

**Form 603**  
Corporations Act 2001  
Section 671B

**Notice of initial substantial holder**

To Company Name/Scheme CSL Limited  
ACN/ARSN 051 588 348

**1. Details of substantial holder (1)**

Name The Vanguard Group, Inc.  
ACN/ARSN (if applicable) N/A  
The holder became a substantial holder on 31 October 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	22,656,088	22,656,088	5.002%

**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 – 10,263,749
The Vanguard Group, Inc.	Beneficial Owner	Ordinary – 12,392,339

**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 – 10,263,749
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 – 1,095,099
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 – 6,796,331
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 – 4,913
The Vanguard Group, Inc.	BNY 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 – 1,364,764
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 – 3,131,232

**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

print name SHAWN ACKER capacity MANAGER  
sign here  date 2 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                    CSL Limited  
ACN/ARSN                     051 588 348

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
3-Jul-2018	The Vanguard Group, Inc.	BUY	196.68	Ordinary	17,480	17,480
3-Jul-2018	The Vanguard Group, Inc.	BUY	196.89	Ordinary	585	585
3-Jul-2018	The Vanguard Group, Inc.	BUY	196.89	Ordinary	552	552
4-Jul-2018	The Vanguard Group, Inc.	BUY	198.21	Ordinary	5,245	5,245
4-Jul-2018	The Vanguard Group, Inc.	SELL	198.74	Ordinary	-1,516	-1,516
4-Jul-2018	The Vanguard Group, Inc.	BUY	197.01	Ordinary	3,213	3,213
5-Jul-2018	The Vanguard Group, Inc.	BUY	198.09	Ordinary	11,276	11,276
5-Jul-2018	The Vanguard Group, Inc.	BUY	198.09	Ordinary	57	57
6-Jul-2018	The Vanguard Group, Inc.	BUY	199.10	Ordinary	1,404	1,404
6-Jul-2018	The Vanguard Group, Inc.	BUY	198.65	Ordinary	34	34
6-Jul-2018	The Vanguard Group, Inc.	BUY	198.22	Ordinary	2,619	2,619
10-Jul-2018	The Vanguard Group, Inc.	BUY	195.86	Ordinary	68	68
11-Jul-2018	The Vanguard Group, Inc.	SELL	195.26	Ordinary	-181	-181
11-Jul-2018	The Vanguard Group, Inc.	BUY	195.26	Ordinary	292	292
12-Jul-2018	The Vanguard Group, Inc.	SELL	201.14	Ordinary	-2,052	-2,052
12-Jul-2018	The Vanguard Group, Inc.	SELL	196.92	Ordinary	-228	-228
12-Jul-2018	The Vanguard Group, Inc.	BUY	196.92	Ordinary	1,510	1,510
12-Jul-2018	The Vanguard Group, Inc.	SELL	200.60	Ordinary	-7,243	-7,243
13-Jul-2018	The Vanguard Group, Inc.	BUY	202.10	Ordinary	6,465	6,465
13-Jul-2018	The Vanguard Group, Inc.	BUY	204.56	Ordinary	17	17
13-Jul-2018	The Vanguard Group, Inc.	BUY	202.00	Ordinary	101	101
