(Rule 13d-102)

Information to be Included in Statements Filed Pursuant to Rule 13d-1(b), (c) and (d) and Amendments Thereto Filed Pursuant to Rule 13d-2.

SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

Under the Securities Exchange Act of 1934 (Amendment No. 1)*

ASPEN TECHNOLOGY, INC.
(Name of Issuer)
Common Stock
(Title of Class of Securities)
045327103
(CUSIP Number)
12/31/2016
(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-1(b)
- [_] Rule 13d-1(c)
- [_] Rule 13d-1(d)

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).

^{*} 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.

CUSIP No. 045	327103 13G	
	PORTING PERSON Partners Limited Partnership	
2 CHECK THE A	APPROPRIATE BOX IF A MEMBER OF A GROUP (a	·) [_]
Not Appli		, [_]
3 SEC USE ON	ILY	
Delaware	P OR PLACE OF ORGANIZATION	
NUMBER OF SHARES	5 SOLE VOTING POWER None	
BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	6 SHARED VOTING POWER	
	7 SOLE DISPOSITIVE POWER None	
	8 SHARED DISPOSITIVE POWER	
9 AGGREGATE	AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
10 CHECK BOX : (see Instri Not Appli		[_]
11 PERCENT OF 0.0%	CLASS REPRESENTED BY AMOUNT IN ROW (9)	
 12 TYPE OF RE	PORTING PERSON	

CUSIP No. 045	327103 13G	
	PORTING PERSON Investments GP LLC	
2 CHECK THE /	APPROPRIATE BOX IF A MEMBER OF A GROUP (a) [_]
Not Appli		, [-]
3 SEC USE ON	ILY	
Delaware	P OR PLACE OF ORGANIZATION	
NUMBER OF SHARES	5 SOLE VOTING POWER None	
BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	6 SHARED VOTING POWER	
	7 SOLE DISPOSITIVE POWER None	
	8 SHARED DISPOSITIVE POWER	
9 AGGREGATE	AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
10 CHECK BOX (see Instr Not Appli		[_]
11 PERCENT OF 0.0%	CLASS REPRESENTED BY AMOUNT IN ROW (9)	
	PORTING PERSON	

CUSIP No. 045	327103 13G	
	PORTING PERSON Partners Holdings LP	
2 CHECK THE A	APPROPRIATE BOX IF A MEMBER OF A GROUP (a)) [_]) [_]
Not Appli		, [_]
3 SEC USE ON	ILY	
Delaware	P OR PLACE OF ORGANIZATION	
NUMBER OF SHARES	5 SOLE VOTING POWER None	
BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	6 SHARED VOTING POWER -	
	7 SOLE DISPOSITIVE POWER None	
	8 SHARED DISPOSITIVE POWER	
9 AGGREGATE	AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
10 CHECK BOX : (see Instri Not Appli		[_]
11 PERCENT OF 0.0%	CLASS REPRESENTED BY AMOUNT IN ROW (9)	
	PORTING PERSON	

CUSIP No. 045	327103 13G	
	PORTING PERSON Partners Asset Management Inc.	
		(a) [_] (b) [_]
3 SEC USE ON		
Delaware	P OR PLACE OF ORGANIZATION	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5 SOLE VOTING POWER None 6 SHARED VOTING POWER - 7 SOLE DISPOSITIVE POWER None 8 SHARED DISPOSITIVE POWER	
9 AGGREGATE	- AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
10 CHECK BOX (see Instr Not Appli		[_]
0.0%	CLASS REPRESENTED BY AMOUNT IN ROW (9)	
12 TYPE OF RE	PORTING PERSON uctions)	

Item 1(a) Name of Issuer:

ASPEN TECHNOLOGY, INC.

Item 1(b) Address of Issuer's Principal Executive Offices:

20 Crosby Drive, Bedford, Massachusetts, 01730

Item 2(a) Name of Person Filing:

Artisan Partners Limited Partnership ("APLP")
Artisan Investments GP LLC ("Artisan Investments")
Artisan Partners Holdings LP ("Artisan Holdings")
Artisan Partners Asset Management Inc. ("APAM")

Item 2(b) Address of Principal Business Office:

875 East Wisconsin Avenue, Suite 800 Milwaukee, WI 53202

Item 2(c) Citizenship:

APLP is a Delaware limited partnership Artisan Investments is a Delaware limited liability company Artisan Holdings is a Delaware limited partnership APAM is a Delaware corporation

Item 2(d) Title of Class of Securities:

Common Stock

Item 2(e) CUSIP Number:

045327103

Item 3 Type of Person:

- (e) APLP is an investment adviser registered under section 203 of the Investment Advisers Act of 1940.
- (g) Artisan Holdings is the sole limited partner of APLP and the sole member of Artisan Investments; Artisan Investments is the general partner of APLP; APAM is the general partner of Artisan Holdings.

Item 4 Ownership(at 12/31/2016):

(a) Amount owned "beneficially" within the meaning of rule 13d-3:

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(b) Percent of class:

0.0% (based on 76,072,181 shares outstanding as of 1/19/2017)

- (c) Number of shares as to which such person has:
 - (i) sole power to vote or to direct the vote:

None

(ii) shared power to vote or to direct the vote:

-

(iii) sole power to dispose or to direct the disposition
 of:

None

-

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 [X].

Item 6 Ownership of More than Five Percent on Behalf of Another Person:

Not Applicable

Item 7 Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company or Control Person:

Not Applicable

Item 8 Identification and Classification of Members of the Group:

Not Applicable

Not Applicable

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 or with 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 that purpose or effect.

Signature

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: 2/3/2017

ARTISAN PARTNERS ASSET MANAGEMENT INC, for itself and as the general partner of ARTISAN PARTNERS HOLDINGS LP

By: Gregory K. Ramirez *

ARTISAN INVESTMENTS GP LLC, for itself and as the general partner of ARTISAN PARTNERS LIMITED PARTNERSHIP

By: Gregory K. Ramirez *

*By: /s/ Gregory K. Ramirez

Gregory K. Ramirez Senior Vice President of Artisan Partners Asset Management Inc. Vice President of Artisan Investments GP LLC

Exhibit Index

Exhibit 1 Joint Filing Agreement dated 2/3/2017 by and among Artisan Partners Limited Partnership, Artisan Investments GP LLC, Artisan Partners Holdings LP, and Artisan Partners Asset Management Inc.

JOINT FILING AGREEMENT

The undersigned hereby agree to the joint filing of the Schedule 13G to which this Agreement is attached.

Dated: 2/3/2017

ARTISAN PARTNERS ASSET MANAGEMENT INC, for itself and as the general partner of ARTISAN PARTNERS HOLDINGS LP

By: Gregory K. Ramirez *

ARTISAN INVESTMENTS GP LLC, for itself and as the general partner of ARTISAN PARTNERS LIMITED PARTNERSHIP

By: Gregory K. Ramirez *

*By: /s/ Gregory K. Ramirez

Gregory K. Ramirez
Senior Vice President of
Artisan Partners Asset
Management Inc.
Vice President of Artisa

Vice President of Artisan Investments GP LLC