Mellanox Technologies, Ltd. Form SC 13D/A January 02, 2018

UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

SCHEDULE 13D

(Rule 13d-101)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT

TO § 240.13d-1(a) AND AMENDMENTS THERETO FILED PURSUANT TO

§ 240.13d-2(a)

(Amendment No. 1)¹

Mellanox Technologies, Ltd.

(Name of Issuer)

Ordinary Shares, nominal value NIS 0.0175 per share

(Title of Class of Securities)

<u>M51363113</u>

(CUSIP Number)

JEFFREY C. SMITH

STARBOARD VALUE LP

777 Third Avenue, 18th Floor

New York, New York 10017

(212) 845-7977

STEVE WOLOSKY, ESQ.

ANDREW FREEDMAN, ESQ.

OLSHAN FROME WOLOSKY LLP

1325 Avenue of the Americas

New York, New York 10019

(212) 451-2300

(Name, Address and Telephone Number of Person

Authorized to Receive Notices and Communications)

December 28, 2017

(Date of Event Which Requires Filing of This Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of §§ 240.13d-1(e), 240.13d-1(f) or 240.13d-1(g), check the following box ".

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

1 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 disclosures provided in a prior cover page.

The information required on 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*).

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OWNED BY	8	SHARED VOTING POWER
EACH REPORTING		- 0 -
PERSON WITH	9	SOLE DISPOSITIVE POWER
	10	5,466,621 SHARED DISPOSITIVE POWER

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

5,466,621* CHECK BOX IF THE AGGREGATE 12 AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES

PERCENT OF CLASS
 REPRESENTED BY
 AMOUNT IN ROW (11)

	10.7%
14	TYPE OF REPORTING
14	PERSON

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* Includes 460,000 shares underlying certain call options exercisable within 60 days hereof.

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OWNED BY	8	SHARED VOTING POWER
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PERSON WITH	9	SOLE DISPOSITIVE POWER
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	AGGREGATE AMOUNT
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	EACH REPORTING PERSON
	3,758,713*
	CHECK BOX IF THE
	AGGREGATE
12	AMOUNT IN ROW
	(11) EXCLUDES
	CERTAIN SHARES
	PERCENT OF CLASS
13	REPRESENTED BY AMOUNT
	IN ROW (11)
	7.4%
14	TYPE OF REPORTING
	PERSON
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* Includes 460,000 shares underlying certain call options exercisable within 60 days hereof.

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11 BENEFICIALLY OWNED BY EACH REPORTING PERSON

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	AMOUNT IN ROW (11)

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247,597 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES

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13	REPRESENTED BY
	AMOUNT IN ROW (11)

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14	Less than 1% TYPE OF REPORTING PERSON
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PERSON WITH	9	SOLE DISPOSITIVE POWER
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14	Less than 1% TYPE OF REPORTING PERSON
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OWNED BY	8	SHARED VOTING POWER
EACH REPORTING		- 0 -
PERSON WITH	9	SOLE DISPOSITIVE POWER
	10	456,609 SHARED DISPOSITIVE

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11	- 0 - AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
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13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)
14	Less than 1% TYPE OF REPORTING PERSON

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PERSON WITH	9	SOLE DISPOSITIVE POWER	
		456,609	
	10	SHARED DISPOSITIVE	

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11	- 0 - AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
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14	Less than 1% TYPE OF REPORTING PERSON
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OWNED BY	8	SHARED VOTING POWER	
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	10	456,609 SHARED DISPOSITIVE	

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11	- 0 - AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
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13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)
14	Less than 1% TYPE OF REPORTING PERSON
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11	- 0 - AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
12	5,466,621* CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)
14	10.7% TYPE OF REPORTING PERSON
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* Includes 460,000 shares underlying certain call options exercisable within 60 days hereof.

1	NAME OF REPORTING PERSON		
2	CO LP CHECK T APPROPR	RIATE MEMBER ^(a)	
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OWNED BY	8	SHARED VOTING	
EACH REPORTING		POWER - 0 -	
PERSON WITH	9	SOLE DISPOSITIVE POWER	
	10	5,466,621 SHARED DISPOSITIVE POWER	

11	- 0 - AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
12	5,466,621* CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)
14	10.7% TYPE OF REPORTING PERSON
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* Includes 460,000 shares underlying certain call options exercisable within 60 days hereof.

