _
3	SEC	USE ONLY			
4	CIT	IZENSHIP OR PLACE OF ORGANIZ	ATION		

Massachusetts				
		SOLE VOTING POWER		
NUMBER OF SHARES		-0-		
BENEFICIALLY OWNED BY	6	SHARED VOTING POWER		
EACH		5,701,557		
PERSON	7	SOLE DISPOSITIVE POWER		
WITT		-0-		
	8	SHARED DISPOSITIVE POWER		
		5,701,557		
9 AGGREGATE AM	10UNT	BENEFICIALLY OWNED BY EACH REPORTING PERSON		
5,701,557				
10 CHECK BOX IF	THE	AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*		
		_		
11 PERCENT OF C	LASS	REPRESENTED BY AMOUNT IN ROW 9		
2.9%				
12 TYPE OF REPO				
00				
*SEE INSTRUCTIONS BEFORE FILLING OUT!				

CUSIP	• NO. 31620M10	6	136	PAGE 3 OF 23			
 1	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON						
	Thomas H. Lee Equity (Cayman) Fund V, L.P.						
2	2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) $ X $ (b) $ _{-} $						
3	3 SEC USE ONLY						
4	CITIZENSHIP	OR PLA	ACE OF ORGANIZATION				
	Cayman Islar	ds					
		5 \$	SOLE VOTING POWER				
	DWNED BY EACH REPORTING -		- 0 -				
BEN		6 9	SHARED VOTING POWER				
0		6	62,375				
		7 9	SOLE DISPOSITIVE POWER				
			- 0 -				
			SHARED DISPOSITIVE POWER				
			62, 375 				
9	AGGREGATE AM	IOUNT E	BENEFICIALLY OWNED BY EACH REPORTING PERSON				
	62,375						
 10	CHECK BOX IF	THE A	AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN	SHARES*			
				1_1			
 11	PERCENT OF C	LASS F	REPRESENTED BY AMOUNT IN ROW 9				
	Less than 1.	0%					
12	TYPE OF REPO	RTING	PERSON*				
	PN						
		*SEE 1	INSTRUCTIONS BEFORE FILLING OUT!				

CUSIP NO. 31620M1	.06	136	PAGE 4 0F 23				
	PORTING PERSON R.S. IDENTIFICATION	NO. OF ABOVE PERSON					
Thomas H. L	Thomas H. Lee Investors Limited Partnership						
2 CHECK THE A	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) (b) _						
	SEC USE ONLY						
4 CITIZENSHIP	OR PLACE OF ORGAN	ZATION					
Massachuset	ts						
	5 SOLE VOTING F						
NUMBER OF	- 0 -						
SHARES BENEFICIALLY	6 SHARED VOTING						
OWNED BY EACH	33,884						
REPORTING PERSON	7 SOLE DISPOSI	IVE POWER					
WITH	- 0 -						
	8 SHARED DISPOS	ITIVE POWER					
	33,884						
9 AGGREGATE A	MOUNT BENEFICIALLY	OWNED BY EACH REPORTI	NG PERSON				
33,884							
10 CHECK BOX I	F THE AGGREGATE AMO	OUNT IN ROW (9) EXCLUD	ES CERTAIN SHARES*				
			_				
11 PERCENT OF	CLASS REPRESENTED E						
Less than 1	Less than 1.0%						
12 TYPE OF REP	ORTING PERSON*						
PN							
*SEE INSTRUCTIONS BEFORE FILLING OUT!							

