

Form 603Corporations Act 2001
Section 671B**Notice of initial substantial holder**

To Company Name/Scheme SPEEDCAST INTERNATIONAL LIMITED
Unit 4F, Level 1
Lakes Business Park
12 Lord Street
BOTANY NSW 2019

ACN/ARSN 600 699 241

1. Details of substantial holder (1)

Name THE NORTHERN TRUST COMPANY
ACN/ARSN (if applicable) Not Applicable

The holder became a substantial holder on 12 NOVEMBER 2019

2. Details of voting power

The total number of votes attached to all the voting shares in the company or voting interests in the scheme that the substantial holder or an associate (2) had a relevant interest (3) in on the date the substantial holder became a substantial holder are as follows:

Class of securities (4)	Number of securities	Person's votes (5)	Voting power (6)
Fully paid ordinary shares	12,614,474	12,614,474	5.26%

3. Details of relevant interests

The nature of the relevant interest the substantial holder or an associate had in the following voting securities on the date the substantial holder became a substantial holder are as follows:

Holder of relevant interest	Nature of relevant interest (7)	Class and number of securities
The Northern Trust Company	Power to control the disposal of securities pursuant to securities lending agreements	Fully paid ordinary shares : 12,173,219
Northern Trust Global Services SE	Power to control the disposal of securities pursuant to securities lending agreements	Fully paid ordinary shares : 47,026
Northern Trust Investments, Inc.	Power to control the voting and/or disposal of securities pursuant to its position as an investment manager in accordance with investment mandates	Fully paid ordinary shares : 388,000
Northern Trust Global Investments Limited	Power to control the voting and/or disposal of securities pursuant to its position as an investment manager in accordance with investment mandates	Fully paid ordinary shares : 6,227

4. Details of present registered holders

The persons registered as holders of the securities referred to in paragraph 3 above are as follows:

Holder of relevant interest	Registered holder of securities	Person entitled to be registered as holder (8)	Class and number of securities
The Northern Trust Company	Unknown – lent securities / collateral securities	Unknown lent securities / collateral	Fully paid ordinary shares : 12,173,219
Northern Trust Global Services SE	Unknown – lent securities / collateral securities	Unknown lent securities / collateral	Fully paid ordinary shares : 47,028
Northern Trust Investments, Inc.	The Northern Trust Company; JP Morgan; Bank of New York	Investment management client(s)	Fully paid ordinary shares : 388,000
Northern Trust Global Investments Limited	The Northern Trust Company	Investment management client(s)	Fully paid ordinary shares : 6,227

5. Consideration

The consideration paid for each relevant interest referred to in paragraph 3 above, and acquired in the four months prior to the day that the substantial holder became a substantial holder is as follows:

Holder of relevant interest	Date of acquisition	Consideration (9)		Class and number of securities
		Cash	Non-cash	
The Northern Trust Company	13/07/2019 to 12/11/2019 – Securities Lending	No consideration directly referable to the securities for which The Northern Trust Company acts as Securities Lending agent.		Refer to Appendices 1 and 2
Northern Trust Global Services SE	13/07/2019 to 12/11/2019 – Securities Lending	No consideration directly referable to the securities for which Northern Trust Global Services SE acts as Securities Lending agent.		Refer to Appendices 1 and 2
Northern Trust Investments, Inc.	13/07/2019 to 12/11/2019	Refer to Appendix 2		Refer to Appendix 2
Northern Trust Global Investments Limited	13/07/2019 to 12/11/2019	Refer to Appendix 2		Refer to Appendix 2

6. Associates

The reasons the persons named in paragraph 3 above are associates of the substantial holder are as follows:

Name and ACN/ARSN (if applicable)	Nature of association
The Northern Trust Company	Subsidiary of Northern Trust Corporation
Northern Trust Global Services SE	Subsidiary of Northern Trust Corporation
Northern Trust Investments, Inc.	Subsidiary of Northern Trust Corporation
Northern Trust Global Investments Limited	Subsidiary of Northern Trust Corporation

7. Addresses

The addresses of persons named in this form are as follows:

