

Form 603
Corporations Act 2001
Section 671B

Notice of initial substantial holder

To Company Name/Scheme South32 Limited
ACN/ARSN 093 732 597

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 17 June 2022

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	235,364,454	235,364,454	5.077%
Note: Vanguard Group also holds 61,846 shares of South32 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 – 235,364,454

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 other accounts of Vanguard Group	Ordinary – 13,670,247
Vanguard Group	BNY Mellon	Various funds and other accounts of Vanguard Group	Ordinary – 16,002,831
Vanguard Group	JP Morgan Chase Bank, N.A.	Various funds and other accounts of Vanguard Group	Ordinary – 166,984,390
Vanguard Group	State Street Bank and Trust Company	Various funds and other accounts of Vanguard Group	Ordinary – 38,706,986

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

print name Shawn Acker capacity Compliance Manager

sign here  date 22 June 2022

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 South32 Limited
ACN/ARSN 093 732 597

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
18-Feb-2022	The Vanguard Group, Inc.	BUY	4.57	Ordinary	2,238	2,238
18-Feb-2022	The Vanguard Group, Inc.	SELL	4.57	Ordinary	(36,324)	(36,324)
18-Feb-2022	The Vanguard Group, Inc.	BUY	4.54	Ordinary	15,145	15,145
22-Feb-2022	The Vanguard Group, Inc.	BUY	4.41	Ordinary	2,159	2,159
22-Feb-2022	The Vanguard Group, Inc.	BUY	4.41	Ordinary	4,486	4,486
22-Feb-2022	The Vanguard Group, Inc.	BUY	4.40	Ordinary	31,734	31,734
23-Feb-2022	The Vanguard Group, Inc.	BUY	4.56	Ordinary	1,190	1,190
23-Feb-2022	The Vanguard Group, Inc.	BUY	4.56	Ordinary	4,444	4,444
23-Feb-2022	The Vanguard Group, Inc.	SELL	4.56	Ordinary	(150,710)	(150,710)
24-Feb-2022	The Vanguard Group, Inc.	BUY	4.54	Ordinary	9,477	9,477
24-Feb-2022	The Vanguard Group, Inc.	BUY	4.54	Ordinary	2,141	2,141
24-Feb-2022	The Vanguard Group, Inc.	SELL	4.54	Ordinary	(116,159)	(116,159)
24-Feb-2022	The Vanguard Group, Inc.	SELL	4.56	Ordinary	(12,984)	(12,984)
25-Feb-2022	The Vanguard Group, Inc.	SELL	4.62	Ordinary	(171,539)	(171,539)
25-Feb-2022	The Vanguard Group, Inc.	BUY	4.79	Ordinary	15,615	15,615
25-Feb-2022	The Vanguard Group, Inc.	BUY	4.79	Ordinary	26,445	26,445
25-Feb-2022	The Vanguard Group, Inc.	BUY	4.79	Ordinary	21,156	21,156
28-Feb-2022	The Vanguard Group, Inc.	SELL	4.81	Ordinary	(251,989)	(251,989)
28-Feb-2022	The Vanguard Group, Inc.	SELL	4.81	Ordinary	(3,039)	(3,039)
01-Mar-2022	The Vanguard Group, Inc.	BUY	4.80	Ordinary	80,062	80,062
01-Mar-2022	The Vanguard Group, Inc.	BUY	4.80	Ordinary	101,371	101,371
02-Mar-2022	The Vanguard Group, Inc.	SELL	5.03	Ordinary	(59,426)	(59,426)
02-Mar-2022	The Vanguard Group, Inc.	BUY	5.12	Ordinary	26,445	26,445