CUSIP NO. 31620M	106	136	PAGE 5 OF 23				
1 NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON							
THL Equity	Advisors V, LLC						
2 CHECK THE	2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) X (b) _						
3 SEC USE ON							
4 CITIZENSHI	P OR PLACE OF OR	GANIZATION					
Massachuse							
	5 SOLE VOTI						
NUMBER OF	- 0 -						
	6 SHARED VO						
OWNED BY EACH REPORTING	5,890,998						
PERSON WITH	7 SOLE DISP	OSITIVE POWER					
	- 0 -						
	8 SHARED DI	SPOSITIVE POWER					
	5,890,998						
9 AGGREGATE	AMOUNT BENEFICIA	LLY OWNED BY EACH REPORTIN	NG PERSON				
5,890,998							
10 CHECK BOX	IF THE AGGREGATE	AMOUNT IN ROW (9) EXCLUD	ES CERTAIN SHARES*				
			_				
11 PERCENT OF	CLASS REPRESENT	ED BY AMOUNT IN ROW 9					
3.0%							
12 TYPE OF RE	PORTING PERSON*						
00							
	*SEE INSTRUCTI	ONS BEFORE FILLING OUT!					

CUSIP NO. 31620M	106	13G	PAGE 6 OF 23			
	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON					
Thomas H.	Lee Advisors, LLC					
2 CHECK THE	2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) X (b) _					
3 SEC USE ON	SEC USE ONLY					
4 CITIZENSHI	P OR PLACE OF ORGANI	ZATION				
Delaware						
	5 SOLE VOTING F					
NUMBER OF	- 0 -					
SHARES BENEFICIALLY	6 SHARED VOTING	G POWER				
OWNED BY EACH	5,890,998					
REPORTING PERSON	7 SOLE DISPOSIT	IVE POWER				
WITH	- 0 -					
	8 SHARED DISPOS					
	5,890,998					
9 AGGREGATE	AMOUNT BENEFICIALLY	OWNED BY EACH REPORTING P	ERSON			
5,890,998						
10 CHECK BOX	IF THE AGGREGATE AMO	OUNT IN ROW (9) EXCLUDES C	ERTAIN SHARES*			
			_			
11 PERCENT OF	CLASS REPRESENTED E	BY AMOUNT IN ROW 9				
3.0%						
12 TYPE OF RE	PORTING PERSON*					
00						
		BEFORE FILLING OUT!				

CUSI	P NO. 31620M1	96	13G	PAGE 7 OF 23		
1	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON					
	Great-West	Investors				
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) $ X $ (b) $ _{-} $					
3	SEC USE ONL					
4	CITIZENSHIP Delaware	OR PLACE	OF ORGANIZATION			
			VOTING POWER			
1	NUMBER OF	- 0 -				
	SHARES NEFICIALLY	6 SHAR	ED VOTING POWER			
	OWNED BY EACH	35,4	76			
ł	REPORTING PERSON WITH	7 SOLE	DISPOSITIVE POWER			
	WTIH	- 0 -				
			ED DISPOSITIVE POWER			
		35,4	76			
9	AGGREGATE A	OUNT BENE	FICIALLY OWNED BY EACH REPORTING P	ERSON		
	35,476					
10	CHECK BOX I	THE AGGR	EGATE AMOUNT IN ROW (9) EXCLUDES C	ERTAIN SHARES*		
				_		
11	PERCENT OF	CLASS REPR	ESENTED BY AMOUNT IN ROW 9			
	Less than 1	. 0%				
12	TYPE OF REP	ORTING PER	SON*			
	PN					
		*SEE INST	RUCTIONS BEFORE FILLING OUT!			

CUSIP NO. 31620M1	.06	136	PAGE 8 OF 23			
	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON					
Putnam Inve	estment Holdings, H					
2 CHECK THE A	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) X (b) _					
3 SEC USE ONL						
4 CITIZENSHIP	OR PLACE OF ORGAN					
Delaware						
	5 SOLE VOTING	POWER				
NUMBER OF	- 0 -					
SHARES BENEFICIALLY	6 SHARED VOTI					
OWNED BY EACH	57,706					
REPORTING PERSON	7 SOLE DISPOS					
WITH	- 0 -					
		OSITIVE POWER				
	57,706					
9 AGGREGATE A		Y OWNED BY EACH REPORTING	PERSON			
57,706						
10 CHECK BOX I	F THE AGGREGATE A	MOUNT IN ROW (9) EXCLUDES				
			_			
11 PERCENT OF		BY AMOUNT IN ROW 9				
Less than 1						
12 TYPE OF REP	PORTING PERSON*					
00						

