

Form 603
Corporations Act 2001
Section 671B

Notice of initial substantial holder

To Company Name/Scheme ASX Limited

ACN/ARSN 008 624 691

1. Details of substantial holder (1)

Name Vanguard Group (The Vanguard Group, Inc. and its controlled entities including those listed in Annexure A)

ACN/ARSN (if applicable) N/A

The holder became a substantial holder on 14 April 2023

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	9,733,048	9,733,048	5.028%
Note: Vanguard Group also holds 90 shares of ASX Limited ADR			

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 Group	Vanguard Group is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares. The other members of Vanguard Group have a relevant interest under section 608(3) of the Corporations Act.	Ordinary – 9,733,048

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 Group	Brown Brothers Harriman	Various funds and accounts of Vanguard Group	Ordinary – 618,688
Vanguard Group	BNY Mellon	Various funds and accounts of Vanguard Group	Ordinary – 723,285
Vanguard Group	JP Morgan Chase Bank, N.A.	Various funds and accounts of Vanguard Group	Ordinary – 6,669,311
Vanguard Group	State Street Bank and Trust Company	Various funds and accounts of Vanguard Group	Ordinary – 1,721,764

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			

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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
Vanguard Group	P.O. Box 2600, V26 Valley Forge, PA 19482 USA