02-Mar-2022	The Vanguard Group, Inc.	BUY	4.91	Ordinary	188,991	188,991
03-Mar-2022	The Vanguard Group, Inc.	BUY	5.13	Ordinary	125,999	125,999
04-Mar-2022	The Vanguard Group, Inc.	SELL	5.17	Ordinary	(8,459)	(8,459)
04-Mar-2022	The Vanguard Group, Inc.	BUY	5.17	Ordinary	2,235	2,235
04-Mar-2022	The Vanguard Group, Inc.	BUY	5.17	Ordinary	2,758	2,758
07-Mar-2022	The Vanguard Group, Inc.	BUY	5.39	Ordinary	13,264	13,264
07-Mar-2022	The Vanguard Group, Inc.	SELL	5.36	Ordinary	(21,745)	(21,745)
07-Mar-2022	The Vanguard Group, Inc.	BUY	5.39	Ordinary	82,658	82,658
08-Mar-2022	The Vanguard Group, Inc.	SELL	5.01	Ordinary	(1,379)	(1,379)
08-Mar-2022	The Vanguard Group, Inc.	BUY	5.22	Ordinary	156,632	156,632
09-Mar-2022	The Vanguard Group, Inc.	SELL	4.90	Ordinary	(8,791)	(8,791)
09-Mar-2022	The Vanguard Group, Inc.	BUY	4.93	Ordinary	50,919	50,919
09-Mar-2022	The Vanguard Group, Inc.	BUY	4.93	Ordinary	84,624	84,624
09-Mar-2022	The Vanguard Group, Inc.	BUY	4.93	Ordinary	8,589	8,589
09-Mar-2022	The Vanguard Group, Inc.	BUY	4.95	Ordinary	8,589	8,589
09-Mar-2022	The Vanguard Group, Inc.	SELL	4.93	Ordinary	(8,589)	(8,589)
09-Mar-2022	The Vanguard Group, Inc.	BUY	4.93	Ordinary	135,751	135,751
10-Mar-2022	The Vanguard Group, Inc.	BUY	4.75	Ordinary	2,219	2,219
10-Mar-2022	The Vanguard Group, Inc.	SELL	4.74	Ordinary	(47,971)	(47,971)
10-Mar-2022	The Vanguard Group, Inc.	BUY	4.73	Ordinary	88,313	88,313
11-Mar-2022	The Vanguard Group, Inc.	BUY	4.89	Ordinary	2,214	2,214
11-Mar-2022	The Vanguard Group, Inc.	BUY	4.89	Ordinary	25,260	25,260
14-Mar-2022	The Vanguard Group, Inc.	SELL	4.86	Ordinary	(13,083)	(13,083)
14-Mar-2022	The Vanguard Group, Inc.	BUY	4.95	Ordinary	166,526	166,526
15-Mar-2022	The Vanguard Group, Inc.	BUY	4.64	Ordinary	1,151	1,151
15-Mar-2022	The Vanguard Group, Inc.	BUY	4.64	Ordinary	2,259	2,259
15-Mar-2022	The Vanguard Group, Inc.	BUY	4.64	Ordinary	112,223	112,223
16-Mar-2022	The Vanguard Group, Inc.	BUY	4.86	Ordinary	10,041	10,041
16-Mar-2022	The Vanguard Group, Inc.	BUY	4.86	Ordinary	10,041	10,041
16-Mar-2022	The Vanguard Group, Inc.	BUY	4.86	Ordinary	9,816	9,816
17-Mar-2022	The Vanguard Group, Inc.	BUY	4.75	Ordinary	2,017	2,017
17-Mar-2022	The Vanguard Group, Inc.	BUY	4.75	Ordinary	4,476	4,476
18-Mar-2022	The Vanguard Group, Inc.	SELL	4.82	Ordinary	(26,472)	(26,472)
18-Mar-2022	The Vanguard Group, Inc.	SELL	4.82	Ordinary	(171,131)	(171,131)
18-Mar-2022	The Vanguard Group, Inc.	SELL	4.82	Ordinary	(357,150)	(357,150)
18-Mar-2022	The Vanguard Group, Inc.	SELL	4.82	Ordinary	(130,533)	(130,533)
18-Mar-2022	The Vanguard Group, Inc.	BUY	4.82	Ordinary	1,578,278	1,578,278
22-Mar-2022	The Vanguard Group, Inc.	BUY	5.03	Ordinary	2,303	2,303
22-Mar-2022	The Vanguard Group, Inc.	BUY	5.01	Ordinary	28,031	28,031
23-Mar-2022	The Vanguard Group, Inc.	BUY	5.03	Ordinary	2,135	2,135

