SANDISK CORP Form SC 13G/A September 11, 2017

# UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

SCHEDULE 13G

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

NAME OF ISSUER: SanDisk Corporation

TITLE OF CLASS OF SECURITIES: Convertible Notes

CUSIP NUMBER: 80004CAD3

DATE OF EVENT WHICH REQUIRES FILING OF THIS STATEMENT: August 31, 2017

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 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).

CUSIP NUMBER: 80004CAD3

- (1) Names of Reporting Persons The Bank of New York Mellon Corporation IRS Identification Nos. of Above Persons IRS No.13-2614959
- (2) Check the Appropriate Box if a Member of a Group (See Instructions)
  (a) ( ) (b) ( )
- (3) SEC use only
- (4) Citizenship or Place of Organization New York

Number of Shares (5) Sole Voting Power 0
Beneficially
Owned by Each (6) Shared Voting Power 0
Reporting Person
With (7) Sole Dispositive Power 0

(8) Shared Dispositive Power 0

- (9) Aggregate Amount Beneficially Owned by Each Reporting Person
- (10) Check if the Aggregated Amount in Row (9) Excludes Certain

Shares (see Instructions)		( )
(11) Percent of Class Represented by Amount in Row (9)		0.00%
(12) Type of Reporting Person	(See Instructions)	НС
CUSIP NUMBER: 80004CAD3		
(1) Names of Reporting Per IRS Identification Nos	sons BNY MELLON, NATIONA . of Above Persons IRS	L ASSOCIATION No.25-0659306
(2) Check the Appropriate (a) ( ) (b) ( )	Box if a Member of a Group (See	Instructions)
(3) SEC use only		
(4) Citizenship or Place o	f Organization	New York
Number of Shares Beneficially Owned by Each Reporting Person With	(5) Sole Voting Power	0
	(6) Shared Voting Power	0
	(7) Sole Dispositive Power	0
	(8) Shared Dispositive Power	0
(9) Aggregate Amount Benefici by Each Reporting Person	ally Owned	
(10) Check if the Aggregated As Shares (see Instructions)	mount in Row (9) Excludes Certai	n ( )
(11) Percent of Class Represen	ted by Amount in Row (9)	0.00%
(12) Type of Reporting Person	(See Instructions)	ВК
	SCHEDULE 13G	
Item 1(a) Name of Issuer:	SanDisk Corporation	
Item 1(b) Address of Issuer	's Principal Executive Office: 951 SanDisk Drive Milpitas, California 95035 United States	
Item 2(a) Name of Person Fi	ling: The Bank of New York Mel and any other reporting identified on the second cover page(s) and Exhibi	person(s) part of the
Item 2(b) Address of Princ	ipal Business Office, or if None C/O The Bank of New York Me 225 Liberty Street New York, New York 1028 (for all reporting pers	llon Corporation
<pre>Item 2(c) Citizenship:</pre>	See cover page and Exhibi	t I

Item 2(d) Title of Class of Securities: Convertible Notes

CUSIP Number 80004CAD3

Item 3 See Item 12 of cover page(s) ("Type of Reporting
Person ") for each reporting person.

Symbol Category

- BD = Broker or Dealer registered under Section 15 of the Securities Exchange Act of 1934
- BK = Bank as defined in Section 3(a)(6) of the Securities Exchange Act of 1934
- ${
  m IV} = {
  m Investment}$  Company registered under Section 8 of the  ${
  m Investment}$  Company Act of 1940
- IA = Investment Advisor registered under Section 203 of the Investment Advisors Act of 1940
- EP = Employee Benefit Plan, Pension Fund which is subject
  to the provisions of the Employee Retirement Income
  Security Act of 1974 or Endowment Fund; see
  Section 240.13 d(1)(b)(1)(ii)(F)
- HC = Parent Holding Company, in accordance with Section 240.13-d(1)(b)(1)(ii)(G)

The amount beneficially owned includes, where appropriate, securities not outstanding which are subject to options, warrants, rights or conversion privileges that are exercisable within 60 days. The securities reported herein as beneficially owned may exclude securities of the issuer with respect to which voting and/or dispositive power is exercised by subsidiaries of The Bank of New York Mellon Corporation, or departments or units thereof, independently from the exercise of those powers over the securities reported herein. See SEC Release No. 34-39538 (January 12, 1998). The filing of this Schedule 13G shall not be construed as an admission that The Bank of New York Mellon Corporation, or its direct or indirect subsidiaries, including The Bank of New York Mellon and BNY Mellon, National Association, are for the purposes of Section 13(d) or 13(g) of the Act, the beneficial owners of any securities covered by this Schedule 13G.

The following information applies if checked: ( ) The Bank of New York Mellon and/or ( ) The Bank of New York Mellon Trust Company, National Association is/are the trustee of the issuer's employee benefit plan (the Plan), which is subject to ERISA. The securities reported include all shares held of record by such reporting person(s) as trustee of the Plan which have not been allocated to the individual accounts of employee participants in the Plan. The reporting person, however, disclaims beneficial ownership of all shares that have been allocated to the individual accounts of employee participants in the Plan for which directions have been received and followed.

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:

All of the securities are beneficially owned by The Bank of New York Mellon Corporation and its direct or indirect subsidiaries in their various fiduciary capacities. As a result, another entity in every instance is entitled to dividends or proceeds of sale. The number of individual accounts holding an interest of 5% or more is ( )

- Item 8 Identification and Classification of Members of the Group: N/A
- Item 9 Notice of Dissolution of Group: N/A

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 such securities and were not acquired and are not held in connection with or as a participant in any transaction having such 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. This filing is signed by The Bank of New York Mellon Corporation on behalf of all reporting entities pursuant to Rule 13d-1(k)(1) promulgated under the Securities and Exchange Act of 1934, as amended.

