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Form 603

Corporations Act 2001 Section 671B

Notice of initial substantial holder

To Company Name/Scheme	Insurance Australia Limited	
ACN/ARSN	000 016 722	
Details of substantial holder (1)		
Name ACN/ARSN (if applicable)	The Vanguard Group, Inc. N/A	
The holder became a substantial holder on	7 November 2018	

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	115,541,621	115,541,621	5.123%

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	Beneficial Owner	Ordinary - 52,297,385
Ltd.		
The Vanguard Group, Inc.	Beneficial Owner	Ordinary - 63,244,236

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	Registered holder of	Person entitled to be	Class and
relevant	securities	registered as holder (8)	number of
interest			securities
Vanguard	JP Morgan Chase	Vanguard Investments Australia Ltd is the manager of various	Ordinary –
Investments	Bank, N.A. and various	superannuation funds, institutional investor portfolios and unit trusts	52,297,385
Australia Ltd	other Custodians	and in that capacity can exercise the power to vote and/or dispose of	
		the shares	
The Vanguard	Brown Brothers	The Vanguard Group, Inc., is the manager of various Mutual funds and	Ordinary –
Group, Inc.	Harriman	accounts and in that capacity has the power to dispose of the shares	5,447,776
The Vanguard	JP Morgan Chase	The Vanguard Group, Inc., is the manager of various Mutual funds and	Ordinary –
Group, Inc.	Bank, N.A.	accounts and in that capacity has the power to dispose of the shares	35,012,863
The Vanguard	Citibank	The Vanguard Group, Inc., is the manager of various Mutual funds and	Ordinary -
Group, Inc.		accounts and in that capacity has the power to dispose of the shares	23,774
The Vanguard	BNY Mellon	The Vanguard Group, Inc., is the manager of various Mutual funds and	Ordinary -
Group, Inc.		accounts and in that capacity has the power to dispose of the shares	6,638,709
The Vanguard	State Street Bank and	The Vanguard Group, Inc., is the manager of various Mutual funds and	Ordinary –
Group, Inc.	Trust Company	accounts and in that capacity has the power to dispose of the shares	16,121,114

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 Australia

date

13 November 2018

DIRECTIONS

- (1) If there are a number of substantial holders with similar or related interests (eg. 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 608 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 (eg. if the relevant interest arises because of an option) write "unknown".
- (9) Details of the consideration must include any and all benefits, moneys and other, that any person from whom a relevant interest has 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 of its associate in relation to the acquisitions, even if they are not paid directly to the person from whom the relevant interest was acquired.

To Company ACN/ARSN

Insurance Australia Limited

000 016 722

Substantial Holder Name ACN/ARSN

The Vanguard Group, Inc.