Name	Address
The Northern Trust Company	50 LaSalle Street, Chicago, IL 60603
Northern Trust Global Services SE	6 rue Lou Hemmer Senningerberg, 1748 Grand-Duché de Luxembourg, Luxembourg
Northern Trust Investments, Inc.	50 S LaSalle St, Chicago, IL 60603
Northern Trust Global Investments Limited	50 Bank Street, Canary Wharf, London E14 5NT

Signatureprint name Angelo Calvitto capacity Senior Vice Presidentsign here  date 15 November 2019

DIRECTIONS

- (1) If there are a number of substantial holders with similar or related relevant interests (e.g. a corporation and its related corporations, or the manager and trustee of an equity trust), the names could be included in an annexure to the form. If the relevant interests of a group of persons are essentially similar, they may be referred to throughout the form as a specifically named group if the membership of each group, with the names and addresses of members is clearly set out in paragraph 7 of the form.
 - (2) See the definition of "associate" in section 9 of the Corporations Act 2001.
 - (3) See the definition of "relevant interest" in sections 606 and 671B(7) of the Corporations Act 2001.
 - (4) The voting shares of a company constitute one class unless divided into separate classes.
 - (5) The total number of votes attached to all the voting shares in the company or voting interests in the scheme (if any) that the person or an associate has a relevant interest in.
 - (6) The person's votes divided by the total votes in the body corporate or scheme multiplied by 100.
 - (7) Include details of:
 - (a) any relevant agreement or other circumstances by which the relevant interest was acquired. If subsection 671B(4) applies, a copy of any document setting out the terms of any relevant agreement, and a statement by the person giving full and accurate details of any contract, scheme or arrangement, must accompany this form, together with a written statement certifying this contract, scheme or arrangement; and
 - (b) any qualification of the power of a person to exercise, control the exercise of, or influence the exercise of, the voting powers or disposal of the securities to which the relevant interest relates (indicating clearly the particular securities to which the qualification applies).See the definition of "relevant agreement" in section 9 of the Corporations Act 2001.
 - (8) If the substantial holder is unable to determine the identity of the person (e.g. if the relevant interest arises because of an option) write "unknown".
 - (9) Details of the consideration must include any and all benefits, money and other, that any person from whom a relevant interest was acquired has, or may, become entitled to receive in relation to that acquisition. Details must be included even if the benefit is conditional on the happening or not of a contingency. Details must be included of any benefit paid on behalf of the substantial holder or its associate in relation to the acquisitions, even if they are not paid directly to the person from whom the relevant interest was acquired.
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Name The Northern Trust Company

ACN/ARSN (if applicable) Not applicable

This is Appendix 1 of 5 pages referred to in Form 603 Notice of initial substantial holder

Page 1 of 5

Type of Agreement	Master Securities Borrower Agreement
Parties to Agreement	The Northern Trust Company (Lender) & Goldman, Sachs & CO. LLC (Borrower)
Transfer Date	Refer to Appendix 2
Holder of Voting Rights	Borrower
Are there any restrictions on voting rights? (yes/no, if yes detail)	No
Schedule return date (if any)	NA
Does the borrower have the right to return early? (yes/no, if yes detail)	Yes, the borrower may return borrowed securities upon giving notice
Does the lender have the right to recall? (yes/no, if yes detail)	Yes, the lender may recall lent securities upon giving notice
Will the securities be returned on settlement? (yes/no, if yes detail any exceptions)	On recall of the securities loan by the securities lender

Type of Agreement	Global Master Securities Lending Agreement 2010
Parties to Agreement	The Northern Trust Company (Lender) & CREDIT SUISSE SECURITIES (EUROPE) LIMITED (Borrower)
Transfer Date	Refer to Appendix 2
Holder of Voting Rights	Borrower
Are there any restrictions on voting rights? (yes/no, if yes detail)	No
Schedule return date (if any)	NA
Does the borrower have the right to return early? (yes/no, if yes detail)	Yes, the borrower may return borrowed securities upon giving notice
Does the lender have the right to recall? (yes/no, if yes detail)	Yes, the lender may recall lent securities upon giving notice
Will the securities be returned on settlement? (yes/no, if yes detail any exceptions)	On recall of the securities loan by the securities lender

Name The Northern Trust Company

ACN/ARSN (if applicable) Not applicable

This is Appendix 1 of 5 pages referred to in Form 603 Notice of initial substantial holder