Date: September 11, 2017

THE BANK OF NEW YORK MELLON CORPORATION

By: /s/ IVAN R. ARIAS
----Ivan R. Arias

Ivan R. Arias
Attorney-In-Fact

#### EXHIBIT I

The shares reported on the attached Schedule 13G are beneficially owned by the following direct or indirect subsidiaries of The Bank of New York Mellon Corporation, as marked (X):

- (A) The Item 3 classification of each of the subsidiaries listed below is "Item 3(b) Bank as defined in Section 3(a)(6) of the Act" (15 U.S.C. 78c) or "Item 3(j)A non-U.S. institution in accordance with Rule 240.13d-1 (b)(1)(ii)(J)"
  - ( ) The Bank of New York Mellon (parent holding company of Mellon Overseas Investment Corporation; BNY International Financing Corporation; The Bank of New York Mellon SA/NV; Cutwater Holdings, LLC)
  - ( ) The Bank of New York Mellon Trust Company, National Association
  - ( ) BNY Mellon, National Association
  - ( ) BNY Mellon Trust of Delaware
  - ( ) The Bank of New York Mellon SA/NV (parent holding company of BNY Mellon Service Kapitalanlage-Gesellschaft mbH)

<ul> <li>() ARX Investimentos Ltda (parent holding company of BN Alocacao de Patrimonia Ltda.)</li> <li>() BNY Mellon Alocacao de Patrimonia Ltda</li> <li>() BNY Mellon Servicos Financeiros Distribuidora de Titulos e Valores Mobiliarios S.A. (parent holding company Mellon Administração de Ativos Ltda.)</li> </ul>	Y Mellon
BNY Mellon Administracao de Ativos Ltda.)	mpany of
<ul> <li>( ) BNY Mellon Administracao de Ativos Ltda.</li> <li>( ) The Boston Company Asset Management LLC</li> <li>( ) The Dreyfus Corporation (parent holding company of MI Corporation)</li> </ul>	BSC Securities
<ul> <li>() Insight Investment Management (Global) Limited</li> <li>() Lockwood Advisors, Inc.</li> <li>() Mellon Capital Management Corporation</li> <li>() Newton Investment Management (North America) Limited</li> <li>() Newton Investment Management Limited</li> <li>() Standish Mellon Asset Management Company LLC</li> </ul>	
<ul> <li>() CenterSquare Investment Management Holdings, Inc.(parcompany of CenterSquare Investment Management, Inc.)</li> <li>() CenterSquare Investment Management, Inc.</li> <li>() Walter Scott &amp; Partners Limited</li> <li>() BNY Mellon Wealth Management, Advisory Services, Inc.</li> <li>() BNY Mellon Trust Company(Cayman) Limited</li> </ul>	
<ul> <li>() BNY Mellon Investment Management Cayman Limited</li> <li>() Cutwater Asset Management Corporation</li> <li>() Cutwater Investor Services Corporation</li> <li>() Pareto Investment Management Limited</li> <li>() BNY Mellon Asset Management Japan Limited</li> </ul>	
(C) The Item 3 classification of each of the subsidiaries list "Item 3(a) Broker or dealer registered under Section 15 of (15 U.S.C. 78c) or "Item 3(j) A non-U.S. institution in a Rule 240.13d-1(b)(1)(ii)(J)"	f the Act"
<ul><li>( ) BNY Mellon Capital Markets, LLC</li><li>( ) MBSC Securities Corporation</li><li>( ) Pershing LLC</li></ul>	
(D) The Item 3 classification of each of the subsidiaries list "Item 3(g) a parent holding company or control person in a Rule 13d-1(b)(1)(ii)(G)"	
<ul> <li>( ) The Bank of New York Mellon Corporation</li> <li>( ) B.N.Y. Holdings (Delaware) Corporation (parent holding BNY Mellon Trust of Delaware)</li> <li>( ) BNY Mellon IHC, LLC (parent holding company of MBC In</li> </ul>	
Corporation)  () MBC Investments Corporation (parent holding company of Management Corporation; BNY Mellon Investment Management Ltd.; BNY Mellon Investment Management APAC LP; Stand Management Company LLC; The Boston Company Asset Management Dreyfus Corporation; ARX Investimentos Ltda B:	of Mellon Capital ment(Jersey) dish Mellon Asset agement LLC;
<ul> <li>() BNY Mellon Investment Management (Jersey) Ltd. (parer of BNY Mellon Investment Management (Europe) Ltd.)</li> <li>() BNY Mellon Investment Management (Europe) Ltd. (parer of BNY Mellon Investment Management Europe Holdings ENY Mellon Investment Management Cayman Ltd.)</li> </ul>	nt holding company nt holding company

