

Form 603
Corporations Act 2001
Section 671B

Notice of initial substantial holder

To Company Name/Scheme Rio Tinto Limited
ACN/ARSN 004 458 404

1. Details of substantial holder (1)

Name The Vanguard Group, Inc.
ACN/ARSN (if applicable) N/A
The holder became a substantial holder on 16 June 2017

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)
Ordinary	21,914,711	21,914,711	5.166%

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
Vanguard Investments Australia Ltd.	Beneficial Owner	Ordinary – 11,416,544
The Vanguard Group, Inc.	Beneficial Owner	Ordinary – 10,498,167

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
Vanguard Investments Australia Ltd	JP Morgan Chase Bank, N.A. and various other Custodians	Vanguard Investments Australia Ltd is the manager of various superannuation funds, institutional investor portfolios and unit trusts and in that capacity can exercise the power to vote and/or dispose of the shares	Ordinary – 11,416,544
The Vanguard Group, Inc.	Brown Brothers Harriman	The Vanguard Group, Inc., is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares	Ordinary – 4,185,351
The Vanguard Group, Inc.	Bank of New York Mellon	The Vanguard Group, Inc., is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares	Ordinary – 22,303
The Vanguard Group, Inc.	JP Morgan Chase Bank, N.A.	The Vanguard Group, Inc., is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares	Ordinary – 5,301,210
The Vanguard Group, Inc.	State Street Bank and Trust Company	The Vanguard Group, Inc., is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares	Ordinary – 987,452
The Vanguard Group, Inc.	Citibank	The Vanguard Group, Inc., is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares	Ordinary – 1,851

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
See Annexure A			

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
N/A	N/A

7. Addresses

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

Name	Address
The Vanguard Group, Inc.	P.O. Box 2600, V26 Valley Forge, PA 19482 USA
Vanguard Investments Australia Ltd.	Level 34, 2 Southbank Blvd, Southbank 3006 VIC

print name SHAWN ACKER capacity MANAGER

sign here  date 16 February 2018

GUIDE

This guide does not form part of the prescribed form and is included by ASIC to assist you in completing and lodging form 603.

Signature	This form must be signed by either a director or a secretary of the substantial holder.
Lodging period	Nil
Lodging Fee	Nil
Other forms to be completed	Nil
Additional information	<p>(a) If additional space is required to complete a question, the information may be included on a separate piece of paper annexed to the form.</p> <p>(b) This notice must be given to a listed company, or the responsible entity for a listed managed investment scheme. A copy of this notice must also be given to each relevant securities exchange.</p> <p>(c) The person must give a copy of this notice:</p> <ul style="list-style-type: none">(i) within 2 business days after they become aware of the information; or(ii) by 9:30 am on the next trading day of the relevant securities exchange after they become aware of the information if:<ul style="list-style-type: none">(A) a takeover bid is made for voting shares in the company or voting interests in the scheme; and(B) the person becomes aware of the information during the bid period.
Annexures	<p>To make any annexure conform to the regulations, you must</p> <ol style="list-style-type: none">1 use A4 size paper of white or light pastel colour with a margin of at least 10mm on all sides2 show the corporation name and ACN or ARBN3 number the pages consecutively4 print or type in BLOCK letters in dark blue or black ink so that the document is clearly legible when photocopied5 identify the annexure with a mark such as A, B, C, etc6 endorse the annexure with the words: <i>This is annexure (mark) of (number) pages referred to in form (form number and title)</i>7 sign and date the annexure <p>The annexure must be signed by the same person(s) who signed the form.</p>