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
6-Jul-2018	The Vanguard Group, Inc.	Buy		Ordinary	5,928	5,928
6-Jul-2018	The Vanguard Group, Inc.	Buy		Ordinary	13,711	13,711
6-Jul-2018	The Vanguard Group, Inc.	Buy	8.29	Ordinary	839	839
11-Jul-2018	The Vanguard Group, Inc.	Buy	8.07	Ordinary	97,753	97,753
11-Jul-2018	The Vanguard Group, Inc.	Buy	8.07	Ordinary	1,969	1,969
12-Jul-2018	The Vanguard Group, Inc.	Sell	8.13	Ordinary	-10,776	-10,776
12-Jul-2018	The Vanguard Group, Inc.	Sell	8.05	Ordinary	-1,206	-1,206
12-Jul-2018	The Vanguard Group, Inc.	Sell	8.11	Ordinary	-37,927	-37,927
13-Jul-2018	The Vanguard Group, Inc.	Buy	8.17	Ordinary	227	227
17-Jul-2018	The Vanguard Group, Inc.	Buy	8.07	Ordinary	16,643	16,643
17-Jul-2018	The Vanguard Group, Inc.	Buy	7.99	Ordinary	1,214	1,214
18-Jul-2018	The Vanguard Group, Inc.	Buy	8.00	Ordinary	117,071	117,071
19-Jul-2018	The Vanguard Group, Inc.	Buy	7.97	Ordinary	1,545	1,545
20-Jul-2018	The Vanguard Group, Inc.	Buy	7.96	Ordinary	4,940	4,940
20-Jul-2018	The Vanguard Group, Inc.	Sell	7.98	Ordinary	-17,960	-17,960
20-Jul-2018	The Vanguard Group, Inc.	Buy	7.98	Ordinary	15,319	15,319
23-Jul-2018	The Vanguard Group, Inc.	Sell	7.89	Ordinary	-6,684	-6,684
24-Jul-2018	The Vanguard Group, Inc.	Sell	7.97	Ordinary	-1,030	-1,030
24-Jul-2018	The Vanguard Group, Inc.	Buy	8.02	Ordinary	1,545	1,545
24-Jul-2018	The Vanguard Group, Inc.	Buy	8.02	Ordinary	4,599	4,599
25-Jul-2018	The Vanguard Group, Inc.	Sell	8.03	Ordinary	-4,456	-4,456
25-Jul-2018	The Vanguard Group, Inc.	Sell	8.03	Ordinary	-33,420	-33,420
25-Jul-2018	The Vanguard Group, Inc.	Sell	8.03	Ordinary	-6,684	-6,684
25-Jul-2018	The Vanguard Group, Inc.	Sell	8.00	Ordinary	-1,761	-1,761
27-Jul-2018	The Vanguard Group, Inc.	Sell	8.02	Ordinary	-12,650	-12,650
30-Jul-2018	The Vanguard Group, Inc.	Sell	8.02	Ordinary	-11,508	-11,508
31-Jul-2018	The Vanguard Group, Inc.	Buy	8.05	Ordinary	91,569	91,569
31-Jul-2018	The Vanguard Group, Inc.	Sell	8.05	Ordinary	-13,260	-13,260
1-Aug-2018	The Vanguard Group, Inc.	Buy	8.10	Ordinary	84,235	84,235
1-Aug-2018	The Vanguard Group, Inc.	Sell	8.09	Ordinary	-671	-671
2-Aug-2018	The Vanguard Group, Inc.	Sell	8.17	Ordinary	-22,280	-22,280
3-Aug-2018	The Vanguard Group, Inc.	Sell	8.12	Ordinary	-7,368	
3-Aug-2018	The Vanguard Group, Inc.	Buy	8.12	Ordinary	1,828	····
7-Aug-2018	The Vanguard Group, Inc.	Buy	8.03	Ordinary	121,715	121,715
8-Aug-2018	The Vanguard Group, Inc.	Sell	8.04	Ordinary	-670	
9-Aug-2018	The Vanguard Group, Inc.	Sell	8.26	Ordinary	-23,868	
10-Aug-2018	The Vanguard Group, Inc.	Sell	8.24	Ordinary	-53,472	-53,472
10-Aug-2018	The Vanguard Group, Inc.	Sell	8.24	Ordinary	-23,868	
10-Aug-2018	The Vanguard Group, Inc.	Sell	8.24	Ordinary	-13,260	-13,260
10-Aug-2018	The Vanguard Group, Inc.	Sell	8.24	Ordinary	-47,324	
14-Aug-2018	The Vanguard Group, Inc.	Buy	8.28	Ordinary	82,602	82,602
14-Aug-2018	The Vanguard Group, Inc.	Sell	8.26	Ordinary	-47,736	
14-Aug-2018	The Vanguard Group, Inc.	Sell		Ordinary	-5,978	
15-Aug-2018	The Vanguard Group, Inc.	Sell	7.74	Ordinary	-26,736	
15-Aug-2018	The Vanguard Group, Inc.	Buy		Ordinary	84,196	
15-Aug-2018	The Vanguard Group, Inc.	Buy		Ordinary	33,511	
16-Aug-2018	The Vanguard Group, Inc.	Buy	7.85	Ordinary	88,790	
16-Aug-2018	The Vanguard Group, Inc.	Buy	7.99	Ordinary	4,464	
16-Aug-2018	The Vanguard Group, Inc.	Sell		Ordinary	-47,275	
16-Aug-2018	The Vanguard Group, Inc.	Buy		Ordinary	6,524	
17-Aug-2018	The Vanguard Group, Inc.	Buy		Ordinary	93,569	
17-Aug-2018	The Vanguard Group, Inc.	Buy		Ordinary	3,458	
21-Aug-2018	The Vanguard Group, Inc.	Buy		Ordinary	166,020	
21-Aug-2018	The Vanguard Group, Inc.	Buy		Ordinary	10,608	
21-Aug-2018	The Vanguard Group, Inc.	Buy	7.56	Ordinary	1,900	
21-Aug-2018	The Vanguard Group, Inc.	Buy	7.50	Ordinary	1,798	
24-Aug-2018	The Vanguard Group, Inc.	Buy		Ordinary	5,434	
24-Aug-2018	The Vanguard Group, Inc.	Sell		Ordinary	-55,347	
24-Aug-2018	The Vanguard Group, Inc.	Buy		Ordinary	55,347	
27-Aug-2018	The Vanguard Group, Inc.	Buy	7.6	Ordinary	17,952	17,952