- ( ) BNY Mellon Investment Management Europe Holdings Ltd. (parent holding company of BNY Mellon International Asset Management Group Limited)
- ( ) BNY Mellon International Asset Management Group Limited (parent holding company of Newton Management Limited; BNY Mellon International Asset Management (Holdings) Limited; Insight Investment Management Limited)
- () Newton Management Limited (parent holding company of Newton Investment Management (North America) Limited; Newton Investment Management Limited)
- () BNY Mellon International Asset Management (Holdings) Limited (parent holding company of BNY Mellon International Asset Management (Holdings) No. 1 Limited)
- ( ) BNY Mellon International Asset Management (Holdings) No. 1 Limited (parent holding company of Walter Scott & Partners Limited)
- ( ) Insight Investment Management Limited (parent holding company of Insight Investment Management (Global) Limited; Pareto Investment Management Limited)
- ( ) BNY Mellon Investment Management APAC LP (Parent holding company of BNY Mellon Investment Management (APAC) Holdings Limited
- () BNY Mellon Investment Management (APAC) Holdings Limited (parent holding company of BNY Mellon Asset Management Japan Limited)
- ( ) Pershing Group LLC (parent holding company of Lockwood Advisors, Inc; Pershing LLC)
- ( ) Mellon Overseas Investment Corporation (parent holding company of Mellon Canada Holding Company; BNY Mellon Participacoes Ltda.)
- ( ) Mellon Canada Holding Company (parent holding company of BNY Mellon Wealth Management, Advisory Services, Inc)
- () BNY Mellon Participacoes Ltda. (parent holding company of BNY Mellon Servicos Financeiros Distribuidora de Titulos e Valores Mobiliarios S.A.)
- ( ) BNY International Financing Corporation (parent holding company of BNY Mellon Trust Company (Cayman) Limited)
- ( ) Cutwater Holdings LLC (parent holding company of Cutwater Asset Management Corporation; Cutwater Investor Services Corporation)
- () BNY Capital Markets Holdings, Inc. (parent holding company of BNY Mellon Capital Markets, LLC)

NOTE: ALL OF THE LEGAL ENTITIES LISTED UNDER (A), (B), (C) AND (D) ABOVE ARE DIRECT OR INDIRECT SUBSIDIARIES OF THE BANK OF NEW YORK MELLON CORPORATION. BENEFICIAL OWNERSHIP OF MORE THAN FIVE PERCENT OF THE CLASS BY ANY ONE OF THE SUBSIDIARIES OR INTERMEDIATE PARENT HOLDING COMPANIES LISTED ABOVE IS REPORTED ON A JOINT REPORTING PERSON PAGE FOR THAT SUBSIDIARY ON THE ATTACHED SCHEDULE 13G AND IS INCORPORATED IN THE TOTAL PERCENT OF CLASS REPORTED ON THE BANK OF NEW YORK MELLON CORPORATION'S REPORTING PERSON PAGE. (DO NOT ADD THE SHARES OR PERCENT OF CLASS REPORTED ON EACH JOINT REPORTING PERSON PAGE ON THE ATTACHED SCHEDULE 13G TO DETERMINE THE TOTAL PERCENT OF CLASS FOR THE BANK OF NEW YORK MELLON CORPORATION).

#### POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS that each of the undersigned (each a "Company") does hereby make, constitute and appoint each of Nicholas R. Darrow, Ivan Arias and Andrew Weiser (and any other employee of The Bank of New York Mellon Corporation, or one of its affiliates, associated with the Global Holdings Reporting Group and designated in writing by one of the attorneys-in-fact), acting individually, its true and lawful attorney to execute and deliver in its name and on its behalf, whether the Company

is acting individually or as representative of others, any and all filings, be they written or oral, required to be made by the Company with respect to securities which may be deemed to be beneficially owned by the Company or under the Company's investment discretion under:

\*the Securities Exchange Act of 1934, as amended (the "Exchange Act"), including those filings required to be submitted on Form 13F, Schedule 13G, Schedule 13D and Forms 3, 4 and 5, and

\*the laws of any jurisdiction other than the United States of America, including those filings made to disclose securities holdings as required to be submitted to regulatory agencies, exchanges and/or issuers,

giving and granting unto each said attorney-in-fact power and authority to correspond with issuers, regulatory authorities, and other entities as is required in support of the filings referenced above, and to act in the premises as fully and to all intents and purposes as the Company might or could do to comply with the applicable regulations if personally present by one of its authorized signatories (including, but not limited to, instructing local counsel on a Company's behalf), hereby ratifying and confirming all that said attorney-in-fact shall lawfully do or cause

THIS POWER OF ATTORNEY shall remain in full force and effect until either revoked in writing by the Company or until such time as the person or to whom power of attorney has been hereby granted cease(s) to be an persons employee of The Bank of New York Mellon Corporation or one of its affiliates.

This Power of Attorney may be executed in any number of counterparts all of which taken together shall constitute one and the same instrument.

IN WITNESS WHEREOF, the undersigned hereby execute this Agreement effective as of the date set forth below.