print name Shawn Acker capacity Compliance Manager

sign here  date 19 April 2023

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	ASX Limited
ACN/ARSN	008 624 691
Substantial Holder Name	Vanguard Group
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
16-Dec-2022	The Vanguard Group, Inc.	BUY	68.34	Ordinary	6,898	6,898
16-Dec-2022	The Vanguard Group, Inc.	BUY	68.27	Ordinary	1,123	1,123
16-Dec-2022	The Vanguard Group, Inc.	SELL	68.27	Ordinary	(436)	(436)
16-Dec-2022	The Vanguard Group, Inc.	BUY	68.27	Ordinary	244	244
16-Dec-2022	The Vanguard Group, Inc.	BUY	68.27	Ordinary	93	93
16-Dec-2022	The Vanguard Group, Inc.	BUY	68.27	Ordinary	153	153
16-Dec-2022	The Vanguard Group, Inc.	BUY	68.34	Ordinary	936	936
19-Dec-2022	The Vanguard Group, Inc.	BUY	67.01	Ordinary	330	330
20-Dec-2022	The Vanguard Group, Inc.	BUY	67.20	Ordinary	330	330
20-Dec-2022	The Vanguard Group, Inc.	BUY	67.20	Ordinary	220	220
20-Dec-2022	The Vanguard Group, Inc.	BUY	67.09	Ordinary	729	729
21-Dec-2022	The Vanguard Group, Inc.	BUY	66.72	Ordinary	242	242
21-Dec-2022	The Vanguard Group, Inc.	BUY	66.72	Ordinary	182	182
21-Dec-2022	The Vanguard Group, Inc.	SELL	66.72	Ordinary	(52)	(52)
21-Dec-2022	The Vanguard Group, Inc.	BUY	66.72	Ordinary	3,172	3,172
23-Dec-2022	The Vanguard Group, Inc.	BUY	67.69	Ordinary	330	330
23-Dec-2022	The Vanguard Group, Inc.	BUY	67.61	Ordinary	118	118
23-Dec-2022	The Vanguard Group, Inc.	BUY	67.61	Ordinary	22	22
28-Dec-2022	The Vanguard Group, Inc.	BUY	67.63	Ordinary	2,676	2,676
28-Dec-2022	The Vanguard Group, Inc.	BUY	67.63	Ordinary	550	550
28-Dec-2022	The Vanguard Group, Inc.	BUY	67.93	Ordinary	539	539
29-Dec-2022	The Vanguard Group, Inc.	BUY	68.21	Ordinary	1,338	1,338
29-Dec-2022	The Vanguard Group, Inc.	BUY	67.81	Ordinary	256	256
29-Dec-2022	The Vanguard Group, Inc.	BUY	67.81	Ordinary	341	341
3-Jan-2023	The Vanguard Group, Inc.	SELL	67.16	Ordinary	(979)	(979)
4-Jan-2023	The Vanguard Group, Inc.	BUY	68.02	Ordinary	704	704
4-Jan-2023	The Vanguard Group, Inc.	SELL	68.00	Ordinary	(2,152)	(2,152)
4-Jan-2023	The Vanguard Group, Inc.	SELL	67.68	Ordinary	(3,282)	(3,282)
4-Jan-2023	The Vanguard Group, Inc.	BUY	67.87	Ordinary	133	133
4-Jan-2023	The Vanguard Group, Inc.	BUY	67.87	Ordinary	266	266
4-Jan-2023	The Vanguard Group, Inc.	BUY	68.00	Ordinary	2,152	2,152
5-Jan-2023	The Vanguard Group, Inc.	BUY	67.67	Ordinary	220	220
5-Jan-2023	The Vanguard Group, Inc.	BUY	67.67	Ordinary	220	220
5-Jan-2023	The Vanguard Group, Inc.	BUY	68.00	Ordinary	674	674
5-Jan-2023	The Vanguard Group, Inc.	BUY	67.73	Ordinary	915	915
6-Jan-2023	The Vanguard Group, Inc.	BUY	67.02	Ordinary	1,338	1,338
6-Jan-2023	The Vanguard Group, Inc.	BUY	67.02	Ordinary	528	528
6-Jan-2023	The Vanguard Group, Inc.	SELL	66.53	Ordinary	(6,459)	(6,459)
6-Jan-2023	The Vanguard Group, Inc.	BUY	67.02	Ordinary	330	330
6-Jan-2023	The Vanguard Group, Inc.	BUY	66.63	Ordinary	278	278
9-Jan-2023	The Vanguard Group, Inc.	BUY	66.34	Ordinary	389	389
10-Jan-2023	The Vanguard Group, Inc.	BUY	66.28	Ordinary	131	131
10-Jan-2023	The Vanguard Group, Inc.	BUY	66.28	Ordinary	182	182
11-Jan-2023	The Vanguard Group, Inc.	SELL	65.93	Ordinary	(5,452)	(5,452)
11-Jan-2023	The Vanguard Group, Inc.	BUY	66.20	Ordinary	390	390
11-Jan-2023	The Vanguard Group, Inc.	BUY	66.20	Ordinary	273	273
11-Jan-2023	The Vanguard Group, Inc.	SELL	66.20	Ordinary	(43)	(43)
11-Jan-2023	The Vanguard Group, Inc.	SELL	66.20	Ordinary	(1,005)	(1,005)
12-Jan-2023	The Vanguard Group, Inc.	BUY	67.76	Ordinary	6,253	6,253
12-Jan-2023	The Vanguard Group, Inc.	BUY	68.15	Ordinary	220	220
12-Jan-2023	The Vanguard Group, Inc.	BUY	68.15	Ordinary	220	220
13-Jan-2023	The Vanguard Group, Inc.	BUY	67.95	Ordinary	220	220
13-Jan-2023	The Vanguard Group, Inc.	BUY	67.72	Ordinary	127	127
16-Jan-2023	The Vanguard Group, Inc.	BUY	68.51	Ordinary	12	12
17-Jan-2023	The Vanguard Group, Inc.	BUY	69.27	Ordinary	1,100	1,100
17-Jan-2023	The Vanguard Group, Inc.	BUY	69.22	Ordinary	123	123
18-Jan-2023	The Vanguard Group, Inc.	SELL	69.15	Ordinary	(12,788)	(12,788)
18-Jan-2023	The Vanguard Group, Inc.	BUY	69.06	Ordinary	17	17
18-Jan-2023	The Vanguard Group, Inc.	SELL	69.06	Ordinary	(82)	(82)
19-Jan-2023	The Vanguard Group, Inc.	BUY	69.29	Ordinary	254	254
19-Jan-2023	The Vanguard Group, Inc.	BUY	69.29	Ordinary	682	682
19-Jan-2023	The Vanguard Group, Inc.	BUY	69.29	Ordinary	182	182