CUSIF	P NO. 31620M10)6	13G	PAGE 9 OF 23		
1	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON					
	Putnam Inves	stmen	ts Employees' Securities Company I LLC			
2	2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) $ X $ (b) $ _{-} $					
3	3 SEC USE ONLY					
4		OR P	LACE OF ORGANIZATION			
	Delaware					
		5	SOLE VOTING POWER			
Ν	IUMBER OF SHARES		-0-			
	NEFICIALLY DWNED BY	6				
	EACH		30,486			
F	REPORTING	7	SOLE DISPOSITIVE POWER			
	WITH		- 0 -			
		 8	SHARED DISPOSITIVE POWER			
			30,486			
 9	AGGREGATE AM	10UNT	BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	30,486					
 10	CHECK BOX IF	THE	AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN	SHARES*		
				1_1		
 11	PERCENT OF (REPRESENTED BY AMOUNT IN ROW 9			
	Less than 1.	0%				
 12	TYPE OF REPO	ORTIN	G PERSON*			
	00					
		*SEE	INSTRUCTIONS BEFORE FILLING OUT!			

CUSIF	P NO. 31620M10	96	13G	PAGE 10 OF 23		
1	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON					
	Putnam Investments Employees' Securities Company II LLC					
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) $ X $ (b) $ _{-} $					
3	SEC USE ONLY					
4	CITIZENSHIP Delaware	OR PLACE OF ORGA	ANIZATION			
		5 SOLE VOTING				
Ν	UMBER OF	- 0 -				
	SHARES NEFICIALLY					
	WNED BY EACH	27,220				
ŀ	REPORTING PERSON	7 SOLE DISPOS				
	WITH	- 0 -				
			POSITIVE POWER			
		27,220				
9	AGGREGATE AM	10UNT BENEFICIALL	Y OWNED BY EACH REPO			
	27,220					
10	CHECK BOX IF	THE AGGREGATE A		CLUDES CERTAIN SHARES*		
				_		
11	PERCENT OF (D BY AMOUNT IN ROW 9			
	Less than 1					
12	TYPE OF REPO	ORTING PERSON*				
	00					
		*SEE INSTRUCTION	NS BEFORE FILLING OUT	.i		

ITEM 1 (A). NAME OF ISSUER: Fidelity National Information Services, Inc. ITEM 1 (B). ADDRESS OF ISSUER'S PRINCIPAL EXECUTIVE OFFICES: 601 Riverside Avenue Jacksonville, FL 32204 ITEM 2 (A). NAME OF PERSON FILING: THL FNIS Holdings, LLC Thomas H. Lee Equity (Cayman) Fund V, L.P. Thomas H. Lee Investors Limited Partnership THL Equity Advisors V, LLC Thomas H. Lee Advisors, LLC Great-West Investors LP Putnam Investment Holdings, LLC Putnam Investments Employees' Securities Company I LLC Putnam Investments Employees' Securities Company II LLC ITEM 2 (B). ADDRESS OF PRINCIPAL BUSINESS OFFICE OR, IF NONE, RESIDENCE: For the THL Entities: c/o Thomas H. Lee Partners, L.P. 100 Federal Street, 35th Floor Boston, MA 02110 For the Putnam Entities: c/o Putnam Investments, LLC One Post Office Square Boston, MA 02109 For Great-West: c/o Great-West Life Annuity Insurance Company 8515 E. Orchard Road 3T2 Greenwood Village, CO 80111 ITEM 2 (C). CITIZENSHIP: THL FNIS Holdings, LLC - Delaware Thomas H. Lee Equity (Cayman) Fund V, L.P. - Cayman Islands Thomas H. Lee Investors Limited Partnership - Massachusetts THL Equity Advisors V, LLC - Delaware Thomas H. Lee Advisors, LLC - Delaware Great-West Investors LP - Delaware Putnam Investment Holdings, LLC - Delaware Putnam Investments Employees' Securities Company I LLC - Delaware Putnam Investments Employees' Securities Company II LLC - Delaware