17-Jul-2018	The Vanguard Group, Inc.	BUY	197.26	Ordinary	5,688	5,688
17-Jul-2018	The Vanguard Group, Inc.	BUY	197.26	Ordinary	1,151	1,151
18-Jul-2018	The Vanguard Group, Inc.	BUY	198.34	Ordinary	6,577	6,577
19-Jul-2018	The Vanguard Group, Inc.	BUY	200.83	Ordinary	173	173
20-Jul-2018	The Vanguard Group, Inc.	BUY	203.10	Ordinary	6,692	6,692
20-Jul-2018	The Vanguard Group, Inc.	BUY	202.77	Ordinary	1,170	1,170
20-Jul-2018	The Vanguard Group, Inc.	SELL	203.20	Ordinary	-2,332	-2,332
20-Jul-2018	The Vanguard Group, Inc.	BUY	203.20	Ordinary	2,918	2,918
23-Jul-2018	The Vanguard Group, Inc.	SELL	201.46	Ordinary	-1,329	-1,329
24-Jul-2018	The Vanguard Group, Inc.	BUY	202.14	Ordinary	9,292	9,292
24-Jul-2018	The Vanguard Group, Inc.	SELL	201.74	Ordinary	-197	-197
24-Jul-2018	The Vanguard Group, Inc.	BUY	202.45	Ordinary	203	203
24-Jul-2018	The Vanguard Group, Inc.	BUY	202.45	Ordinary	159	159
24-Jul-2018	The Vanguard Group, Inc.	BUY	202.45	Ordinary	173	173
25-Jul-2018	The Vanguard Group, Inc.	SELL	199.96	Ordinary	-886	-886
25-Jul-2018	The Vanguard Group, Inc.	SELL	199.96	Ordinary	-1,329	-1,329
25-Jul-2018	The Vanguard Group, Inc.	SELL	199.96	Ordinary	-6,645	-6,645
25-Jul-2018	The Vanguard Group, Inc.	SELL	199.07	Ordinary	-331	-331
25-Jul-2018	The Vanguard Group, Inc.	BUY	199.07	Ordinary	207	207
26-Jul-2018	The Vanguard Group, Inc.	BUY	198.40	Ordinary	38	38
27-Jul-2018	The Vanguard Group, Inc.	SELL	199.34	Ordinary	-2,417	-2,417
30-Jul-2018	The Vanguard Group, Inc.	SELL	197.56	Ordinary	-2,198	-2,198
31-Jul-2018	The Vanguard Group, Inc.	BUY	197.41	Ordinary	11,398	11,398
31-Jul-2018	The Vanguard Group, Inc.	SELL	196.93	Ordinary	-920	-920
1-Aug-2018	The Vanguard Group, Inc.	BUY	198.31	Ordinary	16,396	16,396
1-Aug-2018	The Vanguard Group, Inc.	SELL	199.50	Ordinary	-126	-126
2-Aug-2018	The Vanguard Group, Inc.	SELL	197.75	Ordinary	-4,430	-4,430
2-Aug-2018	The Vanguard Group, Inc.	BUY	196.63	Ordinary	407	407
2-Aug-2018	The Vanguard Group, Inc.	BUY	196.63	Ordinary	113	113
3-Aug-2018	The Vanguard Group, Inc.	BUY	198.50	Ordinary	9,265	9,265
3-Aug-2018	The Vanguard Group, Inc.	BUY	198.51	Ordinary	340	340
3-Aug-2018	The Vanguard Group, Inc.	SELL	198.51	Ordinary	-1,408	-1,408
6-Aug-2018	The Vanguard Group, Inc.	BUY	199.52	Ordinary	19	19
7-Aug-2018	The Vanguard Group, Inc.	BUY	200.46	Ordinary	14,761	14,761
8-Aug-2018	The Vanguard Group, Inc.	BUY	203.09	Ordinary	6,278	6,278
8-Aug-2018	The Vanguard Group, Inc.	SELL	203.09	Ordinary	-121	-121
8-Aug-2018	The Vanguard Group, Inc.	BUY	201.60	Ordinary	498	498
9-Aug-2018	The Vanguard Group, Inc.	SELL	200.82	Ordinary	-1,656	-1,656
9-Aug-2018	The Vanguard Group, Inc.	BUY	200.61	Ordinary	671	671