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-Jan-2023	The Vanguard Group, Inc.	BUY	69.03	Ordinary	1,115	1,115
20-Jan-2023	The Vanguard Group, Inc.	SELL	68.86	Ordinary	(4,931)	(4,931)
20-Jan-2023	The Vanguard Group, Inc.	SELL	68.86	Ordinary	(6,995)	(6,995)
24-Jan-2023	The Vanguard Group, Inc.	BUY	68.99	Ordinary	330	330
24-Jan-2023	The Vanguard Group, Inc.	BUY	69.05	Ordinary	182	182
24-Jan-2023	The Vanguard Group, Inc.	BUY	69.05	Ordinary	273	273
27-Jan-2023	The Vanguard Group, Inc.	BUY	68.85	Ordinary	682	682
27-Jan-2023	The Vanguard Group, Inc.	SELL	68.87	Ordinary	(4,774)	(4,774)
30-Jan-2023	The Vanguard Group, Inc.	BUY	69.28	Ordinary	4,560	4,560
31-Jan-2023	The Vanguard Group, Inc.	BUY	68.97	Ordinary	21	21
31-Jan-2023	The Vanguard Group, Inc.	BUY	68.97	Ordinary	43	43
1-Feb-2023	The Vanguard Group, Inc.	BUY	68.60	Ordinary	141	141
1-Feb-2023	The Vanguard Group, Inc.	BUY	68.60	Ordinary	1,665	1,665
1-Feb-2023	The Vanguard Group, Inc.	BUY	68.88	Ordinary	816	816
2-Feb-2023	The Vanguard Group, Inc.	BUY	69.00	Ordinary	2,555	2,555
3-Feb-2023	The Vanguard Group, Inc.	SELL	70.86	Ordinary	(804)	(804)
3-Feb-2023	The Vanguard Group, Inc.	SELL	70.86	Ordinary	(402)	(402)
3-Feb-2023	The Vanguard Group, Inc.	SELL	70.86	Ordinary	(519)	(519)
3-Feb-2023	The Vanguard Group, Inc.	SELL	70.86	Ordinary	(470)	(470)
3-Feb-2023	The Vanguard Group, Inc.	SELL	70.18	Ordinary	(7,586)	(7,586)
3-Feb-2023	The Vanguard Group, Inc.	BUY	70.86	Ordinary	110	110
3-Feb-2023	The Vanguard Group, Inc.	BUY	70.72	Ordinary	141	141
3-Feb-2023	The Vanguard Group, Inc.	BUY	70.72	Ordinary	324	324
3-Feb-2023	The Vanguard Group, Inc.	BUY	70.72	Ordinary	3,949	3,949
3-Feb-2023	The Vanguard Group, Inc.	BUY	70.72	Ordinary	184	184
6-Feb-2023	The Vanguard Group, Inc.	BUY	71.11	Ordinary	1,850	1,850
7-Feb-2023	The Vanguard Group, Inc.	BUY	70.57	Ordinary	141	141
7-Feb-2023	The Vanguard Group, Inc.	BUY	70.57	Ordinary	1,480	1,480
7-Feb-2023	The Vanguard Group, Inc.	BUY	70.57	Ordinary	860	860
7-Feb-2023	The Vanguard Group, Inc.	SELL	70.57	Ordinary	(210)	(210)
8-Feb-2023	The Vanguard Group, Inc.	BUY	70.38	Ordinary	129	129
8-Feb-2023	The Vanguard Group, Inc.	BUY	70.38	Ordinary	10	10
9-Feb-2023	The Vanguard Group, Inc.	BUY	70.23	Ordinary	1,338	1,338
9-Feb-2023	The Vanguard Group, Inc.	BUY	70.23	Ordinary	1,045	1,045