1	NAME OF REPORTING PERSON	
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OWNED BY	8	SHARED VOTING
EACH REPORTING		POWER - 0 -
PERSON WITH	9	SOLE DISPOSITIVE POWER
	10	5,466,621 SHARED DISPOSITIVE POWER

11	- 0 - AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
12	5,466,621* CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)
14	10.7% TYPE OF REPORTING PERSON
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* Includes 460,000 shares underlying certain call options exercisable within 60 days hereof.

1	NAME OF I PERSON	REPORTING
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SHARES BENEFICIALLY		- 0 -
OWNED BY	8	SHARED VOTING POWER
EACH REPORTING		5,466,621
PERSON WITH	9	SOLE DISPOSITIVE POWER
	10	- 0 - SHARED DISPOSITIVE POWER

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11	5,466,621 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
12	5,466,621* CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)
14	10.7% TYPE OF REPORTING PERSON
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* Includes 460,000 shares underlying certain call options exercisable within 60 days hereof.

1	NAME OF D PERSON	REPORTING
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OWNED BY	8	SHARED VOTING POWER
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11	5,466,621 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
12	5,466,621* CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)
14	10.7% TYPE OF REPORTING PERSON
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* Includes 460,000 shares underlying certain call options exercisable within 60 days hereof.

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OWNED BY	8	SHARED VOTING POWER
EACH REPORTING		5,466,621
PERSON WITH	9	SOLE DISPOSITIVE POWER
	10	- 0 - SHARED DISPOSITIVE POWER

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11	5,466,621 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
12	5,466,621* CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)
14	10.7% TYPE OF REPORTING PERSON
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* Includes 460,000 shares underlying certain call options exercisable within 60 days hereof.

The following constitutes Amendment No. 1 to the Schedule 13D filed by the undersigned ("Amendment No. 1"). This Amendment No. 1 amends the Schedule 13D as specifically set forth herein.

Item 3. <u>Source and Amount of Funds or Other Consideration</u>. Item 3 is hereby amended and restated to read as follows:

The Shares purchased by each of Starboard V&O Fund, Starboard S LLC, Starboard C LP, and Starboard Papa LLC, and held in the Starboard Value LP Account were purchased with working capital (which may, at any given time, include margin loans made by brokerage firms in the ordinary course of business) in open market purchases, except as otherwise noted, as set forth in Schedule A, which is incorporated by reference herein. The aggregate purchase price of the 3,298,713 Shares beneficially owned by Starboard V&O Fund is approximately \$154,398,296, excluding brokerage commissions. The aggregate purchase price of certain call options exercisable into 460,000 Shares beneficially owned by Starboard V&O Fund is approximately \$11,416,326, excluding brokerage commissions. The aggregate purchase beneficially owned by Starboard S LLC is approximately \$20,691,598, excluding brokerage commissions. The aggregate commissions. The aggregate purchase price of the 456,609 Shares beneficially owned by Starboard Papa LLC is approximately \$22,979,261, excluding brokerage commissions. The aggregate purchase price of the 563,567 Shares held in the Starboard Value LP Account is approximately \$26,539,458, excluding brokerage commissions.

Item 5.Interest in Securities of the Issuer.Items 5(a) – (c) are hereby amended and restated to read as follows:

The aggregate percentage of Shares reported owned by each person named herein is based upon 50,928,819 Shares outstanding, as of October 27, 2017, which is the total number of Shares outstanding as reported in the Issuer's Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on November 3, 2017.

A. Starboard V&O Fund (a) including 460,000 Shares underlying certain call options. Percentage: Approximately 7.4%

1. Sole power to vote or direct vote: 3,758,713

(b)

- Shared power to vote or direct vote: 0
 Sole power to dispose or direct the disposition: 3,758,713
- 4. Shared power to dispose or direct the disposition: 0

(c) The transaction in the Shares by Starboard V&O Fund since the filing of the Schedule 13D is set forth in Schedule A and is incorporated herein by reference.