## 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
10-Aug-2018	The Vanguard Group, Inc.	SELL	202.55	Ordinary	-10,632	-10,632
10-Aug-2018	The Vanguard Group, Inc.	SELL	202.55	Ordinary	-1,656	-1,656
10-Aug-2018	The Vanguard Group, Inc.	SELL	202.55	Ordinary	-920	-920
10-Aug-2018	The Vanguard Group, Inc.	SELL	202.63	Ordinary	-9,619	-9,619
13-Aug-2018	The Vanguard Group, Inc.	BUY	202.30	Ordinary	341	341
13-Aug-2018	The Vanguard Group, Inc.	BUY	201.95	Ordinary	21	21
14-Aug-2018	The Vanguard Group, Inc.	BUY	201.77	Ordinary	15,268	15,268
14-Aug-2018	The Vanguard Group, Inc.	SELL	202.21	Ordinary	-3,312	-3,312
14-Aug-2018	The Vanguard Group, Inc.	SELL	201.69	Ordinary	-543	-543
15-Aug-2018	The Vanguard Group, Inc.	SELL	213.89	Ordinary	-5,316	-5,316
15-Aug-2018	The Vanguard Group, Inc.	BUY	206.01	Ordinary	16,838	16,838
15-Aug-2018	The Vanguard Group, Inc.	BUY	206.01	Ordinary	3,246	3,246
16-Aug-2018	The Vanguard Group, Inc.	BUY	211.01	Ordinary	10,348	10,348
16-Aug-2018	The Vanguard Group, Inc.	SELL	216.67	Ordinary	-9,507	-9,507
16-Aug-2018	The Vanguard Group, Inc.	BUY	211.01	Ordinary	31	31
17-Aug-2018	The Vanguard Group, Inc.	BUY	216.01	Ordinary	18,669	18,669
17-Aug-2018	The Vanguard Group, Inc.	BUY	215.90	Ordinary	819	819
17-Aug-2018	The Vanguard Group, Inc.	BUY	216.01	Ordinary	1,225	1,225
17-Aug-2018	The Vanguard Group, Inc.	BUY	216.01	Ordinary	382	382
20-Aug-2018	The Vanguard Group, Inc.	BUY	215.40	Ordinary	12,306	12,306
20-Aug-2018	The Vanguard Group, Inc.	SELL	213.69	Ordinary	-1,398	-1,398
21-Aug-2018	The Vanguard Group, Inc.	BUY	217.78	Ordinary	5,695	5,695
21-Aug-2018	The Vanguard Group, Inc.	BUY	219.19	Ordinary	736	736
21-Aug-2018	The Vanguard Group, Inc.	BUY	219.19	Ordinary	670	670
21-Aug-2018	The Vanguard Group, Inc.	BUY	219.05	Ordinary	406	406
22-Aug-2018	The Vanguard Group, Inc.	BUY	217.77	Ordinary	7,499	7,499
23-Aug-2018	The Vanguard Group, Inc.	BUY	217.00	Ordinary	627	627
24-Aug-2018	The Vanguard Group, Inc.	SELL	224.43	Ordinary	-10,551	-10,551
24-Aug-2018	The Vanguard Group, Inc.	BUY	224.62	Ordinary	1,287	1,287
24-Aug-2018	The Vanguard Group, Inc.	BUY	224.43	Ordinary	10,551	10,551
24-Aug-2018	The Vanguard Group, Inc.	BUY	224.43	Ordinary	3,332	3,332
27-Aug-2018	The Vanguard Group, Inc.	BUY	225.29	Ordinary	920	920
28-Aug-2018	The Vanguard Group, Inc.	BUY	224.78	Ordinary	173	173
29-Aug-2018	The Vanguard Group, Inc.	BUY	222.47	Ordinary	21	21
30-Aug-2018	The Vanguard Group, Inc.	BUY	224.35	Ordinary	4,808	4,808
31-Aug-2018	The Vanguard Group, Inc.	BUY	228.78	Ordinary	6,815	6,815
31-Aug-2018	The Vanguard Group, Inc.	BUY	227.64	Ordinary	95	95
31-Aug-2018	The Vanguard Group, Inc.	BUY	227.64	Ordinary	502	502
31-Aug-2018	The Vanguard Group, Inc.	SELL	227.63	Ordinary	-541	-541
5-Sep-2018	The Vanguard Group, Inc.	BUY	229.10	Ordinary	14,888	14,888
5-Sep-2018	The Vanguard Group, Inc.	SELL	229.08	Ordinary	-192	-192
5-Sep-2018	The Vanguard Group, Inc.	SELL	227.44	Ordinary	-342	-342
6-Sep-2018	The Vanguard Group, Inc.	BUY	225.79	Ordinary	14,460	14,460
6-Sep-2018	The Vanguard Group, Inc.	BUY	217.16	Ordinary	185	185
6-Sep-2018	The Vanguard Group, Inc.	BUY	225.79	Ordinary	25	25
7-Sep-2018	The Vanguard Group, Inc.	BUY	213.65	Ordinary	6,542	6,542
7-Sep-2018	The Vanguard Group, Inc.	BUY	210.90	Ordinary	6,461	6,461
7-Sep-2018	The Vanguard Group, Inc.	BUY	210.90	Ordinary	2,052	2,052
7-Sep-2018	The Vanguard Group, Inc.	BUY	210.90	Ordinary	1,840	1,840
7-Sep-2018	The Vanguard Group, Inc.	BUY	210.90	Ordinary	552	552
7-Sep-2018	The Vanguard Group, Inc.	BUY	210.65	Ordinary	100	100
10-Sep-2018	The Vanguard Group, Inc.	BUY	212.21	Ordinary	828	828
11-Sep-2018	The Vanguard Group, Inc.	BUY	211.09	Ordinary	6,774	6,774
12-Sep-2018	The Vanguard Group, Inc.	BUY	211.96	Ordinary	13,063	13,063
12-Sep-2018	The Vanguard Group, Inc.	BUY	211.29	Ordinary	3,078	3,078
12-Sep-2018	The Vanguard Group, Inc.	BUY	211.29	Ordinary	1,840	1,840
12-Sep-2018	The Vanguard Group, Inc.	SELL	211.87	Ordinary	-185	-185
12-Sep-2018	The Vanguard Group, Inc.	SELL	211.96	Ordinary	-29,163	-29,163
13-Sep-2018	The Vanguard Group, Inc.	BUY	206.34	Ordinary	186	186
14-Sep-2018	The Vanguard Group, Inc.	BUY	209.96	Ordinary	7,801	7,801
14-Sep-2018	The Vanguard Group, Inc.	BUY	209.96	Ordinary	24	24
17-Sep-2018	The Vanguard Group, Inc.	BUY	208.23	Ordinary	3,727	3,727
18-Sep-2018	The Vanguard Group, Inc.	BUY	205.29	Ordinary	400	400
20-Sep-2018	The Vanguard Group, Inc.	BUY	200.02	Ordinary	876	876
20-Sep-2018	The Vanguard Group, Inc.	BUY	206.88	Ordinary	327	327
21-Sep-2018	The Vanguard Group, Inc.	BUY	207.12	Ordinary	588	588
21-Sep-2018	The Vanguard Group, Inc.	SELL	207.12	Ordinary	-1,480	-1,480