9-Feb-2023	The Vanguard Group, Inc.	BUY	70.23	Ordinary	110	110
10-Feb-2023	The Vanguard Group, Inc.	BUY	70.06	Ordinary	132	132
13-Feb-2023	The Vanguard Group, Inc.	BUY	69.90	Ordinary	220	220
13-Feb-2023	The Vanguard Group, Inc.	BUY	69.90	Ordinary	330	330
15-Feb-2023	The Vanguard Group, Inc.	BUY	70.28	Ordinary	1,338	1,338
15-Feb-2023	The Vanguard Group, Inc.	BUY	70.28	Ordinary	165	165
15-Feb-2023	The Vanguard Group, Inc.	BUY	70.28	Ordinary	220	220
15-Feb-2023	The Vanguard Group, Inc.	BUY	70.02	Ordinary	215	215
16-Feb-2023	The Vanguard Group, Inc.	BUY	70.25	Ordinary	473	473
16-Feb-2023	The Vanguard Group, Inc.	BUY	70.25	Ordinary	19	19
16-Feb-2023	The Vanguard Group, Inc.	BUY	70.25	Ordinary	47	47
17-Feb-2023	The Vanguard Group, Inc.	BUY	67.98	Ordinary	440	440
17-Feb-2023	The Vanguard Group, Inc.	BUY	67.98	Ordinary	220	220
17-Feb-2023	The Vanguard Group, Inc.	BUY	67.97	Ordinary	308	308
17-Feb-2023	The Vanguard Group, Inc.	BUY	67.97	Ordinary	614	614
20-Feb-2023	The Vanguard Group, Inc.	BUY	68.55	Ordinary	767	767
20-Feb-2023	The Vanguard Group, Inc.	BUY	68.48	Ordinary	162	162
21-Feb-2023	The Vanguard Group, Inc.	BUY	68.45	Ordinary	1,338	1,338
21-Feb-2023	The Vanguard Group, Inc.	BUY	68.45	Ordinary	440	440
21-Feb-2023	The Vanguard Group, Inc.	BUY	68.83	Ordinary	294	294
21-Feb-2023	The Vanguard Group, Inc.	BUY	68.83	Ordinary	294	294
22-Feb-2023	The Vanguard Group, Inc.	BUY	68.27	Ordinary	330	330
22-Feb-2023	The Vanguard Group, Inc.	BUY	68.37	Ordinary	172	172
23-Feb-2023	The Vanguard Group, Inc.	BUY	67.67	Ordinary	531	531
23-Feb-2023	The Vanguard Group, Inc.	BUY	67.63	Ordinary	185	185
24-Feb-2023	The Vanguard Group, Inc.	BUY	67.81	Ordinary	132	132
24-Feb-2023	The Vanguard Group, Inc.	BUY	67.81	Ordinary	96	96
27-Feb-2023	The Vanguard Group, Inc.	BUY	67.97	Ordinary	1,338	1,338
27-Feb-2023	The Vanguard Group, Inc.	BUY	67.97	Ordinary	525	525
28-Feb-2023	The Vanguard Group, Inc.	SELL	68.04	Ordinary	(5,683)	(5,683)
28-Feb-2023	The Vanguard Group, Inc.	BUY	68.04	Ordinary	38	38
1-Mar-2023	The Vanguard Group, Inc.	BUY	67.51	Ordinary	1,115	1,115
1-Mar-2023	The Vanguard Group, Inc.	BUY	67.51	Ordinary	2,230	2,230
1-Mar-2023	The Vanguard Group, Inc.	BUY	67.51	Ordinary	1,400	1,400
1-Mar-2023	The Vanguard Group, Inc.	BUY	67.72	Ordinary	7,826	7,826