Annexure A

To Company Rio Tinto Limited
ACN/ARSN 004 458 404

Substantial Holder Name The Vanguard Group, Inc.
ACN/ARSN N/A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
17-Feb-2017	The Vanguard Group, Inc.	Buy	67.76	Ordinary	1,778	1,778
17-Feb-2017	The Vanguard Group, Inc.	Buy	67.79	Ordinary	79	79
21-Feb-2017	The Vanguard Group, Inc.	Buy	69.42	Ordinary	288	288
22-Feb-2017	The Vanguard Group, Inc.	Buy	69.65	Ordinary	3,259	3,259
22-Feb-2017	The Vanguard Group, Inc.	Buy	69.31	Ordinary	4,980	4,980
22-Feb-2017	The Vanguard Group, Inc.	Buy	69.38	Ordinary	228	228
22-Feb-2017	The Vanguard Group, Inc.	Buy	69.38	Ordinary	3,336	3,336
22-Feb-2017	The Vanguard Group, Inc.	Buy	69.38	Ordinary	315	315
23-Feb-2017	The Vanguard Group, Inc.	Sell	67.07	Ordinary	(154)	(154)
23-Feb-2017	The Vanguard Group, Inc.	Buy	65.60	Ordinary	112	112
23-Feb-2017	The Vanguard Group, Inc.	Buy	65.60	Ordinary	37	37
24-Feb-2017	The Vanguard Group, Inc.	Buy	62.85	Ordinary	2,988	2,988
24-Feb-2017	The Vanguard Group, Inc.	Buy	62.85	Ordinary	2,261	2,261
28-Feb-2017	The Vanguard Group, Inc.	Sell	61.99	Ordinary	(3,540)	(3,540)
28-Feb-2017	The Vanguard Group, Inc.	Sell	61.99	Ordinary	(1,998)	(1,998)
28-Feb-2017	The Vanguard Group, Inc.	Buy	61.99	Ordinary	2,630	2,630
1-Mar-2017	The Vanguard Group, Inc.	Buy	61.60	Ordinary	18,129	18,129
1-Mar-2017	The Vanguard Group, Inc.	Buy	62.14	Ordinary	762	762
1-Mar-2017	The Vanguard Group, Inc.	Buy	62.14	Ordinary	576	576
1-Mar-2017	The Vanguard Group, Inc.	Buy	61.37	Ordinary	220	220
2-Mar-2017	The Vanguard Group, Inc.	Buy	63.21	Ordinary	14,964	14,964
2-Mar-2017	The Vanguard Group, Inc.	Buy	63.21	Ordinary	263	263
3-Mar-2017	The Vanguard Group, Inc.	Buy	61.22	Ordinary	6,972	6,972
6-Mar-2017	The Vanguard Group, Inc.	Sell	62.13	Ordinary	(3,388)	(3,388)
7-Mar-2017	The Vanguard Group, Inc.	Buy	61.38	Ordinary	16,468	16,468
7-Mar-2017	The Vanguard Group, Inc.	Buy	61.61	Ordinary	164	164
7-Mar-2017	The Vanguard Group, Inc.	Buy	61.61	Ordinary	255	255
8-Mar-2017	The Vanguard Group, Inc.	Buy	61.28	Ordinary	2,544	2,544
8-Mar-2017	The Vanguard Group, Inc.	Buy	61.28	Ordinary	2,120	2,120
8-Mar-2017	The Vanguard Group, Inc.	Buy	61.40	Ordinary	14,496	14,496
8-Mar-2017	The Vanguard Group, Inc.	Buy	61.28	Ordinary	1,270	1,270
8-Mar-2017	The Vanguard Group, Inc.	Buy	61.28	Ordinary	2,490	2,490
8-Mar-2017	The Vanguard Group, Inc.	Buy	61.39	Ordinary	397	397
8-Mar-2017	The Vanguard Group, Inc.	Buy	61.39	Ordinary	49	49
9-Mar-2017	The Vanguard Group, Inc.	Buy	60.10	Ordinary	4,980	4,980
9-Mar-2017	The Vanguard Group, Inc.	Buy	60.10	Ordinary	4,845	4,845
9-Mar-2017	The Vanguard Group, Inc.	Buy	60.14	Ordinary	844	844
10-Mar-2017	The Vanguard Group, Inc.	Buy	59.03	Ordinary	1,143	1,143
10-Mar-2017	The Vanguard Group, Inc.	Buy	59.03	Ordinary	4,980	4,980
10-Mar-2017	The Vanguard Group, Inc.	Buy	59.03	Ordinary	1,494	1,494
10-Mar-2017	The Vanguard Group, Inc.	Buy	59.03	Ordinary	5,535	5,535
10-Mar-2017	The Vanguard Group, Inc.	Buy	59.03	Ordinary	288	288
10-Mar-2017	The Vanguard Group, Inc.	Buy	59.90	Ordinary	534	534
10-Mar-2017	The Vanguard Group, Inc.	Buy	59.90	Ordinary	143	143
13-Mar-2017	The Vanguard Group, Inc.	Buy	59.28	Ordinary	4,980	4,980
13-Mar-2017	The Vanguard Group, Inc.	Buy	59.28	Ordinary	5,976	5,976
13-Mar-2017	The Vanguard Group, Inc.	Buy	59.28	Ordinary	969	969
13-Mar-2017	The Vanguard Group, Inc.	Buy	59.28	Ordinary	1,845	1,845
14-Mar-2017	The Vanguard Group, Inc.	Buy	59.34	Ordinary	4,482	4,482
14-Mar-2017	The Vanguard Group, Inc.	Buy	59.34	Ordinary	4,980	4,980
15-Mar-2017	The Vanguard Group, Inc.	Buy	61.79	Ordinary	2,544	2,544
15-Mar-2017	The Vanguard Group, Inc.	Buy	61.79	Ordinary	762	762
15-Mar-2017	The Vanguard Group, Inc.	Buy	61.79	Ordinary	1,938	1,938
15-Mar-2017	The Vanguard Group, Inc.	Buy	61.79	Ordinary	646	646
15-Mar-2017	The Vanguard Group, Inc.	Buy	60.83	Ordinary	844	844
15-Mar-2017	The Vanguard Group, Inc.	Buy	60.83	Ordinary	12,442	12,442
16-Mar-2017	The Vanguard Group, Inc.	Buy	61.91	Ordinary	969	969
16-Mar-2017	The Vanguard Group, Inc.	Buy	61.91	Ordinary	5,535	5,535
16-Mar-2017	The Vanguard Group, Inc.	Buy	62.23	Ordinary	97,523	97,523
17-Mar-2017	The Vanguard Group, Inc.	Sell	62.93	Ordinary	(35,770)	(35,770)