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
23-Mar-2022	The Vanguard Group, Inc.	BUY	5.06	Ordinary	16,185	16,185
23-Mar-2022	The Vanguard Group, Inc.	BUY	5.03	Ordinary	91,519	91,519
23-Mar-2022	The Vanguard Group, Inc.	BUY	5.03	Ordinary	178,307	178,307
24-Mar-2022	The Vanguard Group, Inc.	SELL	5.15	Ordinary	(12,996)	(12,996)
24-Mar-2022	The Vanguard Group, Inc.	BUY	5.08	Ordinary	944	944
24-Mar-2022	The Vanguard Group, Inc.	BUY	5.09	Ordinary	12,450	12,450
24-Mar-2022	The Vanguard Group, Inc.	BUY	5.09	Ordinary	5,124	5,124
25-Mar-2022	The Vanguard Group, Inc.	BUY	5.10	Ordinary	2,242	2,242
25-Mar-2022	The Vanguard Group, Inc.	SELL	5.10	Ordinary	(40,305)	(40,305)
29-Mar-2022	The Vanguard Group, Inc.	BUY	5.16	Ordinary	4,464	4,464
29-Mar-2022	The Vanguard Group, Inc.	BUY	5.16	Ordinary	90,420	90,420
29-Mar-2022	The Vanguard Group, Inc.	BUY	5.16	Ordinary	91,672	91,672
31-Mar-2022	The Vanguard Group, Inc.	BUY	5.02	Ordinary	2,092	2,092
31-Mar-2022	The Vanguard Group, Inc.	BUY	5.02	Ordinary	4,184	4,184
31-Mar-2022	The Vanguard Group, Inc.	BUY	5.08	Ordinary	21,984	21,984
31-Mar-2022	The Vanguard Group, Inc.	IN SPECIE	5.08	Ordinary	(250,106)	(250,106)
31-Mar-2022	The Vanguard Group, Inc.	BUY	5.08	Ordinary	12,915	12,915
01-Apr-2022	The Vanguard Group, Inc.	BUY	5.31	Ordinary	2,230	2,230
01-Apr-2022	The Vanguard Group, Inc.	BUY	5.35	Ordinary	11,904	11,904
01-Apr-2022	The Vanguard Group, Inc.	BUY	5.12	Ordinary	156,378	156,378
04-Apr-2022	The Vanguard Group, Inc.	BUY	5.26	Ordinary	4,272	4,272
05-Apr-2022	The Vanguard Group, Inc.	BUY	5.12	Ordinary	4,504	4,504
05-Apr-2022	The Vanguard Group, Inc.	BUY	5.12	Ordinary	4,514	4,514
05-Apr-2022	The Vanguard Group, Inc.	BUY	5.12	Ordinary	1,475	1,475
05-Apr-2022	The Vanguard Group, Inc.	BUY	5.10	Ordinary	17,430	17,430
05-Apr-2022	The Vanguard Group, Inc.	BUY	5.20	Ordinary	114,835	114,835
05-Apr-2022	The Vanguard Group, Inc.	BUY	5.10	Ordinary	12,450	12,450
06-Apr-2022	The Vanguard Group, Inc.	BUY	5.02	Ordinary	12,069	12,069
06-Apr-2022	The Vanguard Group, Inc.	BUY	5.00	Ordinary	27,520	27,520
06-Apr-2022	The Vanguard Group, Inc.	BUY	5.00	Ordinary	9,960	9,960
06-Apr-2022	The Vanguard Group, Inc.	BUY	5.00	Ordinary	10,364	10,364
07-Apr-2022	The Vanguard Group, Inc.	BUY	4.97	Ordinary	883	883
07-Apr-2022	The Vanguard Group, Inc.	BUY	5.05	Ordinary	14,495	14,495
07-Apr-2022	The Vanguard Group, Inc.	BUY	4.97	Ordinary	66,219	66,219
08-Apr-2022	The Vanguard Group, Inc.	BUY	5.02	Ordinary	30,457	30,457
08-Apr-2022	The Vanguard Group, Inc.	BUY	5.02	Ordinary	92,627	92,627
08-Apr-2022	The Vanguard Group, Inc.	BUY	5.17	Ordinary	11,496	11,496
08-Apr-2022	The Vanguard Group, Inc.	BUY	5.02	Ordinary	102,277	102,277
08-Apr-2022	The Vanguard Group, Inc.	BUY	5.17	Ordinary	32,748	32,748
08-Apr-2022	The Vanguard Group, Inc.	BUY	5.17	Ordinary	10,656	10,656
11-Apr-2022	The Vanguard Group, Inc.	BUY	5.06	Ordinary	2,264	2,264
12-Apr-2022	The Vanguard Group, Inc.	BUY	5.05	Ordinary	4,548	4,548
12-Apr-2022	The Vanguard Group, Inc.	BUY	5.09	Ordinary	32,664	32,664
12-Apr-2022	The Vanguard Group, Inc.	BUY	5.09	Ordinary	54,440	54,440
12-Apr-2022	The Vanguard Group, Inc.	BUY	5.04	Ordinary	108,691	108,691
12-Apr-2022	The Vanguard Group, Inc.	BUY	5.09	Ordinary	5,326	5,326
13-Apr-2022	The Vanguard Group, Inc.	BUY	5.14	Ordinary	73,933	73,933
19-Apr-2022	The Vanguard Group, Inc.	BUY	5.24	Ordinary	2,248	2,248
19-Apr-2022	The Vanguard Group, Inc.	SELL	5.27	Ordinary	(17,732)	(17,732)
19-Apr-2022	The Vanguard Group, Inc.	BUY	5.27	Ordinary	126,526	126,526
19-Apr-2022	The Vanguard Group, Inc.	BUY	5.27	Ordinary	80,878	80,878
19-Apr-2022	The Vanguard Group, Inc.	BUY	5.27	Ordinary	10,664	10,664
20-Apr-2022	The Vanguard Group, Inc.	BUY	5.17	Ordinary	2,247	2,247
20-Apr-2022	The Vanguard Group, Inc.	BUY	5.25	Ordinary	137,365	137,365
20-Apr-2022	The Vanguard Group, Inc.	BUY	5.20	Ordinary	5,332	5,332
20-Apr-2022	The Vanguard Group, Inc.	BUY	5.17	Ordinary	6,256	6,256
21-Apr-2022	The Vanguard Group, Inc.	BUY	5.09	Ordinary	17,103	17,103
21-Apr-2022	The Vanguard Group, Inc.	BUY	5.09	Ordinary	140,803	140,803
21-Apr-2022	The Vanguard Group, Inc.	SELL	5.20	Ordinary	(7,430)	(7,430)
22-Apr-2022	The Vanguard Group, Inc.	BUY	4.84	Ordinary	8,089	8,089
22-Apr-2022	The Vanguard Group, Inc.	BUY	4.84	Ordinary	4,542	4,542
22-Apr-2022	The Vanguard Group, Inc.	BUY	4.96	Ordinary	131,231	131,231
26-Apr-2022	The Vanguard Group, Inc.	BUY	4.46	Ordinary	9,120	9,120
26-Apr-2022	The Vanguard Group, Inc.	BUY	4.46	Ordinary	4,554	4,554
26-Apr-2022	The Vanguard Group, Inc.	BUY	4.46	Ordinary	1,475	1,475
26-Apr-2022	The Vanguard Group, Inc.	BUY	4.40	Ordinary	82,360	82,360
26-Apr-2022	The Vanguard Group, Inc.	BUY	4.46	Ordinary	154,363	154,363
27-Apr-2022	The Vanguard Group, Inc.	BUY	4.62	Ordinary	14,940	14,940
28-Apr-2022	The Vanguard Group, Inc.	BUY	4.75	Ordinary	8,307	8,307
28-Apr-2022	The Vanguard Group, Inc.	BUY	4.75	Ordinary	9,232	9,232