| Banks/Bank Holding Companies |

THE BANK OF NEW YORK MELLON CORPORATION

By: /S/ MITCHELL E.HARRIS

Mitchell E. Harris Chief Executive Officer, Investment Management

Date: March 17, 2017

BNY MELLON, NATIONAL ASSOCIATION

By: /S/ THOMAS J. DICKER
----Thomas J. Dicker

Chief Operating Officer Date: October 9, 2015

THE BANK OF NEW YORK MELLON

By: /S/ MITCHELL E. HARRIS

BNY MELLON, NATIONAL ASSOCIATION

By: /S/ DONALD HEBERLE

Donald Heberle Chief Executive Officer

Date: September 16, 2015

THE BANK OF NEW YORK MELLON SA/NV

By: /S/ LAURA AHTO

Laura Ahto

Chief Executive Officer

Date: May 17, 2016

THE BANK OF NEW YORK MELLON

By: /S/ CURTIS ARLEDGE

Mitchell E. Harris Senior Executive Vice President

Date: September 18, 2015

Curtis Arledge Vice Chairman Date: August 26, 2015

THE BANK OF NEW YORK MELLON TRUST COMPANY, NATIONAL ASSOCIATION

THE BANK OF NEW YORK MELLON TRUST COMPANY, NATIONAL ASSOCIATION

By: /S/ ANTONIO PORTUONDO

Antonio Portuondo

President

Date: October 20, 2015

By: /S/ KURTIS R. KURIMSKY

Kurtis R. Kurimsky Executive Vice President

Date: March 8, 2016

BNY MELLON TRUST OF DELAWARE

By: /S/ JAMES P. AMBAGIS

-----James P. Ambagis

President

Date: October 21, 2015

BNY MELLON TRUST OF DELAWARE

By: /S/ LEE JAMES WOOLLEY \_\_\_\_\_

> Lee James Woolley Chairman and

Chief Executive Officer

Date: October 19, 2015

\_\_\_\_\_\_ Investment Advisers and/or Broker-Dealers \_\_\_\_\_\_

PERSHING LLC

BNY MELLON CAPITAL MARKETS, LLC

By: /S/ CLAIRE SANTANIELLO -----

> Claire Santaniello Chief Administrative Officer

and Chief Risk Officer

Date: May 24, 2016

By: /S/ JEFF GEARHART

Jeff Gearhart Chief Operating Officer

Date: October 19, 2016

ARX INVESTIMENTOS LTDA

By: /S/ CAMILA SOUZA

Camila Souza Director

Date: January 4, 2016

ARX INVESTIMENTOS LTDA

By: /S/ GUILHERME ABRY

Guilherme Abry Director

Date: January 4, 2016

BNY MELLON SERVICOS FINANCEIROS DISTRIBUIDORA DE TITULOS E VALORES

MOBILIARIOS S.A.

Carlos Alberto Saraiva

Director

Date: May 5, 2016

BNY MELLON SERVICOS FINANCEIROS DISTRIBUIDORA DE TITULOS E VALORES MOBILIARIOS S.A.

By: /S/ CARLOS ALBERTO SARAIVA By: /S/ MARCUS VINICIUS MATHIAS PEREIRA

Marcus Vinicius Mathias Pereira Director

Date: May 5, 2016

LTDA

BNY MELLON ADMINISTRACAO DE ATIVOS BNY MELLON ADMINISTRACAO DE ATIVOS LTDA

By: /S/ CARLOS ALBERTO SARAIVA

\_\_\_\_\_

Carlos Alberto Saraiva

Director

Date: May 5, 2016

BNY MELLON ALOCACAO DE PATRIMONIO

By: /S/ GUSTAVO CASTELLO BRANCO By: /S/ CAMILA SOUZA

\_\_\_\_\_

Gustavo Castello Branco

Director

Date: January 4, 2016

THE BOSTON COMPANY ASSET MANAGEMENT

LLC

By: /S/ BART GRENIER

Bart Grenier

Chairman and

Chief Executive Officer

Date: July 16, 2015

THE DREYFUS CORPORATION

By: /S/ JAMES BITETTO

James Bitetto Secretary

Date: July 30, 2015

LOCKWOOD ADVISORS, INC.