Dept. of Infants 1.0		Person whose relevant interest	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes
27-May 2013 The Vangard Group, Inc. 197 28-May 2013 The Vangard Group, Inc. 197 To Cyrdinary	Date of change	changed					13,260
26. Aug. 2013 The Veriginant Stoody, Inc. Day 7.60 Declarary 99,644 99,654 599,656 758,656 758,656 753 Ordinary 7.71 7.71 7.75							1,366
Sep-2018 The Vangard Group, Inc. Sep-20							90,454
Sep-2018 The Vangard Group, Inc. Sep 2018	` `						-721
Sep-2018 The Vangard Group, Inc. Nur. 7.47 Ordinary 33,494 33,							-1,897
Sep_20.00							91,944
1.58p-2018 The Vangaurd Group, Inc. Nur. 1.4.7 Ordinary 1.0,776 1.75p-2018 The Vangaurd Group, Inc. Nur. 1.4.7 Ordinary 7.5p-2018 The Vangaurd Group, Inc. Nur. 7.4.7 Ordinary 2.6,520 26, 7.5p-2018 The Vangaurd Group, Inc. Nur. 7.4.7 Ordinary 2.6,520 26, 7.5p-2018 The Vangaurd Group, Inc. Nur. 7.4.7 Ordinary 2.6,520 26, 7.5p-2018 The Vangaurd Group, Inc. Nur. 7.4.7 Ordinary 4.383 4.1, 7.5p-2018 The Vangaurd Group, Inc. Nur. 7.4.7 Ordinary 4.383 4.1, 7.5p-2018 The Vangaurd Group, Inc. Nur. 7.4.1 Ordinary 4.385 4.1, 7.5p-2018 The Vangaurd Group, Inc. Nur. 7.4.1 Ordinary 7.5p-6 7.5p-2018 The Vangaurd Group, Inc. Sur. 7.31 Ordinary 7.5p-6 7.5p-2018 The Vangaurd Group, Inc. Sur. 7.31 Ordinary 7.5p-6 7.3p-2018 The Vangaurd Group, Inc. Nur. 7.4p-2018 The Vangaurd Grou							33,492
Sep 2018 The Vanguard Group, Inc. Day 7.47 Ordinary 7.996 7.7							10,776
7-58p-2018 The Varigand Group, Inc. Sury 7-47 Ordinary 26,520 26,							7,956
7-58p-2018 The Variguand Group, Inc. 147 Ordinary 982							
1.0 1.0							982
10-369-2018 The Variguand Group, Inc. 10-379-2018 The Variguand Group,						1	4,363
12-Sep-2018 The Vanguard Group, Inc. 12-Sep-2018 The Vanguard Group, Inc. 12-Sep-2018 The Vanguard Group, Inc. 13-Sep-2018							16,164
12-Sep-2018 The Vanquard Group, Inc. 12-Sep-2018 The Vanquard Group, Inc. 12-Sep-2018 The Vanquard Group, Inc. 13-Sep-2018 The Vanquard Group, Inc. 13-Sep-2018 The Vanquard Group, Inc. 14-Sep-2018 The Vanquard Group, Inc. 15-Sep-2018 The Vanquard Group,							26,520
12-Sep-2018 The Vanguard Group, Inc. 13-Sep-2018 The Vanguard Group, Inc. 13-Sep-2018 The Vanguard Group, Inc. 13-Sep-2018 The Vanguard Group, Inc. 14-Sep-2018 The Vanguard Group, Inc. 14-Sep-2018 The Vanguard Group, Inc. 15-Sep-2018 The Vanguard Group, Inc. 18-Sep-2018 The Vanguard Group,							
13-Sep-2018 The Vanguard Group, Inc. 8uy 7,26 Ordinary 5,600 5,1 14-Sep-2018 The Vanguard Group, Inc. 8uy 7,28 (Ordinary 15,513) 19,1 13-Sep-2018 The Vanguard Group, Inc. 8uy 7,28 (Ordinary 15,513) 19,1 13-Sep-2018 The Vanguard Group, Inc. 8uy 7,38 (Ordinary 2,373) 20,7 13-Sep-2018 The Vanguard Group, Inc. 8uy 7,40 (Ordinary 2,373) 20,7 21-Sep-2018 The Vanguard Group, Inc. 8uy 7,40 (Ordinary 2,373) 21,52 21-Sep-2018 The