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ITEM 2 (D). TITLE OF CLASS OF SECURITIES:

Common Stock, par value \$0.001 per share

ITEM 2 (E). CUSIP NUMBER:

31620M106

ITEM 3. IF THIS STATEMENT IS FILED PURSUANT TO RULE 13D-1(B), OR 13D-2(B) OR (C), CHECK WHETHER THE PERSON FILING IS A:

Not Applicable

- (a) [_] Broker or dealer registered under Section 15 of the Exchange Act;
- (b) [_] Bank as defined in Section 3(a)(6) of the Exchange Act;
- (c) [_] Insurance company as defined in Section 3(a)(19) of the Exchange Act;
- (d) [_] Investment company registered under Section 8 of the Investment Company Act;
- (e) [_] An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E);

- (h) [_] A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act;
- (j) [_] Group, in accordance with Rule 13d-1(b)(1)(ii)(J).

ITEM 4. OWNERSHIP

(a) Amount Beneficially Owned:

Based on existing relationships between the Reporting Persons regarding voting the securities of the Issuer, as described below, the Reporting Persons may be collectively deemed the beneficial owners of 5,890,998 shares, which constitute 3.0% of the shares of the identified class of securities.

THL FNIS Holdings LLC, a Delaware limited liability company, is the record holder of 5,701,557 shares of the identified class of securities. Thomas H. Lee Equity (Cayman) Fund V, L.P., a Cayman Islands exempted limited partnership, is the record holder of 62,375 shares of the identified class of securities (together, the "THL Funds").

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As the sole general partner of each of the THL Funds and pursuant to the terms of the Amended and Restated Limited Partnership Agreement of Fund V, which require the Putnam entities to dispose of their shares of the identified class of securities pro rata with the THL Funds, THL Equity Advisors V, LLC, a Delaware limited liability company, may be deemed to be the beneficial owner of 5,890,998 shares of the identified class of securities, which represents approximately 3.0% of the shares of the identified class of securities.

As the sole general partner of Thomas H. Lee Partners, L.P. (the sole owner of THL Equity Advisors V, LLC), Thomas H. Lee Advisors, LLC, a Delaware limited liability company, may be deemed to be the beneficial owner of the 5,890,998 shares of the identified class of securities, which represents approximately 3.0% of the Issuer's outstanding common stock.

Thomas H. Lee Investors Limited Partnership, a Delaware limited partnership, is the record holder of 33,884 shares of the identified class of securities.

Putnam Investments Employees' Securities Company I LLC, a Delaware limited liability company, ("Putnam I") is the record holder of 30,486 shares of the identified class of securities. Putnam Investments Employees' Securities Company II LLC, a Delaware limited liability company, ("Putnam II") is the record holder of 27,220 shares of the identified class of securities.

As the managing member of each of Putnam I and Putnam II, Putnam Investment Holdings, LLC, a Delaware limited liability company, ("Holdings" and together with Putnam I and Putnam II, the "Putnam Entities") may be deemed to be the beneficial owner of 57,706 shares of the identified class of securities.

On or about November 1, 2007, Holdings transferred its shares of the identified class of securities to its affiliate, Great-West Investors LP, a Delaware limited partnership ("Great-West"). Great-West is the record holder of 35, 476 shares of the identified class of securities.

(b) Percent of Class:

See Item 11 of each cover page.