Annexure A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
17-Mar-2017	The Vanguard Group, Inc.	Sell	62.93	Ordinary	(3,057)	(3,057)
17-Mar-2017	The Vanguard Group, Inc.	Buy	62.93	Ordinary	522	522
17-Mar-2017	The Vanguard Group, Inc.	Sell	62.93	Ordinary	(50)	(50)
17-Mar-2017	The Vanguard Group, Inc.	Buy	62.93	Ordinary	1,712	1,712
17-Mar-2017	The Vanguard Group, Inc.	Sell	62.93	Ordinary	(161)	(161)
17-Mar-2017	The Vanguard Group, Inc.	Sell	62.93	Ordinary	(31)	(31)
17-Mar-2017	The Vanguard Group, Inc.	Sell	62.93	Ordinary	(437)	(437)
20-Mar-2017	The Vanguard Group, Inc.	Buy	62.82	Ordinary	2,988	2,988
20-Mar-2017	The Vanguard Group, Inc.	Buy	62.16	Ordinary	2,982	2,982
20-Mar-2017	The Vanguard Group, Inc.	Buy	62.16	Ordinary	1,988	1,988
20-Mar-2017	The Vanguard Group, Inc.	Buy	62.39	Ordinary	2,196	2,196
20-Mar-2017	The Vanguard Group, Inc.	Buy	62.80	Ordinary	1,868	1,868
21-Mar-2017	The Vanguard Group, Inc.	Buy	60.59	Ordinary	4,970	4,970
21-Mar-2017	The Vanguard Group, Inc.	Buy	61.60	Ordinary	787	787
21-Mar-2017	The Vanguard Group, Inc.	Buy	61.60	Ordinary	1,076	1,076
22-Mar-2017	The Vanguard Group, Inc.	Buy	59.98	Ordinary	2,986	2,986
22-Mar-2017	The Vanguard Group, Inc.	Buy	60.00	Ordinary	2,696	2,696
24-Mar-2017	The Vanguard Group, Inc.	Buy	60.11	Ordinary	255	255
27-Mar-2017	The Vanguard Group, Inc.	Buy	59.02	Ordinary	260	260
28-Mar-2017	The Vanguard Group, Inc.	Buy	59.93	Ordinary	5,089	5,089
28-Mar-2017	The Vanguard Group, Inc.	Buy	58.94	Ordinary	104	104
29-Mar-2017	The Vanguard Group, Inc.	Buy	60.60	Ordinary	590	590
29-Mar-2017	The Vanguard Group, Inc.	Buy	60.45	Ordinary	844	844
29-Mar-2017	The Vanguard Group, Inc.	Sell	60.33	Ordinary	(3,016)	(3,016)
30-Mar-2017	The Vanguard Group, Inc.	Buy	60.57	Ordinary	1,540	1,540
30-Mar-2017	The Vanguard Group, Inc.	Sell	60.88	Ordinary	(114)	(114)
30-Mar-2017	The Vanguard Group, Inc.	Buy	60.57	Ordinary	590	590
30-Mar-2017	The Vanguard Group, Inc.	Buy	60.49	Ordinary	194	194
31-Mar-2017	The Vanguard Group, Inc.	Buy	60.46	Ordinary	51,986	51,986
31-Mar-2017	The Vanguard Group, Inc.	Buy	60.44	Ordinary	840	840
31-Mar-2017	The Vanguard Group, Inc.	Buy	60.46	Ordinary	194	194
31-Mar-2017	The Vanguard Group, Inc.	Sell	60.46	Ordinary	(6,251)	(6,251)
31-Mar-2017	The Vanguard Group, Inc.	Buy	60.46	Ordinary	322	322
3-Apr-2017	The Vanguard Group, Inc.	Buy	59.89	Ordinary	424	424
3-Apr-2017	The Vanguard Group, Inc.	Buy	59.89	Ordinary	1,120	1,120
4-Apr-2017	The Vanguard Group, Inc.	Buy	60.12	Ordinary	2,982	2,982
4-Apr-2017	The Vanguard Group, Inc.	Buy	60.12	Ordinary	4,970	4,970
4-Apr-2017	The Vanguard Group, Inc.	Buy	60.12	Ordinary	1,472	1,472
4-Apr-2017	The Vanguard Group, Inc.	Buy	59.70	Ordinary	685	685
5-Apr-2017	The Vanguard Group, Inc.	Buy	60.94	Ordinary	11,507	11,507
5-Apr-2017	The Vanguard Group, Inc.	Buy	61.44	Ordinary	6,958	6,958
5-Apr-2017	The Vanguard Group, Inc.	Buy	61.44	Ordinary	1,855	1,855
5-Apr-2017	The Vanguard Group, Inc.	Buy	60.94	Ordinary	403	403
6-Apr-2017	The Vanguard Group, Inc.	Buy	60.94	Ordinary	1,272	1,272
6-Apr-2017	The Vanguard Group, Inc.	Buy	60.94	Ordinary	1,540	1,540
6-Apr-2017	The Vanguard Group, Inc.	Buy	61.05	Ordinary	417	417
6-Apr-2017	The Vanguard Group, Inc.	Buy	60.68	Ordinary	17,191	17,191
7-Apr-2017	The Vanguard Group, Inc.	Buy	60.01	Ordinary	194	194
7-Apr-2017	The Vanguard Group, Inc.	Buy	60.01	Ordinary	496	496
7-Apr-2017	The Vanguard Group, Inc.	Buy	60.01	Ordinary	6,188	6,188
10-Apr-2017	The Vanguard Group, Inc.	Buy	60.40	Ordinary	92	92
11-Apr-2017	The Vanguard Group, Inc.	Buy	61.35	Ordinary	2,219	2,219
11-Apr-2017	The Vanguard Group, Inc.	Buy	62.10	Ordinary	1,540	1,540
11-Apr-2017	The Vanguard Group, Inc.	Buy	62.10	Ordinary	795	795
11-Apr-2017	The Vanguard Group, Inc.	Buy	62.03	Ordinary	50	50
11-Apr-2017	The Vanguard Group, Inc.	Buy	62.03	Ordinary	331	331
12-Apr-2017	The Vanguard Group, Inc.	Buy	61.74	Ordinary	1,272	1,272
12-Apr-2017	The Vanguard Group, Inc.	Buy	61.96	Ordinary	19,825	19,825
12-Apr-2017	The Vanguard Group, Inc.	Buy	61.74	Ordinary	1,988	1,988
12-Apr-2017	The Vanguard Group, Inc.	Buy	61.74	Ordinary	2,485	2,485
12-Apr-2017	The Vanguard Group, Inc.	Buy	61.89	Ordinary	51	51
12-Apr-2017	The Vanguard Group, Inc.	Buy	61.89	Ordinary	18,908	18,908
13-Apr-2017	The Vanguard Group, Inc.	Buy	59.15	Ordinary	133	133
13-Apr-2017	The Vanguard Group, Inc.	Buy	59.46	Ordinary	2,400	2,400
19-Apr-2017	The Vanguard Group, Inc.	Buy	57.86	Ordinary	11,361	11,361
19-Apr-2017	The Vanguard Group, Inc.	Buy	57.86	Ordinary	9,856	9,856
19-Apr-2017	The Vanguard Group, Inc.	Buy	58.59	Ordinary	9,940	9,940