## 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
21-Sep-2018	The Vanguard Group, Inc.	SELL	207.12	Ordinary	-14,074	-14,074
21-Sep-2018	The Vanguard Group, Inc.	SELL	207.12	Ordinary	-15,617	-15,617
21-Sep-2018	The Vanguard Group, Inc.	SELL	207.12	Ordinary	-4,805	-4,805
21-Sep-2018	The Vanguard Group, Inc.	SELL	207.12	Ordinary	-103	-103
21-Sep-2018	The Vanguard Group, Inc.	SELL	207.12	Ordinary	-116	-116
25-Sep-2018	The Vanguard Group, Inc.	BUY	204.91	Ordinary	11,572	11,572
25-Sep-2018	The Vanguard Group, Inc.	BUY	204.80	Ordinary	3,073	3,073
25-Sep-2018	The Vanguard Group, Inc.	BUY	204.80	Ordinary	29	29
26-Sep-2018	The Vanguard Group, Inc.	BUY	202.29	Ordinary	4,064	4,064
26-Sep-2018	The Vanguard Group, Inc.	BUY	202.29	Ordinary	5,080	5,080
26-Sep-2018	The Vanguard Group, Inc.	BUY	202.29	Ordinary	2,032	2,032
26-Sep-2018	The Vanguard Group, Inc.	SELL	202.99	Ordinary	-56	-56
26-Sep-2018	The Vanguard Group, Inc.	SELL	202.99	Ordinary	-106	-106
26-Sep-2018	The Vanguard Group, Inc.	BUY	202.99	Ordinary	130	130
27-Sep-2018	The Vanguard Group, Inc.	SELL	202.58	Ordinary	-1,826	-1,826
27-Sep-2018	The Vanguard Group, Inc.	BUY	202.02	Ordinary	333	333
27-Sep-2018	The Vanguard Group, Inc.	BUY	202.90	Ordinary	16	16
27-Sep-2018	The Vanguard Group, Inc.	BUY	202.90	Ordinary	920	920
28-Sep-2018	The Vanguard Group, Inc.	BUY	201.11	Ordinary	146	146
1-Oct-2018	The Vanguard Group, Inc.	BUY	202.90	Ordinary	3,048	3,048
2-Oct-2018	The Vanguard Group, Inc.	BUY	201.18	Ordinary	14,288	14,288
2-Oct-2018	The Vanguard Group, Inc.	BUY	199.57	Ordinary	8,128	8,128
2-Oct-2018	The Vanguard Group, Inc.	SELL	202.07	Ordinary	-174	-174
2-Oct-2018	The Vanguard Group, Inc.	SELL	202.07	Ordinary	-2,783	-2,783
3-Oct-2018	The Vanguard Group, Inc.	BUY	198.90	Ordinary	3,048	3,048
3-Oct-2018	The Vanguard Group, Inc.	BUY	198.90	Ordinary	1,944	1,944
3-Oct-2018	The Vanguard Group, Inc.	BUY	199.28	Ordinary	356	356
4-Oct-2018	The Vanguard Group, Inc.	BUY	199.15	Ordinary	10,201	10,201
5-Oct-2018	The Vanguard Group, Inc.	BUY	199.67	Ordinary	4,563	4,563
8-Oct-2018	The Vanguard Group, Inc.	BUY	199.60	Ordinary	4,412	4,412
8-Oct-2018	The Vanguard Group, Inc.	BUY	196.72	Ordinary	1,328	1,328
8-Oct-2018	The Vanguard Group, Inc.	BUY	199.60	Ordinary	799	799
9-Oct-2018	The Vanguard Group, Inc.	BUY	196.09	Ordinary	6,910	6,910