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Starboard S LLC

As of the close of business on January 2, 2018, Starboard S LLC beneficially owned 440,135 Shares. (a) Percentage: Less than 1%

(b)

1. Sole power to vote or direct vote: 440,135

2. Shared power to vote or direct vote: 0

3. Sole power to dispose or direct the disposition: 440,135

4. Shared power to dispose or direct the disposition: 0

(c) Starboard S LLC has not entered into any transactions in the Shares since the filing of the Schedule 13D. Starboard C LP C.

As of the close of business on January 2, 2018, Starboard C LP beneficially owned 247,597 Shares. (a) Percentage: Less than 1%

1. Sole power to vote or direct vote: 247,597

(b)

2. Shared power to vote or direct vote: 0

3. Sole power to dispose or direct the disposition: 247,597

4. Shared power to dispose or direct the disposition: 0

Starboard C LP has not entered into any transactions in the Shares since the filing of the Schedule 13D. (c) D. Starboard R LP

Starboard R LP, as the general partner of Starboard C LP, may be deemed the beneficial owner of the 247,597 (a) shore owned by Starboard C LP, may be deemed the beneficial owner of the 247,597 shares owned by Starboard C LP.

Percentage: Less than 1%

(b) 2. Shared power to d 3. Sole power to d	 Sole power to vote or direct vote: 247,597 Shared power to vote or direct vote: 0
	3. Sole power to dispose or direct the disposition: 247,597
	4. Shared power to dispose or direct the disposition: 0

Starboard R LP has not entered into any transactions in the Shares since the filing of the Schedule 13D. (c) Starboard R GP E.

(a) starboard R GP, as the general partner of Starboard R LP, may be deemed the beneficial owner of the 247,597 shares owned by Starboard C LP.

Percentage: Less than 1%

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CUSIP NO. M51363113	
(b)	 Sole power to vote or direct vote: 247,597 Shared power to vote or direct vote: 0 Sole power to dispose or direct the disposition: 247,597 Shared power to dispose or direct the disposition: 0
J	entered into any transactions in the Shares since the filing of the Schedule 13D. F. Starboard Papa LLC ess on January 2, 2018, Starboard Papa LLC beneficially owned 456,609 Shares.
(b)	 Sole power to vote or direct vote: 456,609 Shared power to vote or direct vote: 0 Sole power to dispose or direct the disposition: 456,609 Shared power to dispose or direct the disposition: 0
G	member of Starboard Papa LLC may be deemed the beneficial owner of the 456 609
	1. Sole power to vote or direct vote: 456,609

(b)

- 2. Shared power to vote or direct vote: 0
- 3. Sole power to dispose or direct the disposition: 456,609
- 4. Shared power to dispose or direct the disposition: 0
- (c)Starboard Leaders Fund has not entered into any transactions in the Shares since the filing of the Schedule 13D. H. Starboard A LP

(a) Starboard A LP, as the general partner of Starboard Leaders Fund and the managing member of Starboard Papa LLC, may be deemed the beneficial owner of the 456,609 Shares owned by Starboard Papa LLC. Percentage: Less than 1%

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CUSIP NO. M51363113

	1. Sole power to vote or direct vote: 456,609
	2. Shared power to vote or direct vote: 0
(b)	3. Sole power to dispose or direct the disposition: 456,609
	4. Shared power to dispose or direct the disposition: 0

(c) Starboard A LP has not entered into any transactions in the Shares since the filing of the Schedule 13D.
 I. Starboard A GP

(a) Starboard A GP, as the general partner of Starboard A LP, may be deemed the beneficial owner of the 456,609 Shares owned by Starboard Papa LLC.