Annexure A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
19-Apr-2017	The Vanguard Group, Inc.	Sell	57.66	Ordinary	(128)	(128)
19-Apr-2017	The Vanguard Group, Inc.	Buy	57.86	Ordinary	3,060	3,060
20-Apr-2017	The Vanguard Group, Inc.	Buy	58.67	Ordinary	194	194
21-Apr-2017	The Vanguard Group, Inc.	Buy	60.07	Ordinary	2,982	2,982
21-Apr-2017	The Vanguard Group, Inc.	Sell	60.24	Ordinary	(255)	(255)
24-Apr-2017	The Vanguard Group, Inc.	Buy	59.83	Ordinary	1,120	1,120
24-Apr-2017	The Vanguard Group, Inc.	Buy	59.82	Ordinary	433	433
25-Apr-2017	The Vanguard Group, Inc.	Buy	60.08	Ordinary	1,988	1,988
25-Apr-2017	The Vanguard Group, Inc.	Buy	60.08	Ordinary	4,970	4,970
26-Apr-2017	The Vanguard Group, Inc.	Buy	60.47	Ordinary	5,152	5,152
26-Apr-2017	The Vanguard Group, Inc.	Buy	60.47	Ordinary	295	295
26-Apr-2017	The Vanguard Group, Inc.	Buy	60.50	Ordinary	582	582
26-Apr-2017	The Vanguard Group, Inc.	Buy	61.05	Ordinary	622	622
27-Apr-2017	The Vanguard Group, Inc.	Buy	59.83	Ordinary	5,888	5,888
27-Apr-2017	The Vanguard Group, Inc.	Buy	59.80	Ordinary	2,059	2,059
28-Apr-2017	The Vanguard Group, Inc.	Buy	60.46	Ordinary	1,325	1,325
28-Apr-2017	The Vanguard Group, Inc.	Sell	60.44	Ordinary	(255)	(255)
1-May-2017	The Vanguard Group, Inc.	Buy	59.74	Ordinary	1,325	1,325
1-May-2017	The Vanguard Group, Inc.	Buy	60.44	Ordinary	499	499
2-May-2017	The Vanguard Group, Inc.	Buy	60.17	Ordinary	25,576	25,576
2-May-2017	The Vanguard Group, Inc.	Buy	60.06	Ordinary	9,940	9,940
2-May-2017	The Vanguard Group, Inc.	Buy	60.06	Ordinary	590	590
2-May-2017	The Vanguard Group, Inc.	Buy	60.17	Ordinary	1,683	1,683
3-May-2017	The Vanguard Group, Inc.	Buy	59.24	Ordinary	1,540	1,540
3-May-2017	The Vanguard Group, Inc.	Buy	59.59	Ordinary	5,345	5,345
3-May-2017	The Vanguard Group, Inc.	Buy	59.59	Ordinary	3,579	3,579
3-May-2017	The Vanguard Group, Inc.	Buy	59.59	Ordinary	454	454
4-May-2017	The Vanguard Group, Inc.	Buy	58.35	Ordinary	2,240	2,240
4-May-2017	The Vanguard Group, Inc.	Buy	58.32	Ordinary	255	255
4-May-2017	The Vanguard Group, Inc.	Buy	58.40	Ordinary	4,596	4,596
5-May-2017	The Vanguard Group, Inc.	Buy	58.15	Ordinary	1,400	1,400
5-May-2017	The Vanguard Group, Inc.	Buy	58.15	Ordinary	994	994
5-May-2017	The Vanguard Group, Inc.	Buy	58.15	Ordinary	1,855	1,855
5-May-2017	The Vanguard Group, Inc.	Buy	57.56	Ordinary	3,370	3,370
5-May-2017	The Vanguard Group, Inc.	Buy	57.56	Ordinary	407	407
8-May-2017	The Vanguard Group, Inc.	Buy	58.46	Ordinary	3,816	3,816
8-May-2017	The Vanguard Group, Inc.	Buy	58.46	Ordinary	590	590
8-May-2017	The Vanguard Group, Inc.	Buy	58.48	Ordinary	844	844
8-May-2017	The Vanguard Group, Inc.	Buy	58.48	Ordinary	2,068	2,068
8-May-2017	The Vanguard Group, Inc.	Buy	58.48	Ordinary	332	332
9-May-2017	The Vanguard Group, Inc.	Buy	58.48	Ordinary	181	181
9-May-2017	The Vanguard Group, Inc.	Buy	58.79	Ordinary	60	60
10-May-2017	The Vanguard Group, Inc.	Buy	60.17	Ordinary	2,968	2,968
10-May-2017	The Vanguard Group, Inc.	Buy	60.17	Ordinary	8,946	8,946
11-May-2017	The Vanguard Group, Inc.	Buy	60.01	Ordinary	92	92
11-May-2017	The Vanguard Group, Inc.	Buy	60.01	Ordinary	4,246	4,246
12-May-2017	The Vanguard Group, Inc.	Buy	59.48	Ordinary	7,555	7,555
16-May-2017	The Vanguard Group, Inc.	Buy	60.28	Ordinary	4,970	4,970
16-May-2017	The Vanguard Group, Inc.	Buy	60.28	Ordinary	2,982	2,982
16-May-2017	The Vanguard Group, Inc.	Buy	60.28	Ordinary	994	994
16-May-2017	The Vanguard Group, Inc.	Buy	60.05	Ordinary	792	792
16-May-2017	The Vanguard Group, Inc.	Buy	60.28	Ordinary	2,908	2,908
16-May-2017	The Vanguard Group, Inc.	Buy	60.05	Ordinary	4,266	4,266
16-May-2017	The Vanguard Group, Inc.	Buy	60.28	Ordinary	253	253
17-May-2017	The Vanguard Group, Inc.	Buy	60.91	Ordinary	5,964	5,964
17-May-2017	The Vanguard Group, Inc.	Buy	60.91	Ordinary	1,590	1,590
17-May-2017	The Vanguard Group, Inc.	Buy	61.62	Ordinary	1,812	1,812
18-May-2017	The Vanguard Group, Inc.	Buy	61.32	Ordinary	20,297	20,297
18-May-2017	The Vanguard Group, Inc.	Buy	61.75	Ordinary	2,982	2,982
18-May-2017	The Vanguard Group, Inc.	Buy	61.32	Ordinary	4,007	4,007
18-May-2017	The Vanguard Group, Inc.	Buy	61.75	Ordinary	885	885
19-May-2017	The Vanguard Group, Inc.	Buy	63.67	Ordinary	1,400	1,400
19-May-2017	The Vanguard Group, Inc.	Buy	63.67	Ordinary	795	795
19-May-2017	The Vanguard Group, Inc.	Buy	63.67	Ordinary	1,472	1,472
19-May-2017	The Vanguard Group, Inc.	Sell	62.07	Ordinary	(3,390)	(3,390)
19-May-2017	The Vanguard Group, Inc.	Buy	63.25	Ordinary	114	114
22-May-2017	The Vanguard Group, Inc.	Buy	64.42	Ordinary	2,438	2,438

