

Form 603
Corporations Act 2001
Section 671B

Notice of initial substantial holder

To Company Name/Scheme APA Group
ACN/ARSN 091 678 778 & 115 585 441

1. Details of substantial holder (1)

Name The Vanguard Group, Inc.
ACN/ARSN (if applicable) N/A

The holder became a substantial holder on 30 December 2016

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	56,186,718	56,186,718	5.042%

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 – 32,736,663
The Vanguard Group, Inc.	Beneficial Owner	Ordinary – 23,450,055

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 – 32,736,663
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 – 13,105,708
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 – 10,115,602
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 – 198,512
The Vanguard Group, Inc.	The Bank of New York Mellon Corporation	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 – 30,233

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

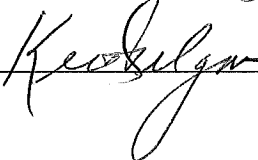
The reasons the persons named in paragraph 3 above are associates of the substantial holder are as follows:

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 Keita Delgado capacity Sr. Mgr, Fund Compliance
sign here  date 03 January 2017

Annexure A

To Company
ACN/ARSN

APA Group
091 678 778 & 115 585 441

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
30-Aug-16	The Vanguard Group, Inc.	BUY	9.33	Ordinary	769	769
1-Sep-16	The Vanguard Group, Inc.	SELL	9.29	Ordinary	(794)	(794)
1-Sep-16	The Vanguard Group, Inc.	BUY	9.13	Ordinary	1,426	1,426
1-Sep-16	The Vanguard Group, Inc.	BUY	9.18	Ordinary	2,227	2,227
2-Sep-16	The Vanguard Group, Inc.	BUY	9.06	Ordinary	8,082	8,082
5-Sep-16	The Vanguard Group, Inc.	BUY	9.17	Ordinary	72,565	72,565
5-Sep-16	The Vanguard Group, Inc.	BUY	9.06	Ordinary	335	335
6-Sep-16	The Vanguard Group, Inc.	BUY	9.16	Ordinary	8,793	8,793
7-Sep-16	The Vanguard Group, Inc.	BUY	9.18	Ordinary	3,630	3,630
8-Sep-16	The Vanguard Group, Inc.	BUY	9.09	Ordinary	2,112	2,112
8-Sep-16	The Vanguard Group, Inc.	BUY	9.10	Ordinary	893	893
8-Sep-16	The Vanguard Group, Inc.	BUY	9.10	Ordinary	1,381	1,381
9-Sep-16	The Vanguard Group, Inc.	BUY	9.03	Ordinary	9,694	9,694
9-Sep-16	The Vanguard Group, Inc.	SELL	9.03	Ordinary	(9,694)	(9,694)
9-Sep-16	The Vanguard Group, Inc.	BUY	9.03	Ordinary	2,227	2,227
13-Sep-16	The Vanguard Group, Inc.	SELL	8.90	Ordinary	(1,461)	(1,461)
16-Sep-16	The Vanguard Group, Inc.	SELL	8.50	Ordinary	(98,493)	(98,493)
20-Sep-16	The Vanguard Group, Inc.	BUY	8.58	Ordinary	8,082	8,082
20-Sep-16	The Vanguard Group, Inc.	BUY	8.58	Ordinary	1,538	1,538
20-Sep-16	The Vanguard Group, Inc.	BUY	8.60	Ordinary	1,409	1,409