Vanguard Group, Inc. 8ul 7,40 (Ordinary 2,373) 21,52 21-Sep-2018 The Vanguard Group, Inc. 8ul 7,40 (Ordinary 2,272) 21,52 21-Sep-2018 The Vanguard Group, Inc. 8ul 7,40 (Ordinary 2,272) 22,53 22-Sep-2018 The Vanguard Group, Inc. 8ul 7,40 (Ordinary 2,272) 22,53 26-Sep-2018 The Vanguard Group, Inc. 8ul 7,40 (Ordinary 2,272) 22,53 26-Sep-2018 The Vanguard Group, Inc. 8ul 7,40 (Ordinary 2,272) 22,53 26-Sep-2018 The Vanguard Group, Inc. 8ul 7,40 (Ordinary 2,272) 22,53 26-Sep-2018 The Vanguard Group, Inc. 8ul 7,40 (Ordinary 2,272) 22,53 26-Sep-2018 The Vanguard Group, Inc. 8ul 7,40 (Ordinary 2,272) 22,53 26-Sep-2018 The Vanguard Group, Inc. 8ul 7,40 (Ordinary 2,272) 22,53 26-Sep-2018 The Vanguard Group, Inc. 8ul 7,40 (Ordinary 2,272) 22,53 26-Sep-2018 The Vanguard Group, Inc. 8ul 7,40 (Ordinary 2,272) 22,53 26-Sep-2018 The Vanguard Group, Inc. 8ul 7,40 (Ordinary 2,272) 22,53 27-Sep-2018 The Vanguard Group, Inc. 8ul 7,40 (Ordinary 2,272) 22,53 27-Sep-2018 The Vanguard Group, Inc. 8ul 7,40 (Ordinary 2,274) 22,53 27-Sep-2018 The Vanguard Group, Inc. 8ul 7,40 (Ordinary 2,274) 22,53 27-Sep-2018 The Vanguard Group, Inc. 8ul 7,40 (Ordinary 2,274) 22,53 27-Sep-2018 The Vanguard Group, Inc. 8ul 7,40 (Ordinary 2,274) 22,53 27-Sep-2018 The Vanguard Group, Inc. 8ul 7,40 (Ordinary 2,274) 23,53 27-Sep-2018 The Vanguard Group, Inc. 8ul 7,40 (Ordinary 2,274) 23,53 27-Sep-2018 The Vanguard Group, Inc. 8ul 7,40 (Ordinary 2,274) 23,53 27-Sep-2018 The Vanguard Group, Inc. 8ul 7,40 (Ordinary 2,274) 23,53 27-Sep-2018 The Vanguard Group, Inc. 8ul 7,40 (Ordinary 2,274)							
13-Sep-2018 The Vanguard Group, Inc. Buy 7-28 Ordinary 671							5,600
14-Sep-2018 The Vanguard Group, Inc. Buy 7.36 Ordinary 20,131 19, 18-Sep-2018 The Vanguard Group, Inc. Buy 7.38 Ordinary 20,131 22, 18-Sep-2018 The Vanguard Group, Inc. Buy 7.38 Ordinary 20,131 22, 11-Sep-2018 The Vanguard Group, Inc. Buy 7.40 Ordinary 2, 11-7 22, 11-Sep-2018 The Vanguard Group, Inc. Buy 7.40 Ordinary 4.54-82 4.55, 12-Sep-2018 The Vanguard Group, Inc. Sell 7.40 Ordinary 2, 11-7 2, 11-5-Sep-2018 The Vanguard Group, Inc. Sell 7.40 Ordinary 2, 11-5-Sep-2018 The Vanguard Group, Inc. Sell 7.40 Ordinary 2, 11-5-Sep-2018 The Vanguard Group, Inc. Sell 7.40 Ordinary 2, 11-Sep-2018 The Vanguard Group, Inc. Sell 7.40 Ordinary 2, 11-Sep-2018 The Vanguard Group, Inc. Buy 7.25 Ordinary 2, 11-Sep-2018 The Vanguard Group, Inc. Buy 7.25 Ordinary 1, 11-Sep-2018 The Vanguard Group, Inc. Buy 7.25 Ordinary 1, 11-Sep-2018 The Vanguard Group, Inc. Buy 7.25 Ordinary 1, 11-Sep-2018 The Vanguard Group, Inc. Sell 7.30 Ordinary 2, 11-Sep-2018 The Vanguard Group, Inc. Sell 7.30 Ordinary 2, 11-Sep-2018 The Vanguard Group, Inc. Sell 7.30 Ordinary 2, 11-Sep-2018 The Vanguard Group, Inc. Sell 7.30 Ordinary 2, 11-Sep-2018 The Vanguard Group, Inc. Sell 7.30 Ordinary 2, 