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Type of Agreement	Global Master Securities Lending Agreement 2010
Parties to Agreement	The Northern Trust Company (Lender) & BARCLAYS CAPITAL SECURITIES LTD (Borrower)
Transfer Date	Refer to Appendix 2
Holder of Voting Rights	Borrower
Are there any restrictions on voting rights? (yes/no, if yes detail)	No
Schedule return date (if any)	NA
Does the borrower have the right to return early? (yes/no, if yes detail)	Yes, the borrower may return borrowed securities upon giving notice
Does the lender have the right to recall? (yes/no, if yes detail)	Yes, the lender may recall lent securities upon giving notice
Will the securities be returned on settlement? (yes/no, if yes detail any exceptions)	On recall of the securities loan by the securities lender

Type of Agreement	Global Master Securities Lending Agreement 2010
Parties to Agreement	The Northern Trust Company (Lender) & J.P. MORGAN SECURITIES PLC (Borrower)
Transfer Date	Refer to Appendix 2
Holder of Voting Rights	Borrower
Are there any restrictions on voting rights? (yes/no, if yes detail)	No
Schedule return date (if any)	NA
Does the borrower have the right to return early? (yes/no, if yes detail)	Yes, the borrower may return borrowed securities upon giving notice
Does the lender have the right to recall? (yes/no, if yes detail)	Yes, the lender may recall lent securities upon giving notice
Will the securities be returned on settlement? (yes/no, if yes detail any exceptions)	On recall of the securities loan by the securities lender

Name The Northern Trust Company

ACN/ARSN (if applicable) Not applicable

This is Appendix 1 of 5 pages referred to in Form 603 Notice of initial substantial holder

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Type of Agreement	Global Master Securities Lending Agreement 2010
Parties to Agreement	The Northern Trust Company (Lender) & MORGAN STANLEY & CO INTERNATIONAL PLC (Borrower)
Transfer Date	Refer to Appendix 2
Holder of Voting Rights	Borrower
Are there any restrictions on voting rights? (yes/no, if yes detail)	No
Schedule return date (if any)	NA
Does the borrower have the right to return early? (yes/no, if yes detail)	Yes, the borrower may return borrowed securities upon giving notice
Does the lender have the right to recall? (yes/no, if yes detail)	Yes, the lender may recall lent securities upon giving notice
Will the securities be returned on settlement? (yes/no, if yes detail any exceptions)	On recall of the securities loan by the securities lender

Type of Agreement	Global Master Securities Lending Agreement 2010
Parties to Agreement	The Northern Trust Company (Lender) & CITIGROUP GLOBAL MARKETS LIMITED (Borrower)
Transfer Date	Refer to Appendix 2
Holder of Voting Rights	Borrower
Are there any restrictions on voting rights? (yes/no, if yes detail)	No
Schedule return date (if any)	NA
Does the borrower have the right to return early? (yes/no, if yes detail)	Yes, the borrower may return borrowed securities upon giving notice
Does the lender have the right to recall? (yes/no, if yes detail)	Yes, the lender may recall lent securities upon giving notice
Will the securities be returned on settlement? (yes/no, if yes detail any exceptions)	On recall of the securities loan by the securities lender

Name The Northern Trust Company

ACN/ARSN (if applicable) Not applicable

This is Appendix 1 of 5 pages referred to in Form 603 Notice of initial substantial holder

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Type of Agreement	GLOBAL Master Securities Lending Agreement 2010
Parties to Agreement	The Northern Trust Company (Lender) & UBS AG, LONDON BRANCH (Borrower)
Transfer Date	Refer to Appendix 2
Holder of Voting Rights	Borrower
Are there any restrictions on voting rights? (yes/no, if yes detail)	No
Schedule return date (if any)	NA
Does the borrower have the right to return early? (yes/no, if yes detail)	Yes, the borrower may return borrowed securities upon giving notice
Does the lender have the right to recall? (yes/no, if yes detail)	Yes, the lender may recall lent securities upon giving notice
Will the securities be returned on settlement? (yes/no, if yes detail any exceptions)	On recall of the securities loan by the securities lender