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
1-Mar-2023	The Vanguard Group, Inc.	BUY	67.51	Ordinary	330	330
1-Mar-2023	The Vanguard Group, Inc.	BUY	67.56	Ordinary	132	132
2-Mar-2023	The Vanguard Group, Inc.	BUY	66.63	Ordinary	324	324
2-Mar-2023	The Vanguard Group, Inc.	BUY	66.63	Ordinary	3,726	3,726
2-Mar-2023	The Vanguard Group, Inc.	BUY	66.63	Ordinary	1,782	1,782
2-Mar-2023	The Vanguard Group, Inc.	BUY	66.63	Ordinary	1,295	1,295
3-Mar-2023	The Vanguard Group, Inc.	BUY	67.31	Ordinary	440	440
3-Mar-2023	The Vanguard Group, Inc.	BUY	66.87	Ordinary	694	694
3-Mar-2023	The Vanguard Group, Inc.	BUY	66.87	Ordinary	18	18
3-Mar-2023	The Vanguard Group, Inc.	BUY	66.87	Ordinary	68	68
6-Mar-2023	The Vanguard Group, Inc.	BUY	67.47	Ordinary	162	162
7-Mar-2023	The Vanguard Group, Inc.	BUY	68.04	Ordinary	132	132
7-Mar-2023	The Vanguard Group, Inc.	BUY	68.04	Ordinary	714	714
8-Mar-2023	The Vanguard Group, Inc.	BUY	67.47	Ordinary	892	892
9-Mar-2023	The Vanguard Group, Inc.	BUY	67.11	Ordinary	4,608	4,608
10-Mar-2023	The Vanguard Group, Inc.	SELL	67.13	Ordinary	(2,800)	(2,800)
10-Mar-2023	The Vanguard Group, Inc.	BUY	67.13	Ordinary	220	220
13-Mar-2023	The Vanguard Group, Inc.	SELL	65.49	Ordinary	(1,050)	(1,050)
13-Mar-2023	The Vanguard Group, Inc.	BUY	66.20	Ordinary	308	308
13-Mar-2023	The Vanguard Group, Inc.	BUY	66.20	Ordinary	168	168
14-Mar-2023	The Vanguard Group, Inc.	BUY	66.48	Ordinary	308	308
15-Mar-2023	The Vanguard Group, Inc.	SELL	66.05	Ordinary	(402)	(402)
15-Mar-2023	The Vanguard Group, Inc.	SELL	66.05	Ordinary	(700)	(700)
15-Mar-2023	The Vanguard Group, Inc.	SELL	66.05	Ordinary	(525)	(525)
15-Mar-2023	The Vanguard Group, Inc.	BUY	66.55	Ordinary	96	96
16-Mar-2023	The Vanguard Group, Inc.	BUY	66.07	Ordinary	352	352
17-Mar-2023	The Vanguard Group, Inc.	BUY	67.11	Ordinary	2,164	2,164
17-Mar-2023	The Vanguard Group, Inc.	BUY	67.11	Ordinary	11	11
20-Mar-2023	The Vanguard Group, Inc.	BUY	66.58	Ordinary	147	147
20-Mar-2023	The Vanguard Group, Inc.	BUY	66.84	Ordinary	23	23
20-Mar-2023	The Vanguard Group, Inc.	BUY	66.58	Ordinary	50	50
22-Mar-2023	The Vanguard Group, Inc.	BUY	65.85	Ordinary	450	450
22-Mar-2023	The Vanguard Group, Inc.	SELL	65.85	Ordinary	(98)	(98)
22-Mar-2023	The Vanguard Group, Inc.	SELL	66.39	Ordinary	(1,035)	(1,035)