20-Sep-16	The Vanguard Group, Inc.	BUY	8.55	Ordinary	2,227	2,227
20-Sep-16	The Vanguard Group, Inc.	BUY	8.60	Ordinary	6,698	6,698
20-Sep-16	The Vanguard Group, Inc.	SELL	8.47	Ordinary	(3,457)	(3,457)
21-Sep-16	The Vanguard Group, Inc.	BUY	8.69	Ordinary	77,723	77,723
21-Sep-16	The Vanguard Group, Inc.	BUY	8.69	Ordinary	13,470	13,470
21-Sep-16	The Vanguard Group, Inc.	BUY	8.65	Ordinary	3,886	3,886
23-Sep-16	The Vanguard Group, Inc.	BUY	8.72	Ordinary	13,455	13,455
23-Sep-16	The Vanguard Group, Inc.	SELL	8.72	Ordinary	(13,455)	(13,455)
27-Sep-16	The Vanguard Group, Inc.	BUY	8.71	Ordinary	9,429	9,429
27-Sep-16	The Vanguard Group, Inc.	BUY	8.70	Ordinary	1,443	1,443
27-Sep-16	The Vanguard Group, Inc.	BUY	8.70	Ordinary	712	712
28-Sep-16	The Vanguard Group, Inc.	BUY	8.65	Ordinary	1,184	1,184
3-Oct-16	The Vanguard Group, Inc.	BUY	8.56	Ordinary	13,470	13,470
3-Oct-16	The Vanguard Group, Inc.	BUY	8.58	Ordinary	896	896
3-Oct-16	The Vanguard Group, Inc.	SELL	8.53	Ordinary	(1,379)	(1,379)
4-Oct-16	The Vanguard Group, Inc.	BUY	8.44	Ordinary	76,688	76,688
12-Oct-16	The Vanguard Group, Inc.	BUY	8.07	Ordinary	16,243	16,243
12-Oct-16	The Vanguard Group, Inc.	BUY	8.09	Ordinary	43,896	43,896
13-Oct-16	The Vanguard Group, Inc.	BUY	8.10	Ordinary	4,224	4,224
13-Oct-16	The Vanguard Group, Inc.	BUY	8.10	Ordinary	7,392	7,392
17-Oct-16	The Vanguard Group, Inc.	SELL	7.92	Ordinary	(3,021)	(3,021)
18-Oct-16	The Vanguard Group, Inc.	BUY	8.03	Ordinary	10,560	10,560
18-Oct-16	The Vanguard Group, Inc.	BUY	8.03	Ordinary	9,429	9,429
19-Oct-16	The Vanguard Group, Inc.	BUY	8.04	Ordinary	3,168	3,168
19-Oct-16	The Vanguard Group, Inc.	BUY	8.03	Ordinary	8,491	8,491
20-Oct-16	The Vanguard Group, Inc.	SELL	8.11	Ordinary	(10,022)	(10,022)
21-Oct-16	The Vanguard Group, Inc.	BUY	8.10	Ordinary	13,470	13,470
24-Oct-16	The Vanguard Group, Inc.	BUY	7.98	Ordinary	25,190	25,190
24-Oct-16	The Vanguard Group, Inc.	SELL	8.00	Ordinary	(28,682)	(28,682)
25-Oct-16	The Vanguard Group, Inc.	BUY	8.06	Ordinary	81,322	81,322
25-Oct-16	The Vanguard Group, Inc.	BUY	8.03	Ordinary	22,899	22,899
26-Oct-16	The Vanguard Group, Inc.	BUY	7.96	Ordinary	1,487	1,487
26-Oct-16	The Vanguard Group, Inc.	BUY	7.98	Ordinary	27,640	27,640
27-Oct-16	The Vanguard Group, Inc.	BUY	7.92	Ordinary	13,470	13,470
27-Oct-16	The Vanguard Group, Inc.	BUY	7.93	Ordinary	21,777	21,777
28-Oct-16	The Vanguard Group, Inc.	BUY	7.89	Ordinary	3,096	3,096
28-Oct-16	The Vanguard Group, Inc.	BUY	7.89	Ordinary	17,251	17,251
31-Oct-16	The Vanguard Group, Inc.	SELL	7.94	Ordinary	(30,981)	(30,981)
31-Oct-16	The Vanguard Group, Inc.	BUY	7.96	Ordinary	4,646	4,646
1-Nov-16	The Vanguard Group, Inc.	BUY	7.95	Ordinary	1,678	1,678
1-Nov-16	The Vanguard Group, Inc.	BUY	8.00	Ordinary	4,180	4,180