Annexure A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
23-May-2017	The Vanguard Group, Inc.	Buy	64.81	Ordinary	5,954	5,954
23-May-2017	The Vanguard Group, Inc.	Buy	64.74	Ordinary	3,412	3,412
24-May-2017	The Vanguard Group, Inc.	Buy	64.16	Ordinary	1,696	1,696
24-May-2017	The Vanguard Group, Inc.	Buy	64.16	Ordinary	1,325	1,325
24-May-2017	The Vanguard Group, Inc.	Buy	64.16	Ordinary	1,180	1,180
24-May-2017	The Vanguard Group, Inc.	Buy	64.25	Ordinary	844	844
24-May-2017	The Vanguard Group, Inc.	Buy	63.88	Ordinary	559	559
25-May-2017	The Vanguard Group, Inc.	Buy	64.71	Ordinary	1,400	1,400
25-May-2017	The Vanguard Group, Inc.	Buy	64.71	Ordinary	1,400	1,400
26-May-2017	The Vanguard Group, Inc.	Buy	63.77	Ordinary	4,970	4,970
26-May-2017	The Vanguard Group, Inc.	Buy	63.77	Ordinary	1,325	1,325
26-May-2017	The Vanguard Group, Inc.	Buy	63.64	Ordinary	207	207
26-May-2017	The Vanguard Group, Inc.	Buy	63.64	Ordinary	255	255
26-May-2017	The Vanguard Group, Inc.	Buy	63.64	Ordinary	590	590
30-May-2017	The Vanguard Group, Inc.	Buy	62.66	Ordinary	497	497
31-May-2017	The Vanguard Group, Inc.	Buy	62.66	Ordinary	530	530
31-May-2017	The Vanguard Group, Inc.	Buy	62.66	Ordinary		(3,807)
31-May-2017	The Vanguard Group, Inc.	Sell	62.81	Ordinary	(8,889)	(8,889)
31-May-2017	The Vanguard Group, Inc.	Sell	62.81	Ordinary		6,958
1-Jun-2017	The Vanguard Group, Inc.	Buy	62.13	Ordinary	1,325	1,325
1-Jun-2017	The Vanguard Group, Inc.	Buy	62.13	Ordinary	9,936	9,936
1-Jun-2017	The Vanguard Group, Inc.	Buy	62.13	Ordinary	9,936	9,936
2-Jun-2017	The Vanguard Group, Inc.	Buy	63.04	Ordinary	3,392	3,392
2-Jun-2017	The Vanguard Group, Inc.	Buy	63.04	Ordinary	1,272	1,272
2-Jun-2017	The Vanguard Group, Inc.	Buy	63.04	Ordinary	1,696	1,696
2-Jun-2017	The Vanguard Group, Inc.	Buy	63.04	Ordinary	1,696	1,696
2-Jun-2017	The Vanguard Group, Inc.	Sell	62.74	Ordinary	(14,882)	(14,882)
2-Jun-2017	The Vanguard Group, Inc.	Buy	62.12	Ordinary	1,696	1,696
5-Jun-2017	The Vanguard Group, Inc.	Sell	62.48	Ordinary	(3,497)	(3,497)
5-Jun-2017	The Vanguard Group, Inc.	Buy	62.00	Ordinary	2,634	2,634
5-Jun-2017	The Vanguard Group, Inc.	Buy	62.48	Ordinary	820	820
5-Jun-2017	The Vanguard Group, Inc.	Buy	61.47	Ordinary	131	131
6-Jun-2017	The Vanguard Group, Inc.	Buy	61.65	Ordinary	2,100	2,100
7-Jun-2017	The Vanguard Group, Inc.	Buy	61.65	Ordinary	1,325	1,325
7-Jun-2017	The Vanguard Group, Inc.	Buy	61.97	Ordinary	844	844
7-Jun-2017	The Vanguard Group, Inc.	Buy	61.68	Ordinary	684	684
7-Jun-2017	The Vanguard Group, Inc.	Buy	62.10	Ordinary	(1,321)	(1,321)