By: /S/ JOHN J. BRETT

John J. Brett

Chairman

Date: July 30, 2015

MELLON CAPITAL MANAGEMENT

CORPORATION

By: /S/ W. CHRISTOPHER APPLER By: /S/ KENNETH J. BRADLE

W. Christopher Appler Managing Director and

Chief Compliance Officer

Date: August 4, 2015

NEWTON INVESTMENT MANAGEMENT LIMITED

By: /S/ MARCUS VINICIUS MATHIAS PEREIRA

Marcus Vinicius Mathias Pereira

Director

Date: May 5, 2016

BNY MELLON ALOCACAO DE PATRIMONIO

\_\_\_\_\_

Camila Souza

Director

Date: January 4, 2016

BNY MELLON ASSET MANAGEMENT JAPAN

LIMITED

By: /S/ SHIZU KISHIMOTO

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Shizu Kishimoto

Representative Director

and President

Date: August 5, 2015

INSIGHT INVESTMENT MANAGEMENT

(GLOBAL) LIMITED

By: /s/ CHARLES FARQUHARSON

\_\_\_\_\_

Charles Farquharson Chief Risk Officer

Date: February 16, 2016

STANDISH MELLON ASSET MANAGEMENT

COMPANY LLC

By: /S/ DAVID LEDUC

David Leduc

Chief Executive Officer

and Chief Investment Officer

Date: October 23, 2015

MBSC SECURITIES CORPORATION

Kenneth J. Bradle

President

Date: April 29, 2016

NEWTON INVESTMENT MANAGEMENT

(NORTH AMERICA) LIMITED

By: /S/ JAMES HELBY By: /S/ JAMES HELBY \_\_\_\_\_\_ \_\_\_\_\_ James Helby James Helby Director Chief Risk Officer Date: June 30, 2016 Date: July 17, 2015 CENTERSQUARE INVESTMENT MANAGEMENT CENTERSQUARE INVESTMENT MANAGEMENT, HOLDINGS, INC. By: /S/ R. JOSEPH LAW By: /S/ R. JOSEPH LAW \_\_\_\_\_ \_\_\_\_\_ R. Joseph Law R. Joseph Law Chief Financial Officer and
Chief Compliance Officer Chief Financial Officer and Chief Compliance Officer Date: July 15, 2015 Date: July 15, 2015 WALTER SCOTT & PARTNERS LIMITED PARETO INVESTMENT MANAGEMENT LIMITED By: /S/ RODGER NISBET By: /S/ CHARLES FARQUHARSON \_\_\_\_\_ -----Rodger Nisbet Charles Farquharson Executive Chairman Chief Risk Officer Date: July 15, 2015 Date: February 16, 2016 BNY MELLON WEALTH MANAGEMENT, BNY MELLON INVESTMENT MANAGEMENT ADVISORY SERVICES, INC. CAYMAN LTD By: /S/ MARIE-CLAUDE LEPAGE By: /S/ BRENDON J. DONNELLAN \_\_\_\_\_ \_\_\_\_\_ Marie-Claude Lepage Brendon J.Donnellan Chief Compliance Officer Director Date: May 9, 2016 Date: August 22, 2016 BNY MELLON TRUST COMPANY BNY MELLON TRUST COMPANY (CAYMAN) LIMITED (CAYMAN) LIMITED By: CANELLA SECRETARIES By: CANELLA SECRETARIES (CAYMAN) LTD, SECRETARY (CAYMAN) LTD, SECRETARY By: /S/GILLIAN NELSON By: /S/ PATRICIA BRUZIO Gillian Nelson Patricia Bruzio Authorized Person Authorized Person Date: May 17, 2016 Date: May 17, 2016 CUTWATER INVESTOR SERVICES CUTWATER ASSET MANAGEMENT CORPORATION CORPORATION By: /S/ CLIFFORD CORSO By: /S/ CLIFFORD CORSO Clifford Corso Clifford Corso Chief Executive Officer Chief Executive Officer Date: March 16, 2015 Date: March 16, 2015 Chief Executive Officer ------