24-Mar-2023	The Vanguard Group, Inc.	BUY	65.30	Ordinary	6,815	6,815
24-Mar-2023	The Vanguard Group, Inc.	BUY	65.40	Ordinary	45	45
27-Mar-2023	The Vanguard Group, Inc.	SELL	65.57	Ordinary	(2,261)	(2,261)
27-Mar-2023	The Vanguard Group, Inc.	BUY	65.62	Ordinary	153	153
27-Mar-2023	The Vanguard Group, Inc.	BUY	65.62	Ordinary	218	218
28-Mar-2023	The Vanguard Group, Inc.	BUY	64.61	Ordinary	48	48
29-Mar-2023	The Vanguard Group, Inc.	SELL	65.08	Ordinary	(1,750)	(1,750)
29-Mar-2023	The Vanguard Group, Inc.	BUY	64.80	Ordinary	18	18
29-Mar-2023	The Vanguard Group, Inc.	BUY	64.41	Ordinary	336	336
30-Mar-2023	The Vanguard Group, Inc.	BUY	65.02	Ordinary	39	39
31-Mar-2023	The Vanguard Group, Inc.	SELL	65.33	Ordinary	(872)	(872)
31-Mar-2023	The Vanguard Group, Inc.	BUY	65.02	Ordinary	205	205
4-Apr-2023	The Vanguard Group, Inc.	BUY	66.99	Ordinary	102	102
4-Apr-2023	The Vanguard Group, Inc.	BUY	67.10	Ordinary	51	51
5-Apr-2023	The Vanguard Group, Inc.	BUY	67.74	Ordinary	700	700
5-Apr-2023	The Vanguard Group, Inc.	BUY	67.74	Ordinary	752	752
6-Apr-2023	The Vanguard Group, Inc.	BUY	69.94	Ordinary	65	65
11-Apr-2023	The Vanguard Group, Inc.	BUY	70.29	Ordinary	6,433	6,433
11-Apr-2023	The Vanguard Group, Inc.	BUY	69.95	Ordinary	327	327
12-Apr-2023	The Vanguard Group, Inc.	BUY	70.38	Ordinary	5,249	5,249
12-Apr-2023	The Vanguard Group, Inc.	BUY	70.06	Ordinary	1,095	1,095
12-Apr-2023	The Vanguard Group, Inc.	BUY	70.06	Ordinary	658	658
12-Apr-2023	The Vanguard Group, Inc.	BUY	70.15	Ordinary	49	49
12-Apr-2023	The Vanguard Group, Inc.	BUY	70.15	Ordinary	49	49
13-Apr-2023	The Vanguard Group, Inc.	BUY	70.07	Ordinary	564	564
13-Apr-2023	The Vanguard Group, Inc.	BUY	69.88	Ordinary	280	280
13-Apr-2023	The Vanguard Group, Inc.	BUY	69.88	Ordinary	48	48
14-Apr-2023	The Vanguard Group, Inc.	BUY	70.40	Ordinary	50,593	50,593
14-Apr-2023	The Vanguard Group, Inc.	BUY	70.37	Ordinary	6,738	6,738
14-Apr-2023	The Vanguard Group, Inc.	BUY	70.41	Ordinary	10,029	10,029
14-Apr-2023	The Vanguard Group, Inc.	SELL	70.46	Ordinary	(350)	(350)
14-Apr-2023	The Vanguard Group, Inc.	BUY	70.41	Ordinary	8,637	8,637
14-Apr-2023	The Vanguard Group, Inc.	BUY	70.42	Ordinary	205	205
14-Apr-2023	The Vanguard Group, Inc.	BUY	70.42	Ordinary	123	123
14-Apr-2023	The Vanguard Group, Inc.	BUY	70.42	Ordinary	759	759