8-Jun-2017	The Vanguard Group, Inc.	Sell	62.89	Ordinary	2,120	2,120
9-Jun-2017	The Vanguard Group, Inc.	Buy	62.89	Ordinary	1,400	1,400
9-Jun-2017	The Vanguard Group, Inc.	Buy	62.89	Ordinary	10,934	10,934
9-Jun-2017	The Vanguard Group, Inc.	Sell	62.94	Ordinary	(2,755)	(2,755)
9-Jun-2017	The Vanguard Group, Inc.	Buy	62.86	Ordinary	1,272	1,272
12-Jun-2017	The Vanguard Group, Inc.	Buy	62.86	Ordinary	2,968	2,968
12-Jun-2017	The Vanguard Group, Inc.	Buy	62.86	Ordinary	2,208	2,208
12-Jun-2017	The Vanguard Group, Inc.	Buy	62.86	Ordinary	2,208	2,208
13-Jun-2017	The Vanguard Group, Inc.	Buy	62.79	Ordinary	21,063	21,063
13-Jun-2017	The Vanguard Group, Inc.	Buy	62.76	Ordinary	1,060	1,060
13-Jun-2017	The Vanguard Group, Inc.	Buy	62.76	Ordinary	1,855	1,855
13-Jun-2017	The Vanguard Group, Inc.	Buy	62.79	Ordinary	2,093	2,093
13-Jun-2017	The Vanguard Group, Inc.	Buy	62.79	Ordinary	15,333	15,333
13-Jun-2017	The Vanguard Group, Inc.	Buy	62.79	Ordinary	334	334
13-Jun-2017	The Vanguard Group, Inc.	Buy	62.79	Ordinary	6,624	6,624
14-Jun-2017	The Vanguard Group, Inc.	Buy	62.30	Ordinary	(350)	(350)
14-Jun-2017	The Vanguard Group, Inc.	Sell	62.40	Ordinary	(220)	(220)
14-Jun-2017	The Vanguard Group, Inc.	Sell	62.40	Ordinary	(220)	(220)
15-Jun-2017	The Vanguard Group, Inc.	Buy	60.28	Ordinary	6,459	6,459
16-Jun-2017	The Vanguard Group, Inc.	Buy	60.08	Ordinary	3,707	3,707
16-Jun-2017	The Vanguard Group, Inc.	Buy	60.08	Ordinary	1,260	1,260
16-Jun-2017	The Vanguard Group, Inc.	Buy	60.08	Ordinary	1,988	1,988
16-Jun-2017	The Vanguard Group, Inc.	Buy	60.08	Ordinary	1,988	1,988
16-Jun-2017	The Vanguard Group, Inc.	Sell	60.08	Ordinary	(6,004)	(6,004)
16-Jun-2017	The Vanguard Group, Inc.	Sell	60.08	Ordinary	(530)	(530)
16-Jun-2017	The Vanguard Group, Inc.	Buy	60.08	Ordinary	458	458
16-Jun-2017	The Vanguard Group, Inc.	Buy	60.08	Ordinary	683	683
16-Jun-2017	The Vanguard Group, Inc.	Buy	60.08	Ordinary	(505)	(505)
16-Jun-2017	The Vanguard Group, Inc.	Sell	60.08	Ordinary	(505)	(505)
16-Jun-2017	The Vanguard Group, Inc.	Sell	60.08	Ordinary	(1,375)	(1,375)
16-Jun-2017	The Vanguard Group, Inc.	Sell	60.08	Ordinary	(446)	(446)
16-Jun-2017	The Vanguard Group, Inc.	Sell	60.08	Ordinary	(216)	(216)
20-Feb-2017	Vanguard Investments Australia Ltd.	Sell	67.57	Ordinary	(49,194)	(49,194)
21-Feb-2017	Vanguard Investments Australia Ltd.	Sell	68.67	Ordinary	(49,657)	(49,657)
22-Feb-2017	Vanguard Investments Australia Ltd.	Sell	69.23	Ordinary	(45,840)	(45,840)
23-Feb-2017	Vanguard Investments Australia Ltd.	Buy	65.60	Ordinary	644,699	644,699