11-Sep-2018 The Vanguard Group, Inc. Sell 7.30 Ordinary 2, 11-Sep-2018 The Vanguard Group, Inc. Sell 7.30 Ordinary 2, 11-Sep-2018 The Vanguard Group, Inc. Sell 7.30 Ordinary 3, 11-Sep-2018 The Vanguard Group, Inc. Sell 7.20 Ordinary 4, 11-Sep-2018 The Vanguard Group, Inc. Sell 7.20 Ordinary 4, 11-Sep-2018 The Vanguard Group, Inc. Sell 7.20 Ordinary 4, 11-Sep-2018 The Vanguard Group, Inc. Sell 7.20 Ordinary 4, 11-Sep-2018 The Vanguard Group, Inc. Sell 7.20 Ordinary 4, 11-Sep-2018 The Vanguard Group, Inc. Sell 7.20 Ordinary 4, 11-Sep-2018 The Vanguard Group, Inc. Sell 7.20 Ordinary 4, 11-Sep-2018 The Vanguard Group, Inc. Sell 7.20 Ordinary 4, 11-Sep-2018 The Vanguard Group, Inc. Sell 7.20 Ordinary 4, 11-Sep-2018 The Vanguard Group, Inc. Sell 7.20 Ordinary 4, 11-Sep-2018 The Vanguard Group, Inc. Sell 7.20 Ordinary 1, 11-Sep-2018 The Vanguard Group, Inc. Sell 7.20 Ord					 		671
18-Sep-2018 The Vanguard Group, Inc. Buy 7-3-8 Ordinary 2073.18 207, 18-Sep-2018 The Vanguard Group, Inc. Buy 7-3-8 Ordinary 2,137 2, 2, 18-Sep-2018 The Vanguard Group, Inc. Sell 7-40 Ordinary 2,137 2, 2, 18-Sep-2018 The Vanguard Group, Inc. Sell 7-40 Ordinary 2,142 25, 21, 22, 22, 23, 24, 25, 24, 25, 24, 25, 24, 25, 24, 25, 24, 25, 24, 25, 24, 25, 24, 25, 24, 25, 24, 25, 24, 25, 24, 25, 24, 25, 24, 25, 24, 25, 24, 25, 24, 25, 24, 25, 25, 26, 2018 The Vanguard Group, Inc. Sell 7-40 Ordinary 2,2,191 2, 2, 2, 25, 26, 2018 The Vanguard Group, Inc. Sell 7-40 Ordinary 2,2,191 2, 2, 25, 26, 2018 The Vanguard Group, Inc. Buy 7-7,26 Ordinary 2,2,191 2, 2, 25, 26, 2018 The Vanguard Group, Inc. Buy 7-7,26 Ordinary 1,1,156 11, 156	14-Sep-2018		<u>-</u>				
18-Sep-2018 The Vanguard Group, Inc. Duy 7-4.1 Ordinary 2,137 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3,	17-Sep-2018						
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18-Oct-2018 The Vanguard Group, Inc. Sell 7,24 Ordinary -1,214 -1			Sell	6.8	6 Ordinary	-96	
19-Oct-2018 The Vanguard Group, Inc. Buy 7.18 Ordinary 13,686 13 19-Oct-2018 The Vanguard Group, Inc. Buy 7.18 Ordinary 16,734 16 22-Oct-2018 The Vanguard Group, Inc. Buy 7.19 Ordinary 1,162 11 23-Oct-2018 The Vanguard Group, Inc. Buy 7.00 Ordinary 101,431 101 23-Oct-2018 The Vanguard Group, Inc. Buy 7.03 Ordinary 14,786 14 24-Oct-2018 The Vanguard Group, Inc. Sell 6.88 Ordinary -17,472 -17 25-Oct-2018 The Vanguard Group, Inc. Buy 6.87 Ordinary 100,842 100 25-Oct-2018 The Vanguard Group, Inc. Buy 6.87 Ordinary 13,945 12 25-Oct-2018 The Vanguard Group, Inc. Buy 6.83 Ordinary 13,945 12 26-Oct-2018 The Vanguard Group, Inc. Buy 6.83 Ordinary 101,217 101 26-Oct-2018 The Vanguard Group, Inc. Buy 6.83 Ordinary 101,217 101 26-Oct-2018 The Vanguard Group, Inc. Buy 6.83 Ordinary 1,963 1 26-Oct-2018 The Vanguard Group, Inc. Buy 6.83 Ordinary 1,963 1 26-Oct-2018 The Vanguard Group, Inc. Buy 