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
3-Nov-16	The Vanguard Group, Inc.	BUY	7.90	Ordinary	766	766
4-Nov-16	The Vanguard Group, Inc.	BUY	7.86	Ordinary	10,776	10,776
7-Nov-16	The Vanguard Group, Inc.	BUY	7.99	Ordinary	31,608	31,608
7-Nov-16	The Vanguard Group, Inc.	SELL	7.95	Ordinary	(52,549)	(52,549)
8-Nov-16	The Vanguard Group, Inc.	BUY	7.95	Ordinary	752	752
14-Nov-16	The Vanguard Group, Inc.	BUY	7.35	Ordinary	6,141	6,141
15-Nov-16	The Vanguard Group, Inc.	BUY	7.27	Ordinary	89,745	89,745
15-Nov-16	The Vanguard Group, Inc.	BUY	7.27	Ordinary	332	332
16-Nov-16	The Vanguard Group, Inc.	BUY	7.34	Ordinary	90,360	90,360
16-Nov-16	The Vanguard Group, Inc.	SELL	7.35	Ordinary	(27,460)	(27,460)
17-Nov-16	The Vanguard Group, Inc.	BUY	7.51	Ordinary	10,789	10,789
21-Nov-16	The Vanguard Group, Inc.	BUY	7.54	Ordinary	10,776	10,776
21-Nov-16	The Vanguard Group, Inc.	BUY	7.54	Ordinary	16,164	16,164
21-Nov-16	The Vanguard Group, Inc.	BUY	7.52	Ordinary	2,227	2,227
21-Nov-16	The Vanguard Group, Inc.	SELL	7.52	Ordinary	(8,894)	(8,894)
23-Nov-16	The Vanguard Group, Inc.	BUY	7.76	Ordinary	90,247	90,247
23-Nov-16	The Vanguard Group, Inc.	BUY	7.82	Ordinary	13,470	13,470
28-Nov-16	The Vanguard Group, Inc.	BUY	7.93	Ordinary	821	821
29-Nov-16	The Vanguard Group, Inc.	BUY	8.00	Ordinary	2,090	2,090
30-Nov-16	The Vanguard Group, Inc.	SELL	7.97	Ordinary	(953)	(953)
30-Nov-16	The Vanguard Group, Inc.	BUY	7.97	Ordinary	1,983	1,983
30-Nov-16	The Vanguard Group, Inc.	BUY	7.97	Ordinary	2,227	2,227
2-Dec-16	The Vanguard Group, Inc.	BUY	7.83	Ordinary	84,909	84,909
2-Dec-16	The Vanguard Group, Inc.	SELL	7.82	Ordinary	(941)	(941)
2-Dec-16	The Vanguard Group, Inc.	BUY	7.82	Ordinary	9,200	9,200
6-Dec-16	The Vanguard Group, Inc.	BUY	8.01	Ordinary	8,082	8,082
7-Dec-16	The Vanguard Group, Inc.	BUY	8.12	Ordinary	2,508	2,508
7-Dec-16	The Vanguard Group, Inc.	BUY	8.12	Ordinary	1,596	1,596
7-Dec-16	The Vanguard Group, Inc.	BUY	8.07	Ordinary	712	712
8-Dec-16	The Vanguard Group, Inc.	BUY	8.03	Ordinary	13,470	13,470
8-Dec-16	The Vanguard Group, Inc.	BUY	8.03	Ordinary	13,470	13,470
13-Dec-16	The Vanguard Group, Inc.	BUY	8.25	Ordinary	13,470	13,470
13-Dec-16	The Vanguard Group, Inc.	BUY	8.25	Ordinary	15,804	15,804
13-Dec-16	The Vanguard Group, Inc.	BUY	8.23	Ordinary	683	683
14-Dec-16	The Vanguard Group, Inc.	BUY	8.38	Ordinary	10,776	10,776