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Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
23-Feb-2017	Vanguard Investments Australia Ltd.	Sell	65.60	Ordinary	(644,699)	(644,699)
28-Feb-2017	Vanguard Investments Australia Ltd.	Sell	61.99	Ordinary	(601)	(601)
28-Feb-2017	Vanguard Investments Australia Ltd.	Sell	62.19	Ordinary	(87,620)	(87,620)
28-Feb-2017	Vanguard Investments Australia Ltd.	Buy	61.99	Ordinary	220	220
1-Mar-2017	Vanguard Investments Australia Ltd.	Sell	61.37	Ordinary	(121)	(121)
1-Mar-2017	Vanguard Investments Australia Ltd.	Buy	61.37	Ordinary	987	987
1-Mar-2017	Vanguard Investments Australia Ltd.	Buy	61.37	Ordinary	2,660	2,660
1-Mar-2017	Vanguard Investments Australia Ltd.	Buy	61.37	Ordinary	3,900	3,900
2-Mar-2017	Vanguard Investments Australia Ltd.	Buy	63.53	Ordinary	53,970	53,970
6-Mar-2017	Vanguard Investments Australia Ltd.	Buy	62.13	Ordinary	2,025	2,025
6-Mar-2017	Vanguard Investments Australia Ltd.	Buy	62.18	Ordinary	321	321
9-Mar-2017	Vanguard Investments Australia Ltd.	Buy	60.14	Ordinary	130	130
10-Mar-2017	Vanguard Investments Australia Ltd.	Buy	58.97	Ordinary	8,560	8,560
15-Mar-2017	Vanguard Investments Australia Ltd.	Buy	60.83	Ordinary	2,835	2,835
17-Mar-2017	Vanguard Investments Australia Ltd.	Buy	62.93	Ordinary	12,765	12,765
17-Mar-2017	Vanguard Investments Australia Ltd.	Buy	62.93	Ordinary	880	880
17-Mar-2017	Vanguard Investments Australia Ltd.	Buy	62.93	Ordinary	8,100	8,100
17-Mar-2017	Vanguard Investments Australia Ltd.	Buy	62.93	Ordinary	805	805
17-Mar-2017	Vanguard Investments Australia Ltd.	Buy	62.93	Ordinary	3,229	3,229
17-Mar-2017	Vanguard Investments Australia Ltd.	Buy	62.93	Ordinary	3,540	3,540
17-Mar-2017	Vanguard Investments Australia Ltd.	Buy	62.93	Ordinary	9,910	9,910
21-Mar-2017	Vanguard Investments Australia Ltd.	Sell	61.60	Ordinary	(6,572)	(6,572)
23-Mar-2017	Vanguard Investments Australia Ltd.	Buy	60.00	Ordinary	3,582	3,582
24-Mar-2017	Vanguard Investments Australia Ltd.	Buy	60.11	Ordinary	50,302	50,302
24-Mar-2017	Vanguard Investments Australia Ltd.	Sell	60.11	Ordinary	(50,302)	(50,302)
27-Mar-2017	Vanguard Investments Australia Ltd.	Buy	59.02	Ordinary	1,774	1,774
28-Mar-2017	Vanguard Investments Australia Ltd.	Buy	59.93	Ordinary	82,428	82,428
29-Mar-2017	Vanguard Investments Australia Ltd.	Buy	60.35	Ordinary	10,100	10,100
31-Mar-2017	Vanguard Investments Australia Ltd.	Sell	60.46	Ordinary	(159)	(159)
4-Apr-2017	Vanguard Investments Australia Ltd.	Buy	59.79	Ordinary	14,503	14,503
4-Apr-2017	Vanguard Investments Australia Ltd.	Buy	59.79	Ordinary	1,840	1,840
4-Apr-2017	Vanguard Investments Australia Ltd.	Buy	59.79	Ordinary	3,318	3,318
4-Apr-2017	Vanguard Investments Australia Ltd.	Buy	59.79	Ordinary	5,030	5,030
5-Apr-2017	Vanguard Investments Australia Ltd.	Buy	61.72	Ordinary	550	550
5-Apr-2017	Vanguard Investments Australia Ltd.	Buy	61.72	Ordinary	1,150	1,150
5-Apr-2017	Vanguard Investments Australia Ltd.	Buy	61.72	Ordinary	530	530
5-Apr-2017	Vanguard Investments Australia Ltd.	Buy	61.72	Ordinary	8,000	8,000
5-Apr-2017	Vanguard Investments Australia Ltd.	Buy	61.72	Ordinary	4,600	4,600
5-Apr-2017	Vanguard Investments Australia Ltd.	Buy	61.72	Ordinary	1,960	1,960
6-Apr-2017	Vanguard Investments Australia Ltd.	Sell	60.68	Ordinary	(169,357)	(169,357)
7-Apr-2017	Vanguard Investments Australia Ltd.	Buy	60.01	Ordinary	8,470	8,470
10-Apr-2017	Vanguard Investments Australia Ltd.	Buy	60.65	Ordinary	12,740	12,740
13-Apr-2017	Vanguard Investments Australia Ltd.	Buy	59.06	Ordinary	7,500	7,500
19-Apr-2017	Vanguard Investments Australia Ltd.	Buy	58.90	Ordinary	3,136	3,136
21-Apr-2017	Vanguard Investments Australia Ltd.	Buy	60.01	Ordinary	9,170	9,170
27-Apr-2017	Vanguard Investments Australia Ltd.	Buy	59.80	Ordinary	3,528	3,528
28-Apr-2017	Vanguard Investments Australia Ltd.	Sell	60.44	Ordinary	(161)	(161)
28-Apr-2017	Vanguard Investments Australia Ltd.	Sell	60.44	Ordinary	(498)	(498)
28-Apr-2017	Vanguard Investments Australia Ltd.	Buy	60.44	Ordinary	1,568	1,568
2-May-2017	Vanguard Investments Australia Ltd.	Buy	59.96	Ordinary	6,598	6,598
5-May-2017	Vanguard Investments Australia Ltd.	Buy	57.15	Ordinary	4,078	4,078
8-May-2017	Vanguard Investments Australia Ltd.	Buy	58.48	Ordinary	62	62
9-May-2017	Vanguard Investments Australia Ltd.	Sell	58.79	Ordinary	(1,148)	(1,148)
9-May-2017	Vanguard Investments Australia Ltd.	Buy	58.79	Ordinary	3,920	3,920
11-May-2017	Vanguard Investments Australia Ltd.	Buy	59.58	Ordinary	14,033	14,033
12-May-2017	Vanguard Investments Australia Ltd.	Buy	59.80	Ordinary	10,587	10,587
12-May-2017	Vanguard Investments Australia Ltd.	Buy	59.80	Ordinary	865	865
12-May-2017	Vanguard Investments Australia Ltd.	Buy	59.80	Ordinary	3,704	3,704
15-May-2017	Vanguard Investments Australia Ltd.	Buy	59.44	Ordinary	1,374	1,374
15-May-2017	Vanguard Investments Australia Ltd.	Buy	59.44	Ordinary	5,928	5,928
15-May-2017	Vanguard Investments Australia Ltd.	Buy	59.44	Ordinary	5,201	5,201
15-May-2017	Vanguard Investments Australia Ltd.	Buy	59.44	Ordinary	2,744	2,744
16-May-2017	Vanguard Investments Australia Ltd.	Buy	60.03	Ordinary	8,341	8,341
17-May-2017	Vanguard Investments Australia Ltd.	Buy	61.62	Ordinary	5,707	5,707
18-May-2017	Vanguard Investments Australia Ltd.	Buy	61.81	Ordinary	2,744	2,744
19-May-2017	Vanguard Investments Australia Ltd.	Buy	62.36	Ordinary	925	925
23-May-2017	Vanguard Investments Australia Ltd.	Sell	64.74	Ordinary	(6,045)	(6,045)