9-Oct-2018	The Vanguard Group, Inc.	BUY	188.00	Ordinary	5,508	5,508
11-Oct-2018	The Vanguard Group, Inc.	BUY	183.70	Ordinary	2,646	2,646
11-Oct-2018	The Vanguard Group, Inc.	BUY	185.50	Ordinary	302	302
12-Oct-2018	The Vanguard Group, Inc.	BUY	188.89	Ordinary	85	85
12-Oct-2018	The Vanguard Group, Inc.	BUY	184.63	Ordinary	10,851	10,851
12-Oct-2018	The Vanguard Group, Inc.	BUY	183.99	Ordinary	60	60
15-Oct-2018	The Vanguard Group, Inc.	BUY	188.31	Ordinary	4,410	4,410
15-Oct-2018	The Vanguard Group, Inc.	BUY	188.92	Ordinary	80	80
16-Oct-2018	The Vanguard Group, Inc.	BUY	188.26	Ordinary	15,888	15,888
16-Oct-2018	The Vanguard Group, Inc.	SELL	189.56	Ordinary	-185	-185
16-Oct-2018	The Vanguard Group, Inc.	BUY	188.26	Ordinary	1,591	1,591
17-Oct-2018	The Vanguard Group, Inc.	BUY	194.86	Ordinary	6,060	6,060
18-Oct-2018	The Vanguard Group, Inc.	BUY	191.42	Ordinary	7,985	7,985
18-Oct-2018	The Vanguard Group, Inc.	BUY	191.42	Ordinary	3,776	3,776
19-Oct-2018	The Vanguard Group, Inc.	BUY	187.17	Ordinary	2,646	2,646
19-Oct-2018	The Vanguard Group, Inc.	BUY	187.17	Ordinary	3,048	3,048
22-Oct-2018	The Vanguard Group, Inc.	BUY	184.73	Ordinary	57	57
23-Oct-2018	The Vanguard Group, Inc.	BUY	181.31	Ordinary	13,026	13,026
23-Oct-2018	The Vanguard Group, Inc.	BUY	181.15	Ordinary	2,825	2,825
24-Oct-2018	The Vanguard Group, Inc.	SELL	178.00	Ordinary	-1,162	-1,162
24-Oct-2018	The Vanguard Group, Inc.	BUY	182.10	Ordinary	43	43
25-Oct-2018	The Vanguard Group, Inc.	BUY	178.47	Ordinary	17,608	17,608
25-Oct-2018	The Vanguard Group, Inc.	BUY	178.47	Ordinary	3,822	3,822
25-Oct-2018	The Vanguard Group, Inc.	BUY	177.79	Ordinary	2,540	2,540
26-Oct-2018	The Vanguard Group, Inc.	BUY	176.84	Ordinary	991	991
26-Oct-2018	The Vanguard Group, Inc.	BUY	176.90	Ordinary	13,094	13,094
26-Oct-2018	The Vanguard Group, Inc.	BUY	176.84	Ordinary	14,922	14,922
26-Oct-2018	The Vanguard Group, Inc.	BUY	176.90	Ordinary	6,022	6,022
26-Oct-2018	The Vanguard Group, Inc.	BUY	176.90	Ordinary	3,251	3,251
26-Oct-2018	The Vanguard Group, Inc.	BUY	176.84	Ordinary	289	289
26-Oct-2018	The Vanguard Group, Inc.	BUY	176.90	Ordinary	809	809
26-Oct-2018	The Vanguard Group, Inc.	BUY	176.84	Ordinary	908	908
26-Oct-2018	The Vanguard Group, Inc.	BUY	176.84	Ordinary	49	49
26-Oct-2018	The Vanguard Group, Inc.	BUY	176.90	Ordinary	461	461