Parent Holding Companies/Control Persons

B.N.Y. HOLDINGS (DELAWARE) CORPORATION PERSHING GROUP LLC

By: /S/ JAMES P. AMBAGIS

\_\_\_\_\_

James P. Ambagis

President

Date: October 21, 2015

BNY MELLON INVESTMENT MANAGEMENT

(APAC) HOLDINGS LIMITED

By: /S/ EMILY CHAN

\_\_\_\_\_

Emily Chan Director

Date: April 19, 2016

BNY MELLON INTERNATIONAL ASSET

MANAGEMENT GROUP LIMITED

By: /S/ GREG BRISK

\_\_\_\_\_\_

Greg Brisk Director

Date: October 21, 2015

BNY MELLON IHC, LLC

By: /S/ KURTIS R. KURIMSKY

\_\_\_\_\_

Kurtis R. Kurimsky Vice President and

Controller

Date: March 29, 2017

MELLON OVERSEAS INVESTMENT

CORPORATION

By: /S/ KURTIS R. KURIMSKY

\_\_\_\_\_\_

Kurtis R. Kurimsky

Vice President and Controller

Date: October 7, 2015

BNY INTERNATIONAL FINANCING

CORPORATION

By: /S/ KURTIS R. KURIMSKY

\_\_\_\_\_

Kurtis R. Kurimsky

President and Comptroller

Date: May 12, 2016

By: /S/ CLAIRE SANTANIELLO

\_\_\_\_\_

Claire Santaniello

Chief Administrative Officer

and Chief Risk Officer

Date: May 11, 2016

BNY MELLON INVESTMENT MANAGEMENT

(APAC) HOLDINGS LIMITED

By: /S/ DONI SHAMSUDDIN

\_\_\_\_\_ Doni Shamsuddin

Director

Date: April 19, 2016

NEWTON MANAGEMENT LIMITED

By: /S/ HELENA MORRISSEY

\_\_\_\_\_

Helena Morrissey

Director

Date: July 17, 2015

MBC INVESTMENTS CORPORATION

By: /S/ PAUL A. GRIFFITHS

\_\_\_\_\_

Paul A. Griffiths Chairman, President and

Chief Executive Officer

Date: April 29, 2016

INSIGHT INVESTMENT MANAGEMENT

LIMITED

By: /S/ CHARLES FARQUHARSON

\_\_\_\_\_

Charles Farquharson Chief Risk Officer

Date: February 16, 2016

BNY INTERNATIONAL FINANCING

CORPORATION

By: /S/ JOHN M. ROY

\_\_\_\_\_

John M. Roy

Vice President

Date: August 15, 2016

BNY MELLON INVESTMENT MANAGEMENT BNY MELLON INVESTMENT MANAGEMENT EUROPE HOLDINGS LIMITED (EUROPE) LIMITED By: /S/ GREG BRISK By: /S/ GREG BRISK \_\_\_\_\_ \_\_\_\_\_ Greg Brisk Greg Brisk Director Director Date: October 21, 2015 Date: October 21, 2015 BNY MELLON INVESTMENT MANAGEMENT BNY CAPITAL MARKETS HOLDINGS, INC. (JERSEY) LIMITED By: /S/ GREG BRISK By: /S/ THOMAS P. GIBBONS \_\_\_\_\_\_ \_\_\_\_\_ Thomas P. Gibbons Greg Brisk Director Vice Chairman and Chief Financial Officer Date: October 21, 2015 Date: October 24, 2015 BNY MELLON INTERNATIONAL ASSET MANAGEMENT (HOLDINGS) LIMITED BNY MELLON INTERNATIONAL ASSET MANAGEMENT (HOLDINGS) No. 1 LIMITED By: /S/ GREG BRISK By: /S/ GREG BRISK \_\_\_\_\_\_ \_\_\_\_\_ Greg Brisk Greg Brisk Director Director Date: October 21, 2015 Date: October 21, 2015 MELLON CANADA HOLDING COMPANY CUTWATER HOLDINGS, LLC By: /S/ CLIFFORD CORSO By: /S/ KELLY SCHWARTZ \_\_\_\_\_ \_\_\_\_\_ Kelly Schwartz Clifford Corso Chief Executive Officer President and Director Date: May 3, 2016 Date: March 16, 2015 BNY MELLON PARTICIPACOES LTDA BNY MELLON PARTICIPACOES LTDA By: /S/ CARLOS ALBERTO SARAIVA By: /S/ MARCUS VINICIUS MATHIAS PEREIRA Carlos Alberto Saraiva Marcus Vinicius Mathias Pereira Director Director Date: May 5, 2016 Date: May 5, 2016 BNY MELLON INVESTMENT MANAGEMENT By: BNY MELLON INVESTMENT MANAGEMENT HOLDINGS, LLC, GENERAL PARTNER By: /S/ PAUL A. GRIFFITHS Paul A. Griffiths President Date: April 29, 2016

Fund Administrators

BNY MELLON SERVICE KAPITALANLAGE-GESELLSCHAFT mbH

By: /S/ KATARINA MELVAN \_\_\_\_\_\_

> Katarina Melvan Managing Director(Chairman)

Date: August 19, 2016

BNY MELLON SERVICE KAPITALANLAGE-GESELLSCHAFT mbH

By: /S/ CAROLINE SPECHT

\_\_\_\_\_

Caroline Specht Managing Director Date: August 19, 2016

#### JOINT FILING AGREEMENT

In accordance with Rule 13d-1(k)(1) under the Securities Exchange Act of 1934, as amended (the "Exchange Act"), the undersigned hereby agree to any and all joint filings required to be made on their behalf on Schedule 13G (including amendments thereto) under the Exchange Act, with respect to securities which may be deemed to be beneficially owned by them under the Exchange Act, and that this Agreement be included as an Exhibit to any such joint filing. This Agreement may be executed in any number of counterparts all of which taken together shall constitute one and the same instrument.

IN WITNESS WHEREOF, the undersigned hereby execute this Agreement effective as of the date set forth below.

Banks/Bank Holding Companies

THE BANK OF NEW YORK MELLON CORPORATION

By: /S/ MITCHELL E.HARRIS \_\_\_\_\_\_

> Mitchell E. Harris Chief Executive Officer, Investment Management

Date: March 17, 2017

BNY MELLON, NATIONAL ASSOCIATION

By: /S/ THOMAS J. DICKER \_\_\_\_\_

Thomas J. Dicker Chief Operating Officer Date: October 9, 2015

THE BANK OF NEW YORK MELLON

By: /S/ MITCHELL E. HARRIS \_\_\_\_\_ Mitchell E. Harris Mitchell E. Mallis
Senior Executive Vice President

Date: August 27, 2015

BNY MELLON, NATIONAL ASSOCIATION

By: /S/ DONALD HEBERLE

\_\_\_\_\_

Chief Executive Officer

Date: September 16, 2015

Donald Heberle

THE BANK OF NEW YORK MELLON SA/NV

By: /S/ LAURA AHTO

\_\_\_\_\_

Laura Ahto Chief Executive Officer

Date: May 17, 2016

THE BANK OF NEW YORK MELLON

By: /S/ CURTIS ARLEDGE

\_\_\_\_\_

Curtis Arledge Vice Chairman Date: August 26, 2015

THE BANK OF NEW YORK MELLON TRUST COMPANY, NATIONAL ASSOCIATION

By: /S/ ANTONIO PORTUONDO \_\_\_\_\_

Antonio Portuondo

President

Date: October 20, 2015

BNY MELLON TRUST OF DELAWARE

By: /S/ JAMES P. AMBAGIS -----

> James P. Ambagis President

Date: October 21, 2015

THE BANK OF NEW YORK MELLON TRUST COMPANY, NATIONAL ASSOCIATION

By: /S/ KURTIS R. KURIMSKY

\_\_\_\_\_

Kurtis R. Kurimsky Executive Vice President

Date: March 8, 2016

BNY MELLON TRUST OF DELAWARE

By: /S/ LEE JAMES WOOLLEY \_\_\_\_\_

Lee James Woolley

Chairman and

Chief Executive Officer

Date: October 19, 2015

Investment Advisers and/or Broker-Dealers 

PERSHING LLC

By: /S/ CLAIRE SANTANIELLO \_\_\_\_\_

Claire Santaniello

Chief Administrative Officer

and Chief Risk Officer

Date: May 24, 2016

ARX INVESTIMENTOS LTDA

By: /S/ CAMILA SOUZA

\_\_\_\_\_

Camila Souza Director

Date: January 4, 2016

BNY MELLON SERVICOS FINANCEIROS DISTRIBUIDORA DE TITULOS E VALORES

By: /S/ CARLOS ALBERTO SARAIVA

\_\_\_\_\_ Carlos Alberto Saraiva

Director

MOBILIARIOS S.A.