6.83 Ordinary 3,603 1 26-Oct-2018 The Vanguard Group, Inc. Buy 6.83 Ordinary 3,603 1 26-Oct-2018 The Vanguard Group, Inc. Buy 6.83 Ordinary 3,603 1 26-Oct-2018 The Vanguard Group, Inc. Buy 6.83 Ordinary 3,603 1 26-Oct-2018 The Vanguard Group, Inc. Buy 6.83 Ordinary 3,603 1 26-Oct-2018 The Vanguard Group, Inc. Buy 6.83 Ordinary 3,603 1 26-Oct-2018 The Vanguard Group, Inc. Buy 6.83 Ordinary 3,603 1 26-Oct-2018 The Vanguard Group, Inc. Buy 6.83 Ordinary 3,603 1 30-Oct-2018 The Vanguard Group, Inc. Buy 6.83 Ordinary 3,603 1 31-Oct-2018 The Vanguard Group, Inc. Buy 6.83 Ordinary 1,158 1 30-Oct-2018 The Vanguard Group, Inc. Buy 6.83 Ordinary 1,158 1 31-Oct-2018 The Vanguard Group, Inc. Buy 6.83 Ordinary 1,158 1 31-Oct-2018 The Vanguard Group, Inc. Buy 7.02 Ordinary 1,159 1 31-Oct-2018 The Vanguard Group, Inc. Buy 6.83 Ordinary 1,159 1 31-Oct-2018 The Vanguard Group, Inc. Buy 7.06 Ordinary 1,100 1 31-Oct-2018 The Vanguard Group, Inc. Buy 6.83 Ordinary 1,159 1 31-Oct-2018 The Vanguard Group, Inc. Buy 7.06 Ordinary 204,815 2			Sell	7.2	4 Ordinary	-1,21	4 -1,21
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22-Oct-2018 The Vanguard Group, Inc. Buy 7.12 Ordinary 1,162 1 23-Oct-2018 The Vanguard Group, Inc. Buy 7.07 Ordinary 101,431 101 23-Oct-2018 The Vanguard Group, Inc. Buy 7.03 Ordinary 14,786 14 24-Oct-2018 The Vanguard Group, Inc. Sell 6.88 Ordinary 11,4786 14 25-Oct-2018 The Vanguard Group, Inc. Buy 6.87 Ordinary 100,842 100 25-Oct-2018 The Vanguard Group, Inc. Buy 6.87 Ordinary 14,657 44 25-Oct-2018 The Vanguard Group, Inc. Buy 6.87 Ordinary 13,945 12 26-Oct-2018 The Vanguard Group, Inc. Buy 6.83 Ordinary 101,217 101 26-Oct-2018 The Vanguard Group, Inc. Buy 6.83 Ordinary 1,963 12 26-Oct-2018 The Vanguard Group, Inc. Buy 6.83 Ordinary 1,963 12 26-Oct-2018 The Vanguard Group, Inc. Buy 6.83 Ordinary 1,963 12 26-Oct-2018 The Vanguard Group, Inc. Buy 6.83 Ordinary 1,963 12 26-Oct-2018 The Vanguard Group, Inc. Buy 6.83 Ordinary 1,963 12 26-Oct-2018 The Vanguard Group, Inc. Buy 6.83 Ordinary 1,963 12 26-Oct-2018 The Vanguard Group, Inc. Buy 6.83 Ordinary 1,158 12 26-Oct-2018 The Vanguard Group, Inc. Buy 6.83 Ordinary 1,158 12 26-Oct-2018 The Vanguard Group, Inc. Buy 6.83 Ordinary 1,158 13 30-Oct-2018 The Vanguard Group, Inc. Buy 6.83 Ordinary 1,158 13 30-Oct-2018 The Vanguard Group, Inc. Buy 7.02 Ordinary 1,158 13 31-Oct-2018 The Vanguard Group, Inc. Buy 7.02 Ordinary 1,158 14 31-Oct-2018 The Vanguard Group, Inc. Buy 7.06 Ordinary 1,154 11 31-Oct-2018 The Vanguard Group, Inc. Buy 7.06 Ordinary 1,154 11 31-Oct-2018 The Vanguard Group, Inc. Buy 7.06 Ordinary 1,154 11				7.1	8 Ordinary	16,73	4 16,73
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1-Nov-2018 The Vanguard Group, Inc.							
1-Nov-2018 The Vanguard Group, Inc. Buy 7.06 Ordinary 54,460 5							