## 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
26-Oct-2018	The Vanguard Group, Inc.	BUY	176.90	Ordinary	1,136	1,136
30-Oct-2018	The Vanguard Group, Inc.	BUY	182.82	Ordinary	21	21
30-Oct-2018	The Vanguard Group, Inc.	BUY	187.44	Ordinary	7,238	7,238
31-Oct-2018	The Vanguard Group, Inc.	BUY	185.73	Ordinary	10,272	10,272
31-Oct-2018	The Vanguard Group, Inc.	BUY	185.73	Ordinary	3,918	3,918
31-Oct-2018	The Vanguard Group, Inc.	BUY	188.52	Ordinary	3,556	3,556
31-Oct-2018	The Vanguard Group, Inc.	BUY	188.52	Ordinary	2,712	2,712
31-Oct-2018	The Vanguard Group, Inc.	BUY	188.00	Ordinary	115	115
3-Jul-2018	Vanguard Investments Australia Ltd.	BUY	197.83	Ordinary	14,868	14,868
5-Jul-2018	Vanguard Investments Australia Ltd.	BUY	197.95	Ordinary	8,141	8,141
5-Jul-2018	Vanguard Investments Australia Ltd.	SELL	198.09	Ordinary	-482	-482
5-Jul-2018	Vanguard Investments Australia Ltd.	BUY	197.95	Ordinary	618	618
6-Jul-2018	Vanguard Investments Australia Ltd.	BUY	196.76	Ordinary	1,057	1,057
6-Jul-2018	Vanguard Investments Australia Ltd.	BUY	196.76	Ordinary	6,920	6,920
6-Jul-2018	Vanguard Investments Australia Ltd.	BUY	196.76	Ordinary	3,518	3,518
6-Jul-2018	Vanguard Investments Australia Ltd.	BUY	196.76	Ordinary	7,159	7,159
6-Jul-2018	Vanguard Investments Australia Ltd.	BUY	198.22	Ordinary	3,843	3,843
9-Jul-2018	Vanguard Investments Australia Ltd.	SELL	197.30	Ordinary	-3,150	-3,150
10-Jul-2018	Vanguard Investments Australia Ltd.	BUY	195.86	Ordinary	544	544
16-Jul-2018	Vanguard Investments Australia Ltd.	BUY	198.64	Ordinary	2,562	2,562
16-Jul-2018	Vanguard Investments Australia Ltd.	BUY	198.64	Ordinary	6,129	6,129
17-Jul-2018	Vanguard Investments Australia Ltd.	BUY	197.12	Ordinary	4,967	4,967
18-Jul-2018	Vanguard Investments Australia Ltd.	BUY	197.89	Ordinary	173	173
18-Jul-2018	Vanguard Investments Australia Ltd.	BUY	197.89	Ordinary	868	868
18-Jul-2018	Vanguard Investments Australia Ltd.	BUY	197.89	Ordinary	174	174
18-Jul-2018	Vanguard Investments Australia Ltd.	SELL	199.61	Ordinary	-4,297	-4,297
19-Jul-2018	Vanguard Investments Australia Ltd.	BUY	200.83	Ordinary	6,225	6,225
20-Jul-2018	Vanguard Investments Australia Ltd.	BUY	203.20	Ordinary	4,675	4,675
27-Jul-2018	Vanguard Investments Australia Ltd.	BUY	199.96	Ordinary	8,542	8,542
2-Aug-2018	Vanguard Investments Australia Ltd.	BUY	196.63	Ordinary	3,816	3,816
3-Aug-2018	Vanguard Investments Australia Ltd.	SELL	198.51	Ordinary	-2,343	-2,343
3-Aug-2018	Vanguard Investments Australia Ltd.	BUY	198.51	Ordinary	4,774	4,774
7-Aug-2018	Vanguard Investments Australia Ltd.	BUY	201.57	Ordinary	7,704	7,704
9-Aug-2018	Vanguard Investments Australia Ltd.	BUY	200.61	Ordinary	52	52