Date: May 5, 2016

BNY MELLON ADMINISTRACAO DE ATIVOS T.TDA

\_\_\_\_\_

Carlos Alberto Saraiva Director

BNY MELLON CAPITAL MARKETS, LLC

By: /S/ JEFF GEARHART

\_\_\_\_\_ Jeff Gearhart

Chief Operating Officer

Date: October 19, 2016

ARX INVESTIMENTOS LTDA

By: /S/ GUILHERME ABRY

\_\_\_\_\_

Guilherme Abry

Director Date: January 4, 2016

BNY MELLON SERVICOS FINANCEIROS DISTRIBUIDORA DE TITULOS E VALORES

MOBILIARIOS S.A.

By: /S/ MARCUS VINICIUS MATHIAS PEREIRA

\_\_\_\_\_ Marcus Vinicius Mathias Pereira

Director

Date: May 5, 2016

BNY MELLON ADMINISTRACAO DE ATIVOS T.TDA

By: /S/ CARLOS ALBERTO SARAIVA By: /S/ MARCUS VINICIUS MATHIAS PEREIRA

\_\_\_\_\_\_

Marcus Vinicius Mathias Pereira

Director

Date: May 5, 2016 Date: May 5, 2016

BNY MELLON ALOCACAO DE PATRIMONIO

By: /S/ GUSTAVO CASTELLO BRANCO By: /S/ CAMILA SOUZA

\_\_\_\_\_

Gustavo Castello Branco

Director

Date: January 4, 2016

THE BOSTON COMPANY ASSET MANAGEMENT

By: /S/ BART GRENIER

\_\_\_\_\_\_

Bart Grenier

Chairman and

Chief Executive Officer

Date: July 16, 2015

THE DREYFUS CORPORATION

By: /S/ JAMES BITETTO

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James Bitetto Secretary

Date: July 30, 2015

LOCKWOOD ADVISORS, INC.

By: /S/ JOHN J. BRETT

John J. Brett

Chairman

Date: July 30, 2015

MELLON CAPITAL MANAGEMENT

CORPORATION

By: /S/ W. CHRISTOPHER APPLER By: /S/ KENNETH J. BRADLE

\_\_\_\_\_

W. Christopher Appler Managing Director and Chief Compliance Officer

Date: August 4, 2015

NEWTON INVESTMENT MANAGEMENT LIMITED

By: /S/ JAMES HELBY

\_\_\_\_\_\_

James Helby Director

BNY MELLON ALOCACAO DE PATRIMONIO

\_\_\_\_\_

Camila Souza Director

Date: January 4, 2016

BNY MELLON ASSET MANAGEMENT JAPAN

LIMITED

By: /S/ SHIZU KISHIMOTO \_\_\_\_\_

Shizu Kishimoto

Representative Director

and President

Date: August 5, 2015

INSIGHT INVESTMENT MANAGEMENT

(GLOBAL) LIMITED

By: /s/ CHARLES FARQUHARSON

\_\_\_\_\_

Charles Farguharson Chief Risk Officer

Date: February 16, 2016

STANDISH MELLON ASSET MANAGEMENT

COMPANY LLC

By: /S/ DAVID LEDUC

\_\_\_\_\_

David Leduc

Chief Executive Officer

and Chief Investment Officer

Date: October 23, 2015

MBSC SECURITIES CORPORATION

\_\_\_\_\_

Kenneth J. Bradle

President

Date: April 29, 2016

NEWTON INVESTMENT MANAGEMENT

(NORTH AMERICA) LIMITED

By: /S/ JAMES HELBY

\_\_\_\_\_

James Helby

Chief Risk Officer

Date: July 17, 2015 Date: June 30, 2016 CENTERSQUARE INVESTMENT MANAGEMENT CENTERSQUARE INVESTMENT MANAGEMENT, HOLDINGS, INC. By: /S/ R. JOSEPH LAW By: /S/ R. JOSEPH LAW \_\_\_\_\_ \_\_\_\_\_ R. Joseph Law
Chief Financial Officer and
Chief Compliance Officer R. Joseph Law R. Joseph Law Chief Financial Officer and Chief Compliance Officer Date: July 15, 2015 Date: July 15, 2015 WALTER SCOTT & PARTNERS LIMITED PARETO INVESTMENT MANAGEMENT LIMITED By: /S/ CHARLES FARQUHARSON By: /S/ RODGER NISBET -----Rodger Nisbet Charles Farquharson Executive Chairman Chief Risk Officer Date: July 15, 2015 Date: February 16, 2016 BNY MELLON WEALTH MANAGEMENT, BNY MELLON INVESTMENT MANAGEMENT CAYMAN LTD ADVISORY SERVICES, INC. By: /S/ MARIE-CLAUDE LEPAGE By: /S/ BRENDON J. DONNELLAN \_\_\_\_\_ \_\_\_\_\_ Marie-Claude Lepage Brendon J.Donnellan Chief Compliance Officer Director Date: May 9, 2016 Date: August 22, 2016 BNY MELLON TRUST COMPANY BNY MELLON TRUST COMPANY (CAYMAN) LIMITED (CAYMAN) LIMITED By: CANELLA SECRETARIES By: CANELLA SECRETARIES (CAYMAN) LTD, SECRETARY (CAYMAN) LTD, SECRETARY By: /S/GILLIAN NELSON By: /S/ PATRICIA BRUZIO Gillian Nelson Patricia Bruzio Authorized Person Authorized Person Date: May 17, 2016 Date: May 17, 2016 CUTWATER INVESTOR SERVICES CUTWATER ASSET MANAGEMENT CORPORATION CORPORATION By: /S/ CLIFFORD CORSO By: /S/ CLIFFORD CORSO \_\_\_\_\_ Clifford Corso Clifford Corso Chief Executive Officer Chief Executive Officer Chief Executive Officer Date: March 16, 2015 Date: March 16, 2015 Parent Holding Companies/Control Persons