15-Dec-16	The Vanguard Group, Inc.	BUY	8.37	Ordinary	7,902	7,902
16-Dec-16	The Vanguard Group, Inc.	BUY	8.24	Ordinary	9,429	9,429
16-Dec-16	The Vanguard Group, Inc.	BUY	8.24	Ordinary	20,205	20,205
16-Dec-16	The Vanguard Group, Inc.	SELL	8.25	Ordinary	(205)	(205)
16-Dec-16	The Vanguard Group, Inc.	BUY	8.34	Ordinary	1,731	1,731
16-Dec-16	The Vanguard Group, Inc.	BUY	8.25	Ordinary	2,136	2,136
16-Dec-16	The Vanguard Group, Inc.	SELL	8.25	Ordinary	(2,927)	(2,927)
20-Dec-16	The Vanguard Group, Inc.	BUY	8.60	Ordinary	6,455	6,455
20-Dec-16	The Vanguard Group, Inc.	BUY	8.59	Ordinary	14,417	14,417
21-Dec-16	The Vanguard Group, Inc.	BUY	8.65	Ordinary	4,266	4,266
21-Dec-16	The Vanguard Group, Inc.	BUY	8.65	Ordinary	15,492	15,492
22-Dec-16	The Vanguard Group, Inc.	BUY	8.65	Ordinary	2,582	2,582
22-Dec-16	The Vanguard Group, Inc.	BUY	8.65	Ordinary	15,492	15,492
22-Dec-16	The Vanguard Group, Inc.	BUY	8.65	Ordinary	14,714	14,714
22-Dec-16	The Vanguard Group, Inc.	BUY	8.65	Ordinary	798	798
22-Dec-16	The Vanguard Group, Inc.	BUY	8.65	Ordinary	34,553	34,553
23-Dec-16	The Vanguard Group, Inc.	BUY	8.68	Ordinary	5,164	5,164
27-Dec-16	The Vanguard Group, Inc.	BUY	8.69	Ordinary	12,910	12,910
28-Dec-16	The Vanguard Group, Inc.	SELL	8.67	Ordinary	(1,370)	(1,370)
29-Dec-16	The Vanguard Group, Inc.	BUY	8.56	Ordinary	89,281	89,281
29-Dec-16	The Vanguard Group, Inc.	BUY	8.55	Ordinary	5,722	5,722
31-Aug-16	Vanguard Investments Australia Ltd	BUY	9.24	Ordinary	4,250	4,250
31-Aug-16	Vanguard Investments Australia Ltd	SELL	9.24	Ordinary	(6,672)	(6,672)
1-Sep-16	Vanguard Investments Australia Ltd	SELL	9.13	Ordinary	(6,672)	(6,672)
2-Sep-16	Vanguard Investments Australia Ltd	BUY	9.04	Ordinary	4,448	4,448
12-Sep-16	Vanguard Investments Australia Ltd	BUY	8.82	Ordinary	6,672	6,672
12-Sep-16	Vanguard Investments Australia Ltd	BUY	8.82	Ordinary	6,672	6,672
16-Sep-16	Vanguard Investments Australia Ltd	BUY	8.50	Ordinary	46,063	46,063
16-Sep-16	Vanguard Investments Australia Ltd	BUY	8.50	Ordinary	3,190	3,190
16-Sep-16	Vanguard Investments Australia Ltd	BUY	8.50	Ordinary	15,709	15,709
16-Sep-16	Vanguard Investments Australia Ltd	BUY	8.50	Ordinary	23,808	23,808
16-Sep-16	Vanguard Investments Australia Ltd	BUY	8.50	Ordinary	12,464	12,464
16-Sep-16	Vanguard Investments Australia Ltd	BUY	8.50	Ordinary	60,630	60,630