- (c) Number of Shares as to which Such Person has:
 - Sole power to vote or to direct the vote: See Item 5 of each cover page
 - (ii) Shared power to vote or to direct the vote: See Item 6 of each cover page
 - (iii) Sole power to dispose or to direct the disposition of: See Item 7 of each cover page
 - (iv) Shared power to dispose or to direct the disposition of: See Item 8 of each cover page

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

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following .

- ITEM 6. OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER PERSON Not Applicable. See Item 4(a) above.
- ITEM 7. IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE SECURITY BEING REPORTED ON BY THE PARENT HOLDING COMPANY

Not Applicable.

ITEM 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP

See Item 2(a).

ITEM 9. NOTICE OF DISSOLUTION OF GROUP

Not Applicable.

ITEM 10. CERTIFICATION

Not Applicable. This statement on Schedule 13G is not filed pursuant to Rule 13d-1(b) or Rule 13d-1(c).

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

Dated: February 1, 2008.

THL FNIS HOLDINGS, LLC By: Thomas H. Lee Equity Fund V, L.P. its managing member

By: THL Equity Advisors V, LLC its General Partner

By: /s/ Charles P. Holden

Name: Charles P. Holden Title: Assistant Treasurer

The original statement shall be signed by each person on whose behalf the statement is filed or his authorized representative. If the statement is signed on behalf of a person by his authorized representative other than an executive officer or general partner of the filing person, evidence of the representative's authority to sign on behalf of such person shall be filed with the statement, provided, however, that a power of attorney for this purpose which is already on file with the Commission may be incorporated by reference. The name and any title of each person who signs the statement shall be typed or printed beneath his signature.

Note: Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See ss.240.13d-7(b) for other parties for whom copies are to be sent.

ATTENTION: INTENTIONAL MISSTATEMENTS OR OMISSIONS OF FACT CONSTITUTE FEDERAL CRIMINAL VIOLATIONS (SEE 18 U.S.C. 1001)

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

Dated: February 1, 2008.

THOMAS H. LEE EQUITY (CAYMAN) FUND V, L.P.

By: THL Equity Advisors V, LLC, its General Partner

By: /s/ Charles P. Holden Name: Charles P. Holden Title: Assistant Treasurer

The original statement shall be signed by each person on whose behalf the statement is filed or his authorized representative. If the statement is signed on behalf of a person by his authorized representative other than an executive officer or general partner of the filing person, evidence of the representative's authority to sign on behalf of such person shall be filed with the statement, provided, however, that a power of attorney for this purpose which is already on file with the Commission may be incorporated by reference. The name and any title of each person who signs the statement shall be typed or printed beneath his signature.

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

Dated: February 1, 2008.

THOMAS H. LEE INVESTORS LIMITED PARTNERSHIP

By: THL Investment Management Corp., its general partner

By: /s/ Charles P. Holden

Name: Charles P. Holden Title: Assistant Treasurer

The original statement shall be signed by each person on whose behalf the statement is filed or his authorized representative. If the statement is signed on behalf of a person by his authorized representative other than an executive officer or general partner of the filing person, evidence of the representative's authority to sign on behalf of such person shall be filed with the statement, provided, however, that a power of attorney for this purpose which is already on file with the Commission may be incorporated by reference. The name and any title of each person who signs the statement shall be typed or printed beneath his signature.

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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.

Dated: February 1, 2008.

THL EQUITY ADVISORS V, LLC

By: /s/ Charles P. Holden

Name: Charles P. Holden Title: Assistant Treasurer

The original statement shall be signed by each person on whose behalf the statement is filed or his authorized representative. If the statement is signed on behalf of a person by his authorized representative other than an executive officer or general partner of the filing person, evidence of the representative's authority to sign on behalf of such person shall be filed with the statement, provided, however, that a power of attorney for this purpose which is already on file with the Commission may be incorporated by reference. The name and any title of each person who signs the statement shall be typed or printed beneath his signature.

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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.