15-Aug-2018	Vanguard Investments Australia Ltd.	BUY	214.58	Ordinary	136	136
15-Aug-2018	Vanguard Investments Australia Ltd.	BUY	214.58	Ordinary	2,556	2,556
15-Aug-2018	Vanguard Investments Australia Ltd.	BUY	214.58	Ordinary	7,124	7,124
16-Aug-2018	Vanguard Investments Australia Ltd.	SELL	216.67	Ordinary	-1,058	-1,058
21-Aug-2018	Vanguard Investments Australia Ltd.	SELL	219.05	Ordinary	-169	-169
21-Aug-2018	Vanguard Investments Australia Ltd.	BUY	219.05	Ordinary	4,270	4,270
27-Aug-2018	Vanguard Investments Australia Ltd.	BUY	224.80	Ordinary	4,923	4,923
28-Aug-2018	Vanguard Investments Australia Ltd.	BUY	224.78	Ordinary	8,130	8,130
31-Aug-2018	Vanguard Investments Australia Ltd.	BUY	227.64	Ordinary	75	75
31-Aug-2018	Vanguard Investments Australia Ltd.	BUY	227.64	Ordinary	221	221
31-Aug-2018	Vanguard Investments Australia Ltd.	BUY	227.64	Ordinary	111	111
3-Sep-2018	Vanguard Investments Australia Ltd.	BUY	229.66	Ordinary	370	370
3-Sep-2018	Vanguard Investments Australia Ltd.	BUY	229.66	Ordinary	1,682	1,682
3-Sep-2018	Vanguard Investments Australia Ltd.	BUY	229.66	Ordinary	368	368
3-Sep-2018	Vanguard Investments Australia Ltd.	SELL	229.43	Ordinary	-142	-142
4-Sep-2018	Vanguard Investments Australia Ltd.	BUY	230.28	Ordinary	4,697	4,697
4-Sep-2018	Vanguard Investments Australia Ltd.	BUY	230.28	Ordinary	5,659	5,659
6-Sep-2018	Vanguard Investments Australia Ltd.	BUY	217.16	Ordinary	8,500	8,500
7-Sep-2018	Vanguard Investments Australia Ltd.	BUY	210.65	Ordinary	6,660	6,660
10-Sep-2018	Vanguard Investments Australia Ltd.	SELL	212.21	Ordinary	-212	-212
10-Sep-2018	Vanguard Investments Australia Ltd.	SELL	212.21	Ordinary	-2,467	-2,467
10-Sep-2018	Vanguard Investments Australia Ltd.	BUY	212.21	Ordinary	4,270	4,270
11-Sep-2018	Vanguard Investments Australia Ltd.	SELL	210.63	Ordinary	-4,572	-4,572
17-Sep-2018	Vanguard Investments Australia Ltd.	BUY	208.23	Ordinary	4,708	4,708
21-Sep-2018	Vanguard Investments Australia Ltd.	BUY	207.12	Ordinary	6,547	6,547
21-Sep-2018	Vanguard Investments Australia Ltd.	BUY	207.12	Ordinary	1,089	1,089
21-Sep-2018	Vanguard Investments Australia Ltd.	BUY	207.12	Ordinary	6,739	6,739
21-Sep-2018	Vanguard Investments Australia Ltd.	BUY	207.12	Ordinary	375	375
21-Sep-2018	Vanguard Investments Australia Ltd.	BUY	207.12	Ordinary	2,627	2,627
21-Sep-2018	Vanguard Investments Australia Ltd.	BUY	207.12	Ordinary	1,994	1,994
21-Sep-2018	Vanguard Investments Australia Ltd.	BUY	207.12	Ordinary	14,473	14,473
26-Sep-2018	Vanguard Investments Australia Ltd.	BUY	202.99	Ordinary	2,586	2,586
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	202.25	Ordinary	777	777