Percentage: Less than 1%

(b)

1. Sole power to vote or direct vote: 456,609

2. Shared power to vote or direct vote: 0

3. Sole power to dispose or direct the disposition: 456,609

4. Shared power to dispose or direct the disposition: 0

(c) Starboard A GP has not entered into any transactions in the Shares since the filing of the Schedule 13D.
 J. Starboard Value LP

As of the close of business on January 2, 2018, 563,567 Shares were held in the Starboard Value LP Account. Starboard Value LP, as the investment manager of Starboard V&O Fund, Starboard C LP, Starboard Papa LLC, (a) the Starboard Value LP Account and the manager of Starboard S LLC, may be deemed the beneficial owner of the (i) 3,758,713 Shares owned by Starboard V&O Fund, (ii) 440,135 Shares owned by Starboard S LLC, (iii)

247,597 Shares owned by Starboard C LP, (iv) 456,609 Shares owned by Starboard Papa LLC, and (v) 563,567 Shares held in the Starboard Value LP Account.

Percentage: Approximately 10.7%

(b)

1. Sole power to ve	ote or direct vote: 5,466,621
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- 2. Shared power to vote or direct vote: 0
- 3. Sole power to dispose or direct the disposition: 5,466,621

4. Shared power to dispose or direct the disposition: 0

Starboard Value LP has not entered into any transactions in the Shares since the filing of the Schedule 13D. The (c)transaction in the Shares on behalf of Starboard V&O Fund since the filing of the Schedule 13D is set forth in Schedule A and is incorporated herein by reference.

K. Starboard Value GP
Starboard Value GP, as the general partner of Starboard Value LP, may be deemed the beneficial owner of the (i) 3,758,713 Shares owned by Starboard V&O Fund, (ii) 440,135 Shares owned by Starboard S LLC, (iii) 247,597
(a) Shares owned by Starboard C LP, (iv) 456,609 Shares owned by Starboard Papa LLC, and (v) 563,567 Shares held in the Starboard Value LP Account.
Percentage: Approximately 10.7%

(b)
1. Sole power to vote or direct vote: 5,466,621
2. Shared power to vote or direct vote: 0
3. Sole power to dispose or direct the disposition: 5,466,621
4. Shared power to dispose or direct the disposition: 0

Starboard Value GP has not entered into any transactions in the Shares since the filing of the Schedule 13D. The (c)transaction in the Shares on behalf of Starboard V&O Fund since the filing of the Schedule 13D is set forth in Schedule A and is incorporated herein by reference.

L. Principal Co Principal Co, as a member of Starboard Value GP, may be deemed the beneficial owner of the (i) 3,758,713 Shares

(a) Starboard V&O Fund, (ii) 440,135 Shares owned by Starboard S LLC, (iii) 247,597 Shares owned by Starboard C LP, (iv) 456,609 Shares owned by Starboard Papa LLC, and (v) 563,567 Shares held in the Starboard Value LP Account.

Percentage: Approximately 10.7%

1. Sole power to vote or direct vote: 5,466,621

(b)

- 2. Shared power to vote or direct vote: 0
- 3. Sole power to dispose or direct the disposition: 5,466,621
- 4. Shared power to dispose or direct the disposition: 0

Principal Co has not entered into any transactions in the Shares since the filing of the Schedule 13D. The (c)transaction in the Shares on behalf of Starboard V&O Fund since the filing of the Schedule 13D is set forth in Schedule A and is incorporated herein by reference.

M.

Principal GP

Principal GP, as the general partner of Principal Co, may be deemed the beneficial owner of the (i) 3,758,713 (a) Shares owned by Starboard V&O Fund, (ii) 440,135 Shares owned by Starboard S LLC, (iii) 247,597 Shares

^(a) owned by Starboard C LP, (iv) 456,609 Shares owned by Starboard Papa LLC, and (v) 563,567 Shares held in the Starboard Value LP Account.

Percentage: Approximately 10.7%

1. Sole power to vote or direct vote: 5,466,621

(b)

- Shared power to vote or direct vote: 0
 Sole power to dispose or direct the disposition: 5,466,621
- 4. Shared power to dispose or direct the disposition: 0

Principal GP has not entered into any transactions in the Shares since the filing of the Schedule 13D. The

(c)transaction in the Shares on behalf of Starboard V&O Fund since the filing of the Schedule 13D is set forth in Schedule A and is incorporated herein by reference.