	Person whose relevant interest	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes
Date of change	changed The Vanguard Group, Inc.	Buy		Ordinary	27,220	27,220
1-Nov-2018	The Vanguard Group, Inc. The Vanguard Group, Inc.	Sell		Ordinary	-152,322	-152,322
1-Nov-2018 2-Nov-2018	The Vanguard Group, Inc.	Sell		Ordinary	-51,954	-51,954
5-Nov-2018	The Vanguard Group, Inc.	Sell	7.05	Ordinary	-17,375	-17,375
7-Nov-2018	The Vanguard Group, Inc.	Buy	7.09	Ordinary	21,776	21,776
7-Nov-2018	The Vanguard Group, Inc.	Corporate Action	N/A	Ordinary	-1,552,593	-1,552,593
9-Jul-2018	Vanguard Investments Australia Ltd.	Sell	8.22	Ordinary	-18,399	-18,399
10-Jul-2018	Vanguard Investments Australia Ltd.	Buy		Ordinary	5,471	5,471
16-Jul-2018	Vanguard Investments Australia Ltd.	Buy		Ordinary	34,557	34,557
16-Jul-2018	Vanguard Investments Australia Ltd.	Buy		Ordinary	13,338	13,338
17-Jul-2018	Vanguard Investments Australia Ltd.	Buy		Ordinary	31,061	31,061
18-Jul-2018	Vanguard Investments Australia Ltd.	Sell		Ordinary	-22,430	-22,430 30,309
19-Jul-2018	Vanguard Investments Australia Ltd.	Buy		Ordinary	30,309	24,453
20-Jul-2018	Vanguard Investments Australia Ltd.	Buy		Ordinary	24,453 35,290	35,290
27-Jul-2018	Vanguard Investments Australia Ltd.	Buy		Ordinary	19,809	19,809
2-Aug-2018	Vanguard Investments Australia Ltd.	Buy		Ordinary	-25,254	-25,254
3-Aug-2018	Vanguard Investments Australia Ltd.	Sell		Ordinary Ordinary	24,402	24,402
3-Aug-2018	Vanguard Investments Australia Ltd.	Buy		Ordinary	43,885	
7-Aug-2018	Vanguard Investments Australia Ltd.	Buy		Ordinary	34,450	
15-Aug-2018	Vanguard Investments Australia Ltd.	Buy		Ordinary	13,206	
15-Aug-2018	Vanguard Investments Australia Ltd.	Buy		Ordinary	-9,492	-9,492
16-Aug-2018	Vanguard Investments Australia Ltd.	Sell		Ordinary	22,980	
21-Aug-2018	Vanguard Investments Australia Ltd.	Buy		Ordinary	42,601	42,601
27-Aug-2018	Vanguard Investments Australia Ltd.	Buy		Ordinary	50,279	
28-Aug-2018	Vanguard Investments Australia Ltd.	Buy		Ordinary	1,403	
31-Aug-2018	Vanguard Investments Australia Ltd.	Sell		Ordinary	-1,293	
3-Sep-2018	Vanguard Investments Australia Ltd.	Buy		Ordinary	25,278	
4-Sep-2018	Vanguard investments Australia Ltd. Vanguard Investments Australia Ltd.	Buy		Ordinary	55,360	
6-Sep-2018	Vanguard Investments Australia Ltd. Vanguard Investments Australia Ltd.	Buy		Ordinary	50,504	
7-Sep-2018	Vanguard Investments Australia Ltd. Vanguard Investments Australia Ltd.	Buy		Ordinary	22,980	22,980
10-Sep-2018	Vanguard Investments Australia Ltd.	Seli		Ordinary	-24,664	-24,664
11-Sep-2018 17-Sep-2018	Vanguard Investments Australia Ltd.	Buy		Ordinary	25,674	25,674
21-Sep-2018	Vanguard Investments Australia Ltd.	Buy		Ordinary	41,497	41,497
21-Sep-2018	Vanguard Investments Australia Ltd.	Buy	7.40	Ordinary	38,874	38,874
21-Sep-2018	Vanguard investments Australia Ltd.	Buy	7.40	Ordinary	4,658	4,658