Dated: February 1, 2008.

THOMAS H. LEE ADVISORS, LLC

By: /s/ Charles P. Holden Name: Charles P. Holden Title: Assistant Treasurer

The original statement shall be signed by each person on whose behalf the statement is filed or his authorized representative. If the statement is signed on behalf of a person by his authorized representative other than an executive officer or general partner of the filing person, evidence of the representative's authority to sign on behalf of such person shall be filed with the statement, provided, however, that a power of attorney for this purpose which is already on file with the Commission may be incorporated by reference. The name and any title of each person who signs the statement shall be typed or printed beneath his signature.

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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.

Dated: February 1, 2008.

GREAT-WEST INVESTORS LP

By: /s/ Mark Corbett Name: Mark Corbett Title: Senior Vice President, Investments, Great-West Life & Annuity Insurance Company

By: /s/ Ernie Friesen Name: Ernie Friesen Title: Vice President, Investments,

Great-West Life & Annuity Insurance Company

The original statement shall be signed by each person on whose behalf the statement is filed or his authorized representative. If the statement is signed on behalf of a person by his authorized representative other than an executive officer or general partner of the filing person, evidence of the representative's authority to sign on behalf of such person shall be filed with the statement, provided, however, that a power of attorney for this purpose which is already on file with the Commission may be incorporated by reference. The name and any title of each person who signs the statement shall be typed or printed beneath his signature.

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

Dated: February 1, 2008.

PUTNAM INVESTMENT HOLDINGS, LLC

By: Putnam Investments, LLC, its Managing Member

By: /s/ Robert T. Burns Name: Robert T. Burns Title: Managing Director

The original statement shall be signed by each person on whose behalf the statement is filed or his authorized representative. If the statement is signed on behalf of a person by his authorized representative other than an executive officer or general partner of the filing person, evidence of the representative's authority to sign on behalf of such person shall be filed with the statement, provided, however, that a power of attorney for this purpose which is already on file with the Commission may be incorporated by reference. The name and any title of each person who signs the statement shall be typed or printed beneath his signature.

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

Dated: February 1, 2008.

PUTNAM INVESTMENTS EMPLOYEES' SECURITIES COMPANY I LLC,

- By: Putnam Investment Holdings, LLC, its Managing Member
- By: Putnam Investments, LLC, its Managing Member
- By: /s/ Robert T. Burns Name: Robert T. Burns Title: Managing Director

The original statement shall be signed by each person on whose behalf the statement is filed or his authorized representative. If the statement is signed on behalf of a person by his authorized representative other than an executive officer or general partner of the filing person, evidence of the representative's authority to sign on behalf of such person shall be filed with the statement, provided, however, that a power of attorney for this purpose which is already on file with the Commission may be incorporated by reference. The name and any title of each person who signs the statement shall be typed or printed beneath his signature.

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

Dated: February 1, 2008.

PUTNAM INVESTMENTS EMPLOYEES' SECURITIES COMPANY II LLC,

- By: Putnam Investment Holdings, LLC, its Managing Member
- By: Putnam Investments, LLC, its Managing Member
- By: /s/ Robert T. Burns Name: Robert T. Burns Title: Managing Director

The original statement shall be signed by each person on whose behalf the statement is filed or his authorized representative. If the statement is signed on behalf of a person by his authorized representative other than an executive officer or general partner of the filing person, evidence of the representative's authority to sign on behalf of such person shall be filed with the statement, provided, however, that a power of attorney for this purpose which is already on file with the Commission may be incorporated by reference. The name and any title of each person who signs the statement shall be typed or printed beneath his signature.

Note: Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See ss.240.13d-7(b) for other parties for whom copies are to be sent.

ATTENTION: INTENTIONAL MISSTATEMENTS OR OMISSIONS OF FACT CONSTITUTE FEDERAL CRIMINAL VIOLATIONS (SEE 18 U.S.C. 1001)

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