Type of Agreement	GLOBAL Master Securities Lending Agreement 2010
Parties to Agreement	The Northern Trust Company (Lender) & BNP PARIBAS ARBITRAGE (Borrower)
Transfer Date	Refer to Appendix 2
Holder of Voting Rights	Borrower
Are there any restrictions on voting rights? (yes/no, if yes detail)	No
Schedule return date (if any)	NA
Does the borrower have the right to return early? (yes/no, if yes detail)	Yes, the borrower may return borrowed securities upon giving notice
Does the lender have the right to recall? (yes/no, if yes detail)	Yes, the lender may recall lent securities upon giving notice
Will the securities be returned on settlement? (yes/no, if yes detail any exceptions)	On recall of the securities loan by the securities lender

Name The Northern Trust Company

ACN/ARSN (if applicable) Not applicable

This is Appendix 1 of 5 pages referred to in Form 603 Notice of initial substantial holder

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Type of Agreement	Global Master Securities Lending Agreement 2010
Parties to Agreement	Northern Trust Global Services SE (Lender) & CREDIT SUISSE SECURITIES (EUROPE) LIMITED (Borrower)
Transfer Date	Refer to Appendix 2
Holder of Voting Rights	Borrower
Are there any restrictions on voting rights? (yes/no, if yes detail)	No
Schedule return date (if any)	NA
Does the borrower have the right to return early? (yes/no, if yes detail)	Yes, the borrower may return borrowed securities upon giving notice
Does the lender have the right to recall? (yes/no, if yes detail)	Yes, the lender may recall lent securities upon giving notice
Will the securities be returned on settlement? (yes/no, if yes detail any exceptions)	On recall of the securities loan by the securities lender

Signature

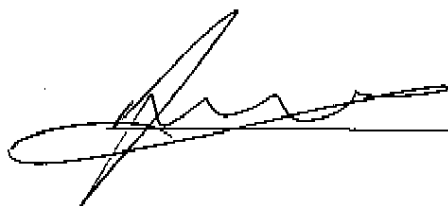
print name

Angelo Calvito

capacity

Senior Vice President

sign here



date

15 November 2019

Date	Legal Entity	Borrower	Transaction	Nominal
Monday, July 29, 2019	The Northern Trust Company	GOLDMAN SACHS & CO. LLC	Loan	300,000
Tuesday, July 30, 2019	The Northern Trust Company	GOLDMAN SACHS & CO. LLC	Loan	500,000
Tuesday, July 30, 2019	The Northern Trust Company	GOLDMAN SACHS & CO. LLC	Return	300,000
Thursday, August 01, 2019	The Northern Trust Company	MORGAN STANLEY & CO. INTERNATIONAL PLC	Collateral in	72
Thursday, August 01, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Collateral in	9,343
Tuesday, August 06, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Collateral in	353,484
Wednesday, August 07, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Collateral in	27
Thursday, August 08, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Collateral in	7
Friday, August 09, 2019	The Northern Trust Company	MORGAN STANLEY & CO. INTERNATIONAL PLC	Collateral in	1
Monday, August 12, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Collateral in	11
Tuesday, August 13, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Collateral in	15
Monday, August 19, 2019	The Northern Trust Company	UBS AG, LONDON BRANCH	Collateral in	290,324
Monday, August 19, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Collateral in	1
Tuesday, August 20, 2019	The Northern Trust Company	UBS AG, LONDON BRANCH	Collateral out	(1)
Friday, August 23, 2019	The Northern Trust Company	UBS AG, LONDON BRANCH	Collateral out	(8,942)
Monday, August 26, 2019	The Northern Trust Company	UBS AG, LONDON BRANCH	Collateral out	(2,900)
Tuesday, August 27, 2019	The Northern Trust Company	UBS AG, LONDON BRANCH	Collateral out	(2)
Tuesday, August 27, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Collateral out	(1)
Wednesday, August 28, 2019	The Northern Trust Company	UBS AG, LONDON BRANCH	Collateral out	(5)
Wednesday, August 28, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Collateral out	(1)
Thursday, August 29, 2019	The Northern Trust Company	UBS AG, LONDON BRANCH	Collateral out	(6)
Thursday, August 29, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Collateral out	(5)
Saturday, August 31, 2019	The Northern Trust Company	UBS AG, LONDON BRANCH	Collateral in	8
Tuesday, September 03, 2019	The Northern Trust Company	BARCLAYS CAPITAL SECURITIES LTD.	Loan	192,308
Tuesday, September 03, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Collateral in	223,455
Wednesday, September 04, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Loan	650,022
Wednesday, September 04, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Loan	638,000
Wednesday, September 04, 2019	The Northern Trust Company	GOLDMAN SACHS & CO. LLC	Loan	220,000
Wednesday, September 04, 2019	The Northern Trust Company	BARCLAYS CAPITAL SECURITIES LTD.	Loan	167,500
Wednesday, September 04, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Collateral in	782,455
Thursday, September 05, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Loan	618,822
Thursday, September 05, 2019	The Northern Trust Company	BARCLAYS CAPITAL SECURITIES LTD.	Loan	316,533
Thursday, September 05, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Loan	629,000
Thursday, September 05, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Collateral out	(261,000)
Friday, September 06, 2019	The Northern Trust Company	BARCLAYS CAPITAL SECURITIES LTD.	Loan	207,630