21-Sep-2018	Vanguard Investments Australia Ltd.	Buy	7.40	Ordinary	12,395	12,395
21-Sep-2018	Vanguard Investments Australia Ltd.	Buy	7.40	Ordinary	62,199	62,199
26-Sep-2018	Vanguard Investments Australia Ltd.	Buy	7.2	Ordinary	14,094	
27-Sep-2018	Vanguard Investments Australia Ltd.	Buy	7.30	Ordinary	3,192	
27-Sep-2018	Vanguard Investments Australia Ltd.	Buy	7.30	Ordinary	39,71	
27-Sep-2018	Vanguard Investments Australia Ltd.	Buy		Ordinary	9,025	
27-Sep-2018	Vanguard Investments Australia Ltd.	Buy		Ordinary	12,938	
27-Sep-2018	Vanguard investments Australia Ltd.	Buy		Ordinary	43,110	
27-Sep-2018	Vanguard Investments Australia Ltd.	Buy		Ordinary	22,05	
27-Sep-2018	Vanguard Investments Australia Ltd.	Buy		Ordinary	52,37	
27-Sep-2018	Vanguard Investments Australia Ltd.	Buy		7 Ordinary	180,87	
28-Sep-2018	Vanguard Investments Australia Ltd.	Sell		2 Ordinary	-2,55	
1-Oct-2018	Vanguard Investments Australia Ltd.	Buy		2 Ordinary	20,82	
8-Oct-2018	Vanguard Investments Australia Ltd.	Buy		6 Ordinary	20,82	
10-Oct-2018	Vanguard Investments Australia Ltd.	Sell		1 Ordinary 9 Ordinary	-16,51 27,51	
11-Oct-2018	Vanguard Investments Australia Ltd.	Buy		0 Ordinary	-14,97	
16-Oct-2018	Vanguard Investments Australia Ltd.	Sell		9 Ordinary	71,28	
17-Oct-2018	Vanguard Investments Australia Ltd.	Buy		9 Ordinary	38,43	
17-Oct-2018	Vanguard Investments Australia Ltd.	Buy		2 Ordinary	-10,92	
22-Oct-2018	Vanguard Investments Australia Ltd.	Sell		8 Ordinary	27,13	
24-Oct-2018	Vanguard Investments Australia Ltd.	Buy		8 Ordinary	50,32	
25-Oct-2018	Vanguard Investments Australia Ltd.	Buy Sell		8 Ordinary	-15,52	
25-Oct-2018	Vanguard Investments Australia Ltd.	Buy		8 Ordinary	31,36	
25-Oct-2018	Vanguard Investments Australia Ltd.	Buy		1 Ordinary	90,96	
26-Oct-2018	Vanguard Investments Australia Ltd.	Buy		7 Ordinary	27,96	
29-Oct-2018	Vanguard Investments Australia Ltd. Vanguard Investments Australia Ltd.	Buy		3 Ordinary	6,49	
31-Oct-2018	Vanguard Investments Australia Ltd. Vanguard Investments Australia Ltd.	Buy		3 Ordinary		
31-Oct-2018	Vanguard Investments Australia Ltd. Vanguard Investments Australia Ltd.	Buy		8 Ordinary		
	i valiguaru ilivestifients Australia Ltd.	Duy				
1-Nov-2018 1-Nov-2018	Vanguard Investments Australia Ltd.	Buy	7.0	8 Ordinary	4,32	8 4,32 2 28,13

Annexure A

Date of change	Person whose relevant interest	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
5-Nov-2018	Vanguard Investments Australia Ltd.	Buv	7.05	Ordinary	51,498	51,498
6-Nov-2018	Vanguard Investments Australia Ltd.	Buy	7.00	Ordinary	17,775	17,775
7-Nov-2018	Vanguard Investments Australia Ltd.	Corporate Action	N/A	Ordinary	-1,282,026	-1,282,026

This is Anne	exure A of 4 pages referred to in Form 603, Notice of Illitial Substantial Notice.			
	Kadalan	Date	13-Nov-2018	
Signature				
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