B.N.Y. HOLDINGS (DELAWARE) CORPORATION PERSHING GROUP LLC

\_\_\_\_\_\_

By: /S/ JAMES P. AMBAGIS \_\_\_\_\_

James P. Ambagis

President

Date: October 21, 2015

BNY MELLON INVESTMENT MANAGEMENT (APAC) HOLDINGS LIMITED

By: /S/ EMILY CHAN \_\_\_\_\_

Emily Chan Director

Date: April 19, 2016

BNY MELLON INTERNATIONAL ASSET MANAGEMENT GROUP LIMITED

By: /S/ GREG BRISK

Greg Brisk Director

Date: October 21, 2015

BNY MELLON IHC, LLC

By: /S/ KURTIS R. KURIMSKY

Kurtis R. Kurimsky Vice President and

Controller

Date: March 29, 2017

MELLON OVERSEAS INVESTMENT CORPORATION

By: /S/ KURTIS R. KURIMSKY

Kurtis R. Kurimsky

Vice President and Controller

Date: October 7, 2015

BNY INTERNATIONAL FINANCING

CORPORATION

By: /S/ KURTIS R. KURIMSKY

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Kurtis R. Kurimsky President and Comptroller

Date: May 12, 2016

BNY MELLON INVESTMENT MANAGEMENT BNY MELLON INVESTMENT MANAGEMENT

EUROPE HOLDINGS LIMITED

By: /S/ GREG BRISK

By: /S/ CLAIRE SANTANIELLO

\_\_\_\_\_

Claire Santaniello

Chief Administrative Officer

and Chief Risk Officer

Date: May 11, 2016

BNY MELLON INVESTMENT MANAGEMENT

(APAC) HOLDINGS LIMITED

By: /S/ DONI SHAMSUDDIN

\_\_\_\_\_ Doni Shamsuddin

Director

Date: April 19, 2016

NEWTON MANAGEMENT LIMITED

By: /S/ HELENA MORRISSEY

\_\_\_\_\_

Helena Morrissey

Director

Date: July 17, 2015

MBC INVESTMENTS CORPORATION

By: /S/ PAUL A. GRIFFITHS

Paul A. Griffiths

Chairman, President and Chief Executive Officer

Date: April 29, 2016

INSIGHT INVESTMENT MANAGEMENT

LIMITED

By: /S/ CHARLES FARQUHARSON

Charles Farquharson Chief Risk Officer

Date: February 16, 2016

BNY INTERNATIONAL FINANCING

CORPORATION

By: /S/ JOHN M. ROY

\_\_\_\_\_

John M. Roy Vice President

Date: August 15, 2016

(EUROPE) LIMITED

By: /S/ GREG BRISK

Greg Brisk Greg Brisk Director Director Date: October 21, 2015 Date: October 21, 2015 BNY MELLON INVESTMENT MANAGEMENT BNY CAPITAL MARKETS HOLDINGS, INC. (JERSEY) LIMITED By: /S/ GREG BRISK By: /S/ THOMAS P. GIBBONS -----\_\_\_\_\_ Greg Brisk Thomas P. Gibbons Director Vice Chairman and Chief Financial Officer Date: October 21, 2015 Date: October 24, 2015 BNY MELLON INTERNATIONAL ASSET BNY MELLON INTERNATIONAL ASSET MANAGEMENT (HOLDINGS) LIMITED MANAGEMENT (HOLDINGS) No. 1 LIMITED By: /S/ GREG BRISK By: /S/ GREG BRISK \_\_\_\_\_ \_\_\_\_\_ Greg Brisk Greg Brisk Director Director Date: October 21, 2015 Date: October 21, 2015 MELLON CANADA HOLDING COMPANY CUTWATER HOLDINGS, LLC By: /S/ KELLY SCHWARTZ By: /S/ CLIFFORD CORSO Kelly Schwartz Clifford Corso President and Director Chief Executive Officer Date: May 3, 2016 Date: March 16, 2015 BNY MELLON PARTICIPACOES LTDA BNY MELLON PARTICIPACOES LTDA By: /S/ CARLOS ALBERTO SARAIVA By: /S/ MARCUS VINICIUS MATHIAS PEREIRA Carlos Alberto Saraiva Marcus Vinicius Mathias Pereira Director Director Date: May 5, 2016 Date: May 5, 2016 BNY MELLON INVESTMENT MANAGEMENT APAC LP By: BNY MELLON INVESTMENT MANAGEMENT HOLDINGS, LLC, GENERAL PARTNER By: /S/ PAUL A. GRIFFITHS \_\_\_\_\_ Paul A. Griffiths President Date: April 29, 2016 Fund Administrators

BNY MELLON SERVICE KAPITALANLAGE- BNY MELLON SERVICE KAPITALANLAGE-

GESELLSCHAFT mbH

GESELLSCHAFT mbH

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By: /S/ KATARINA MELVAN

\_\_\_\_\_ABLIVAN

Katarina Melvan

Date: August 19, 2016

By: /S/ CAROLINE SPECHT

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Caroline Specht Managing Director(Chairman) Managing Director
e: August 19, 2016 Date: August 19, 2016 Managing Director