Date	Legal Entity	Borrower	Transaction	Nominal
Friday, September 06, 2019	The Northern Trust Company	GOLDMAN SACHS & CO. LLC	Loan	500,000
Monday, September 09, 2019	The Northern Trust Company	J.P. MORGAN SECURITIES PLC	Loan	726,718
Tuesday, September 10, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Loan	187,000
Wednesday, September 18, 2019	The Northern Trust Company	MORGAN STANLEY & CO. INTERNATIONAL PLC	Loan	1,234,361
Friday, September 20, 2019	The Northern Trust Company	GOLDMAN SACHS & CO. LLC	Loan	250,000
Friday, September 20, 2019	The Northern Trust Company	BARCLAYS CAPITAL SECURITIES LTD.	Return	379,808
Monday, September 23, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Return	187,000
Monday, September 23, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Collateral out	(114,829)
Tuesday, September 24, 2019	The Northern Trust Company	MORGAN STANLEY & CO. INTERNATIONAL PLC	Return	86,850
Wednesday, September 25, 2019	The Northern Trust Company	MORGAN STANLEY & CO. INTERNATIONAL PLC	Return	148,966
Thursday, September 26, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Loan	517,000
Thursday, September 26, 2019	The Northern Trust Company	MORGAN STANLEY & CO. INTERNATIONAL PLC	Return	207,157
Thursday, September 26, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Collateral out	(760,171)
Friday, September 27, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Loan	517,000
Friday, September 27, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Collateral out	(5)
Monday, September 30, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Collateral out	(1)
Tuesday, October 01, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Collateral in	4
Wednesday, October 02, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Return	517,000
Wednesday, October 02, 2019	The Northern Trust Company	J.P. MORGAN SECURITIES PLC	Return	614,445
Wednesday, October 02, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Collateral out	(39,929)
Thursday, October 03, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Collateral in	1
Friday, October 04, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Loan	313,000
Friday, October 04, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Collateral out	(6,000)
Monday, October 07, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Loan	267,000
Monday, October 07, 2019	The Northern Trust Company	BARCLAYS CAPITAL SECURITIES LTD.	Return	192,308
Tuesday, October 08, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Loan	200,000
Tuesday, October 08, 2019	The Northern Trust Company	BARCLAYS CAPITAL SECURITIES LTD.	Return	207,630
Tuesday, October 08, 2019	The Northern Trust Company	BNP PARIBAS ARBITRAGE	Collateral in	3
Tuesday, October 08, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Collateral in	18,262
Wednesday, October 09, 2019	The Northern Trust Company	BARCLAYS CAPITAL SECURITIES LTD.	Loan	205,480
Wednesday, October 09, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Loan	270,000
Wednesday, October 09, 2019	The Northern Trust Company	BNP PARIBAS ARBITRAGE	Collateral out	(3)
Monday, October 14, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Collateral out	(1)
Tuesday, October 15, 2019	The Northern Trust Company	BARCLAYS CAPITAL SECURITIES LTD.	Loan	151,516
Tuesday, October 15, 2019	The Northern Trust Company	BNP PARIBAS ARBITRAGE	Collateral in	23
Tuesday, October 15, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Collateral in	18,241
Wednesday, October 16, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Return	1,366,000