Annexure A

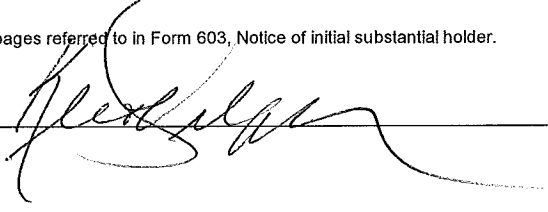
Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
20-Sep-16	Vanguard Investments Australia Ltd	BUY	8.60	Ordinary	5,585	5,585
22-Sep-16	Vanguard Investments Australia Ltd	BUY	8.62	Ordinary	8,936	8,936
22-Sep-16	Vanguard Investments Australia Ltd	BUY	8.62	Ordinary	3,157	3,157
27-Sep-16	Vanguard Investments Australia Ltd	BUY	8.70	Ordinary	140,742	140,742
30-Sep-16	Vanguard Investments Australia Ltd	BUY	8.52	Ordinary	6,702	6,702
30-Sep-16	Vanguard Investments Australia Ltd	SELL	8.52	Ordinary	(27,866)	(27,866)
4-Oct-16	Vanguard Investments Australia Ltd	BUY	8.44	Ordinary	2,835	2,835
5-Oct-16	Vanguard Investments Australia Ltd	BUY	8.25	Ordinary	140,255	140,255
6-Oct-16	Vanguard Investments Australia Ltd	BUY	8.26	Ordinary	91,279	91,279
7-Oct-16	Vanguard Investments Australia Ltd	BUY	8.21	Ordinary	14,540	14,540
10-Oct-16	Vanguard Investments Australia Ltd	BUY	8.08	Ordinary	9,909	9,909
11-Oct-16	Vanguard Investments Australia Ltd	BUY	8.04	Ordinary	15,386	15,386
14-Oct-16	Vanguard Investments Australia Ltd	BUY	8.11	Ordinary	4,592	4,592
17-Oct-16	Vanguard Investments Australia Ltd	BUY	7.92	Ordinary	27,243	27,243
20-Oct-16	Vanguard Investments Australia Ltd	BUY	8.11	Ordinary	5,080	5,080
21-Oct-16	Vanguard Investments Australia Ltd	BUY	8.09	Ordinary	2,810	2,810
21-Oct-16	Vanguard Investments Australia Ltd	BUY	8.09	Ordinary	22,788	22,788
21-Oct-16	Vanguard Investments Australia Ltd	BUY	8.09	Ordinary	14,280	14,280
24-Oct-16	Vanguard Investments Australia Ltd	BUY	8.00	Ordinary	3,620	3,620
24-Oct-16	Vanguard Investments Australia Ltd	BUY	8.00	Ordinary	18,990	18,990
24-Oct-16	Vanguard Investments Australia Ltd	BUY	8.00	Ordinary	19,290	19,290
24-Oct-16	Vanguard Investments Australia Ltd	BUY	8.00	Ordinary	9,144	9,144
25-Oct-16	Vanguard Investments Australia Ltd	BUY	8.05	Ordinary	12,192	12,192
28-Oct-16	Vanguard Investments Australia Ltd	BUY	7.89	Ordinary	59,995	59,995
28-Oct-16	Vanguard Investments Australia Ltd	BUY	7.89	Ordinary	452,503	452,503
28-Oct-16	Vanguard Investments Australia Ltd	BUY	7.89	Ordinary	9,144	9,144
31-Oct-16	Vanguard Investments Australia Ltd	SELL	7.96	Ordinary	(20,300)	(20,300)
31-Oct-16	Vanguard Investments Australia Ltd	BUY	7.96	Ordinary	19,470	19,470
2-Nov-16	Vanguard Investments Australia Ltd	BUY	7.98	Ordinary	4,925	4,925
4-Nov-16	Vanguard Investments Australia Ltd	BUY	7.87	Ordinary	29,240	29,240
4-Nov-16	Vanguard Investments Australia Ltd	BUY	7.87	Ordinary	8,552	8,552
8-Nov-16	Vanguard Investments Australia Ltd	BUY	8.00	Ordinary	11,719	11,719
8-Nov-16	Vanguard Investments Australia Ltd	BUY	7.95	Ordinary	8,091	8,091
9-Nov-16	Vanguard Investments Australia Ltd	BUY	7.86	Ordinary	8,865	8,865
10-Nov-16	Vanguard Investments Australia Ltd	BUY	7.73	Ordinary	9,850	9,850
11-Nov-16	Vanguard Investments Australia Ltd	SELL	7.39	Ordinary	(25,661)	(25,661)