N. Messrs. Smith, Mitchell and Feld
 Each of Messrs. Smith, Mitchell and Feld, as a member of Principal GP and as a member of each of the Management Committee of Starboard Value GP and the Management Committee of Principal GP, may be deemed
 (a) the beneficial owner of the (i) 3,758,713 Shares owned by Starboard V&O Fund, (ii) 440,135 Shares owned by Starboard S LLC, (iii) 247,597 Shares owned by Starboard C LP, (iv) 456,609 Shares owned by Starboard Papa LLC, and (v) 563,567 Shares held in the Starboard Value LP Account.
 Percentage: Approximately 10.7%

1. Sole power to vote or direct vote: 0

(b)

- 2. Shared power to vote or direct vote: 5,466,621
- 3. Sole power to dispose or direct the disposition: 0
- 4. Shared power to dispose or direct the disposition: 5,466,621

None of Messrs. Smith, Mitchell or Feld has entered into any transactions in the Shares since the filing of the (c)Schedule 13D. The transaction in the Shares on behalf of Starboard V&O Fund since the filing of the Schedule 13D is set forth in Schedule A and is incorporated herein by reference.

Each Reporting Person, as a member of a "group" with the other Reporting Persons for the purposes of Section 13(d)(3) of the Securities Exchange Act of 1934, as amended, may be deemed the beneficial owner of the Shares directly owned by the other Reporting Persons. Each Reporting Person disclaims beneficial ownership of such Shares except to the extent of his or its pecuniary interest therein.

Item 6. <u>Contracts, Arrangements, Understandings or Relationships With Respect to Securities of the Issuer</u>. Item 6 is hereby amended to add the following:

On December 28, 2017, Starboard V&O Fund exercised all forward purchase contracts previously described in the Schedule 13D and thereby acquired 1,640,000 Shares in the aggregate. Accordingly, Starboard V&O Fund is no longer a party to any forward purchase contracts.

As previously disclosed in the Schedule 13D, Starboard V&O Fund purchased in the over-the-counter market European-style call options referencing an aggregate of 460,000 Shares (representing less than 1% of the outstanding Shares) having an aggregate purchase price of \$11,416,326 (the "Call Options"). The Call Options have a strike price of \$25.00 per Share and expire on February 28, 2018. The Call Options are not exercisable until the expiration date, and accordingly, the Reporting Persons do not have voting or dispositive control over the Shares underlying the Call Options until and unless exercised on such date.

SIGNATURES

After reasonable inquiry and to the best of his knowledge and belief, each of the undersigned certifies that the information set forth in this statement is true, complete and correct.

Dated: January 2, 2018

STARBOARD VALUE AND OPPORTUNITY MASTER FUND LTD	STARBOARD VALUE A LP
By: Starboard Value LP,	By: Starboard Value A GP LLC,
its investment manager	its general partner
Starboard Value and Opportunity S LLC	STARBOARD VALUE LP
By: Starboard Value LP,	By: Starboard Value GP LLC,
its manager	its general partner
Starboard Value and Opportunity C LP	STARBOARD VALUE GP LLC
By: Starboard Value R LP,	By: Starboard Principal Co LP,
its general partner	its member
STARBOARD VALUE R LP	STARBOARD PRINCIPAL CO LP
By: Starboard Value R GP LLC,	By: Starboard Principal Co GP LLC,
its general partner	its general partner
STARBOARD LEADERS PAPA LLC	STARBOARD PRINCIPAL CO GP LLC
By: Starboard Value A LP,	
its managing member	Starboard Value A GP LLC
Starboard Leaders Fund LP	Starboard Value R GP LLC

By: Starboard Value A LP,

its general partner

By:/s/ Jeffrey C. Smith Name: Jeffrey C. Smith Title: Authorized Signatory

/s/ Jeffrey C. Smith Jeffrey C. Smith Individually and as attorney-in-fact for Mark R. Mitchell and Peter A. Feld

SCHEDULE A

Transaction in the Shares Since the Filing of the Schedule 13D

 Amount of Securities
 Date of

 Nature of the Transaction
 Price (\$)

 Purchased/(Sold)
 Purchase/Sale

STARBOARD VALUE AND OPPORTUNITY MASTER FUND LTD

Exercise of Forward Contract 1,640,00045.725812/28/2017