Date	Legal Entity	Borrower	Transaction	Nominal
Wednesday, October 16, 2019	The Northern Trust Company	BNP PARIBAS ARBITRAGE	Collateral out	(23)
Thursday, October 17, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Collateral out	(3)
Friday, October 18, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Collateral out	(5)
Monday, October 21, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Collateral out	(3)
Tuesday, October 22, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Return	313,000
Tuesday, October 22, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Collateral in	12
Thursday, October 24, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Collateral out	(18,265)
Friday, October 25, 2019	The Northern Trust Company	BNP PARIBAS ARBITRAGE	Collateral in	66,008
Monday, October 28, 2019	The Northern Trust Company	BNP PARIBAS ARBITRAGE	Collateral in	2
Tuesday, October 29, 2019	The Northern Trust Company	BNP PARIBAS ARBITRAGE	Collateral in	1
Wednesday, October 30, 2019	Northern Trust Global Services SE	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Return	13,586
Wednesday, October 30, 2019	The Northern Trust Company	CREDIT SUISSE SECURITIES (EUROPE) LIMITED	Return	824,414
Wednesday, October 30, 2019	The Northern Trust Company	GOLDMAN SACHS & CO. LLC	Return	720,000
Wednesday, October 30, 2019	The Northern Trust Company	BNP PARIBAS ARBITRAGE	Collateral out	(1)
Thursday, October 31, 2019	The Northern Trust Company	BARCLAYS CAPITAL SECURITIES LTD.	Loan	251,632
Thursday, October 31, 2019	The Northern Trust Company	BNP PARIBAS ARBITRAGE	Collateral in	1
Friday, November 01, 2019	The Northern Trust Company	BARCLAYS CAPITAL SECURITIES LTD.	Loan	217,392
Monday, November 04, 2019	The Northern Trust Company	BNP PARIBAS ARBITRAGE	Collateral in	1
Tuesday, November 05, 2019	The Northern Trust Company	BARCLAYS CAPITAL SECURITIES LTD.	Loan	223,881
Wednesday, November 06, 2019	The Northern Trust Company	BARCLAYS CAPITAL SECURITIES LTD.	Loan	234,375
Wednesday, November 06, 2019	The Northern Trust Company	BARCLAYS CAPITAL SECURITIES LTD.	Return	246,951
Wednesday, November 06, 2019	The Northern Trust Company	BNP PARIBAS ARBITRAGE	Collateral out	(11)
Thursday, November 07, 2019	The Northern Trust Company	BNP PARIBAS ARBITRAGE	Collateral out	(9)
Friday, November 08, 2019	The Northern Trust Company	BARCLAYS CAPITAL SECURITIES LTD.	Loan	250,000
Friday, November 08, 2019	The Northern Trust Company	MORGAN STANLEY & CO. INTERNATIONAL PLC	Loan	700,000
Friday, November 08, 2019	The Northern Trust Company	BNP PARIBAS ARBITRAGE	Collateral out	(9)
Monday, November 11, 2019	The Northern Trust Company	BARCLAYS CAPITAL SECURITIES LTD.	Loan	296,141
Monday, November 11, 2019	The Northern Trust Company	J.P. MORGAN SECURITIES PLC	Loan	400,000
Monday, November 11, 2019	The Northern Trust Company	BNP PARIBAS ARBITRAGE	Collateral out	(7)
Tuesday, November 12, 2019	The Northern Trust Company	CITIGROUP GLOBAL MARKETS LIMITED	Loan	400,000
Tuesday, November 12, 2019	The Northern Trust Company	BNP PARIBAS ARBITRAGE	Collateral out	(6)

This is Appendix 2 of 4 pages referred to in
Form 603 Notice of initial substantial holder

Name : The Northern Trust Company
ACN/ARSN : Not applicable

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NTAM

TRADE_DATE	Legal Entity	Ccy	Type of Transaction	Quantity	Price	Consideration
Tuesday, August 27, 2019	Northern Trust Investments, Inc.	AUD	SELL		8,750	1.13 9,887.50

Signature

print name

Angelo Calvilto

capacity

Senior Vice President

sign here



date

15 November 2019