14-Nov-16	Vanguard Investments Australia Ltd	BUY	7.35	Ordinary	54,180	54,180
14-Nov-16	Vanguard Investments Australia Ltd	SELL	7.35	Ordinary	(242,368)	(242,368)
21-Nov-16	Vanguard Investments Australia Ltd	SELL	7.52	Ordinary	(78,519)	(78,519)
24-Nov-16	Vanguard Investments Australia Ltd	BUY	7.76	Ordinary	169,940	169,940
29-Nov-16	Vanguard Investments Australia Ltd	BUY	7.98	Ordinary	13,757	13,757
30-Nov-16	Vanguard Investments Australia Ltd	SELL	7.97	Ordinary	(5,057)	(5,057)
1-Dec-16	Vanguard Investments Australia Ltd	SELL	7.89	Ordinary	(3,072)	(3,072)
1-Dec-16	Vanguard Investments Australia Ltd	SELL	7.89	Ordinary	(22,882)	(22,882)
6-Dec-16	Vanguard Investments Australia Ltd	SELL	7.99	Ordinary	(32,891)	(32,891)
7-Dec-16	Vanguard Investments Australia Ltd	BUY	8.07	Ordinary	476,071	476,071
8-Dec-16	Vanguard Investments Australia Ltd	BUY	8.02	Ordinary	393,461	393,461
9-Dec-16	Vanguard Investments Australia Ltd	BUY	8.05	Ordinary	395,337	395,337
12-Dec-16	Vanguard Investments Australia Ltd	BUY	8.16	Ordinary	296,018	296,018
13-Dec-16	Vanguard Investments Australia Ltd	BUY	8.22	Ordinary	456,769	456,769
14-Dec-16	Vanguard Investments Australia Ltd	BUY	8.37	Ordinary	121,536	121,536
15-Dec-16	Vanguard Investments Australia Ltd	BUY	8.36	Ordinary	826,403	826,403
16-Dec-16	Vanguard Investments Australia Ltd	BUY	8.25	Ordinary	47,777	47,777
16-Dec-16	Vanguard Investments Australia Ltd	BUY	8.25	Ordinary	27,190	27,190
16-Dec-16	Vanguard Investments Australia Ltd	BUY	8.33	Ordinary	521,934	521,934
16-Dec-16	Vanguard Investments Australia Ltd	BUY	8.25	Ordinary	56,640	56,640
16-Dec-16	Vanguard Investments Australia Ltd	BUY	8.25	Ordinary	5,212	5,212
19-Dec-16	Vanguard Investments Australia Ltd	BUY	8.44	Ordinary	614,081	614,081
20-Dec-16	Vanguard Investments Australia Ltd	BUY	8.59	Ordinary	503,478	503,478
21-Dec-16	Vanguard Investments Australia Ltd	BUY	8.66	Ordinary	428,044	428,044
22-Dec-16	Vanguard Investments Australia Ltd	BUY	8.65	Ordinary	371,612	371,612
23-Dec-16	Vanguard Investments Australia Ltd	BUY	8.70	Ordinary	200,000	200,000
23-Dec-16	Vanguard Investments Australia Ltd	BUY	8.70	Ordinary	181,468	181,468
28-Dec-16	Vanguard Investments Australia Ltd	BUY	8.75	Ordinary	378,094	378,094
29-Dec-16	Vanguard Investments Australia Ltd	BUY	8.55	Ordinary	117,060	117,060
29-Dec-16	Vanguard Investments Australia Ltd	BUY	8.56	Ordinary	500,000	500,000
29-Dec-16	Vanguard Investments Australia Ltd	BUY	8.55	Ordinary	10,125	10,125
30-Dec-16	Vanguard Investments Australia Ltd	BUY	8.60	Ordinary	538,305	538,305

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
30-Dec-16	Vanguard Investments Australia Ltd	SELL	8.57	Ordinary	(5,225)	(5,225)

This is Annexure A of 4 pages referred to in Form 603, Notice of initial substantial holder.

Signature



Date

3-Jan-17