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Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
25-May-2017	Vanguard Investments Australia Ltd.	Buy	64.80	Ordinary	8,663	8,663
29-May-2017	Vanguard Investments Australia Ltd.	Sell	62.67	Ordinary	(1,829)	(1,829)
31-May-2017	Vanguard Investments Australia Ltd.	Sell	62.81	Ordinary	(286)	(286)
31-May-2017	Vanguard Investments Australia Ltd.	Sell	62.81	Ordinary	(252)	(252)
1-Jun-2017	Vanguard Investments Australia Ltd.	Buy	61.80	Ordinary	12,185	12,185
6-Jun-2017	Vanguard Investments Australia Ltd.	Sell	61.47	Ordinary	(3,806)	(3,806)
6-Jun-2017	Vanguard Investments Australia Ltd.	Buy	61.47	Ordinary	3,920	3,920
7-Jun-2017	Vanguard Investments Australia Ltd.	Sell	61.68	Ordinary	(1,226)	(1,226)
8-Jun-2017	Vanguard Investments Australia Ltd.	Buy	62.04	Ordinary	66,598	66,598
8-Jun-2017	Vanguard Investments Australia Ltd.	Buy	62.10	Ordinary	5,880	5,880
9-Jun-2017	Vanguard Investments Australia Ltd.	Buy	62.99	Ordinary	168,779	168,779
9-Jun-2017	Vanguard Investments Australia Ltd.	Buy	63.23	Ordinary	6,125	6,125
13-Jun-2017	Vanguard Investments Australia Ltd.	Buy	62.67	Ordinary	175,263	175,263
14-Jun-2017	Vanguard Investments Australia Ltd.	Buy	62.33	Ordinary	236,489	236,489
14-Jun-2017	Vanguard Investments Australia Ltd.	Buy	62.25	Ordinary	8,780	8,780
15-Jun-2017	Vanguard Investments Australia Ltd.	Buy	60.56	Ordinary	216,660	216,660
16-Jun-2017	Vanguard Investments Australia Ltd.	Buy	60.08	Ordinary	901	901
16-Jun-2017	Vanguard Investments Australia Ltd.	Buy	60.08	Ordinary	6,824	6,824
16-Jun-2017	Vanguard Investments Australia Ltd.	Buy	60.08	Ordinary	2,658	2,658
16-Jun-2017	Vanguard Investments Australia Ltd.	Buy	60.14	Ordinary	1,125,213	1,125,213
16-Jun-2017	Vanguard Investments Australia Ltd.	Buy	60.08	Ordinary	5,488	5,488
16-Jun-2017	Vanguard Investments Australia Ltd.	Buy	60.08	Ordinary	5,203	5,203

This is Annexure A of 6 pages referred to in Form 603, Notice of initial substantial holder.

Signature

Date

16-Feb-2018