## 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
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	202.25	Ordinary	7,513	7,513
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	202.25	Ordinary	1,254	1,254
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	202.25	Ordinary	808	808
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	202.25	Ordinary	1,712	1,712
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	202.25	Ordinary	8,876	8,876
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	202.25	Ordinary	524	524
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	202.25	Ordinary	3,558	3,558
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	202.25	Ordinary	8,196	8,196
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	202.02	Ordinary	33,187	33,187
28-Sep-2018	Vanguard Investments Australia Ltd.	SELL	201.11	Ordinary	-498	-498
1-Oct-2018	Vanguard Investments Australia Ltd.	BUY	203.31	Ordinary	3,816	3,816
3-Oct-2018	Vanguard Investments Australia Ltd.	BUY	198.52	Ordinary	4,253	4,253
8-Oct-2018	Vanguard Investments Australia Ltd.	BUY	197.12	Ordinary	3,834	3,834
10-Oct-2018	Vanguard Investments Australia Ltd.	BUY	191.80	Ordinary	299	299
10-Oct-2018	Vanguard Investments Australia Ltd.	SELL	191.80	Ordinary	-3,078	-3,078
11-Oct-2018	Vanguard Investments Australia Ltd.	BUY	185.50	Ordinary	5,100	5,100
12-Oct-2018	Vanguard Investments Australia Ltd.	BUY	188.89	Ordinary	7,365	7,365
16-Oct-2018	Vanguard Investments Australia Ltd.	SELL	188.36	Ordinary	-2,089	-2,089
17-Oct-2018	Vanguard Investments Australia Ltd.	BUY	193.00	Ordinary	7,242	7,242
17-Oct-2018	Vanguard Investments Australia Ltd.	BUY	193.00	Ordinary	9,641	9,641
22-Oct-2018	Vanguard Investments Australia Ltd.	SELL	184.73	Ordinary	-1,161	-1,161
23-Oct-2018	Vanguard Investments Australia Ltd.	SELL	181.17	Ordinary	-193	-193
23-Oct-2018	Vanguard Investments Australia Ltd.	SELL	181.17	Ordinary	-191	-191
24-Oct-2018	Vanguard Investments Australia Ltd.	BUY	182.10	Ordinary	5,088	5,088
25-Oct-2018	Vanguard Investments Australia Ltd.	BUY	174.69	Ordinary	9,489	9,489
25-Oct-2018	Vanguard Investments Australia Ltd.	SELL	174.69	Ordinary	-3,137	-3,137
25-Oct-2018	Vanguard Investments Australia Ltd.	BUY	174.69	Ordinary	5,936	5,936
26-Oct-2018	Vanguard Investments Australia Ltd.	BUY	176.52	Ordinary	13,674	13,674
29-Oct-2018	Vanguard Investments Australia Ltd.	BUY	183.40	Ordinary	7,190	7,190
31-Oct-2018	Vanguard Investments Australia Ltd.	BUY	188.00	Ordinary	6,752	6,752
31-Oct-2018	Vanguard Investments Australia Ltd.	BUY	188.00	Ordinary	1,266	1,266

This is Annexure A of 5 pages referred to in Form 603, Notice of initial substantial holder.

Signature

Date

2-Nov-2018