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
16-Dec-2022	Vanguard Investments Australia Ltd.	SELL	68.27	Ordinary	(840)	(840)
20-Dec-2022	Vanguard Investments Australia Ltd.	BUY	66.89	Ordinary	1,590	1,590
22-Dec-2022	Vanguard Investments Australia Ltd.	SELL	67.90	Ordinary	(2,862)	(2,862)
23-Dec-2022	Vanguard Investments Australia Ltd.	SELL	67.61	Ordinary	(1,908)	(1,908)
28-Dec-2022	Vanguard Investments Australia Ltd.	SELL	68.01	Ordinary	(5,565)	(5,565)
3-Jan-2023	Vanguard Investments Australia Ltd.	BUY	67.16	Ordinary	3,950	3,950
3-Jan-2023	Vanguard Investments Australia Ltd.	BUY	67.16	Ordinary	476	476
13-Jan-2023	Vanguard Investments Australia Ltd.	SELL	67.72	Ordinary	(2,370)	(2,370)
18-Jan-2023	Vanguard Investments Australia Ltd.	BUY	69.06	Ordinary	238	238
20-Jan-2023	Vanguard Investments Australia Ltd.	SELL	68.75	Ordinary	(2,142)	(2,142)
24-Jan-2023	Vanguard Investments Australia Ltd.	SELL	69.05	Ordinary	(2,261)	(2,261)
25-Jan-2023	Vanguard Investments Australia Ltd.	SELL	68.57	Ordinary	(2,261)	(2,261)
31-Jan-2023	Vanguard Investments Australia Ltd.	SELL	68.97	Ordinary	(13,189)	(13,189)
1-Feb-2023	Vanguard Investments Australia Ltd.	SELL	68.60	Ordinary	(3,318)	(3,318)
3-Feb-2023	Vanguard Investments Australia Ltd.	BUY	70.72	Ordinary	3,160	3,160
3-Feb-2023	Vanguard Investments Australia Ltd.	SELL	70.72	Ordinary	(2,528)	(2,528)
13-Feb-2023	Vanguard Investments Australia Ltd.	BUY	69.54	Ordinary	2,370	2,370
13-Feb-2023	Vanguard Investments Australia Ltd.	SELL	69.54	Ordinary	(10,705)	(10,705)
17-Feb-2023	Vanguard Investments Australia Ltd.	BUY	67.97	Ordinary	2,544	2,544
21-Feb-2023	Vanguard Investments Australia Ltd.	BUY	68.83	Ordinary	2,385	2,385
21-Feb-2023	Vanguard Investments Australia Ltd.	SELL	68.83	Ordinary	(9,540)	(9,540)
22-Feb-2023	Vanguard Investments Australia Ltd.	BUY	68.37	Ordinary	1,600	1,600
1-Mar-2023	Vanguard Investments Australia Ltd.	BUY	67.56	Ordinary	2,415	2,415
1-Mar-2023	Vanguard Investments Australia Ltd.	SELL	67.56	Ordinary	(2,898)	(2,898)
1-Mar-2023	Vanguard Investments Australia Ltd.	BUY	67.56	Ordinary	357	357
3-Mar-2023	Vanguard Investments Australia Ltd.	BUY	66.87	Ordinary	2,093	2,093
10-Mar-2023	Vanguard Investments Australia Ltd.	BUY	67.36	Ordinary	2,430	2,430
13-Mar-2023	Vanguard Investments Australia Ltd.	SELL	66.20	Ordinary	(1,782)	(1,782)
14-Mar-2023	Vanguard Investments Australia Ltd.	BUY	66.48	Ordinary	3,260	3,260
14-Mar-2023	Vanguard Investments Australia Ltd.	BUY	66.48	Ordinary	1,981	1,981
15-Mar-2023	Vanguard Investments Australia Ltd.	BUY	66.55	Ordinary	1,078	1,078
16-Mar-2023	Vanguard Investments Australia Ltd.	BUY	66.07	Ordinary	3,260	3,260
17-Mar-2023	Vanguard Investments Australia Ltd.	BUY	67.11	Ordinary	28,309	28,309
20-Mar-2023	Vanguard Investments Australia Ltd.	SELL	66.58	Ordinary	(4,238)	(4,238)
21-Mar-2023	Vanguard Investments Australia Ltd.	BUY	65.95	Ordinary	2,460	2,460
22-Mar-2023	Vanguard Investments Australia Ltd.	SELL	65.85	Ordinary	(1,800)	(1,800)
24-Mar-2023	Vanguard Investments Australia Ltd.	BUY	65.40	Ordinary	2,004	2,004
4-Apr-2023	Vanguard Investments Australia Ltd.	BUY	67.10	Ordinary	2,475	2,475
4-Apr-2023	Vanguard Investments Australia Ltd.	BUY	67.10	Ordinary	357	357
6-Apr-2023	Vanguard Investments Australia Ltd.	BUY	69.94	Ordinary	357	357
11-Apr-2023	Vanguard Investments Australia Ltd.	BUY	69.88	Ordinary	238	238

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

Signature:



Name: Shawn Acker

Capacity: Compliance Manager

Date: 19 April 2023