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
28-Apr-2022	The Vanguard Group, Inc.	BUY	4.75	Ordinary	69,127	69,127
28-Apr-2022	The Vanguard Group, Inc.	BUY	4.65	Ordinary	165,343	165,343
28-Apr-2022	The Vanguard Group, Inc.	BUY	4.77	Ordinary	5,346	5,346
28-Apr-2022	The Vanguard Group, Inc.	BUY	4.77	Ordinary	8,019	8,019
29-Apr-2022	The Vanguard Group, Inc.	BUY	4.77	Ordinary	2,178	2,178
29-Apr-2022	The Vanguard Group, Inc.	BUY	4.77	Ordinary	8,304	8,304
29-Apr-2022	The Vanguard Group, Inc.	BUY	4.81	Ordinary	178,266	178,266
02-May-2022	The Vanguard Group, Inc.	BUY	4.77	Ordinary	2,297	2,297
02-May-2022	The Vanguard Group, Inc.	SELL	4.74	Ordinary	(8,854)	(8,854)
02-May-2022	The Vanguard Group, Inc.	SELL	4.76	Ordinary	(6,776)	(6,776)
03-May-2022	The Vanguard Group, Inc.	BUY	4.77	Ordinary	9,260	9,260
04-May-2022	The Vanguard Group, Inc.	BUY	4.64	Ordinary	2,188	2,188
04-May-2022	The Vanguard Group, Inc.	BUY	4.64	Ordinary	2,318	2,318
04-May-2022	The Vanguard Group, Inc.	BUY	4.68	Ordinary	13,299	13,299
04-May-2022	The Vanguard Group, Inc.	BUY	4.68	Ordinary	18,675	18,675
05-May-2022	The Vanguard Group, Inc.	BUY	4.77	Ordinary	2,188	2,188
05-May-2022	The Vanguard Group, Inc.	BUY	4.73	Ordinary	67,333	67,333
05-May-2022	The Vanguard Group, Inc.	BUY	4.65	Ordinary	8,028	8,028
06-May-2022	The Vanguard Group, Inc.	BUY	4.63	Ordinary	8,287	8,287
06-May-2022	The Vanguard Group, Inc.	BUY	4.65	Ordinary	138,745	138,745
06-May-2022	The Vanguard Group, Inc.	BUY	4.58	Ordinary	8,028	8,028
09-May-2022	The Vanguard Group, Inc.	BUY	4.63	Ordinary	2,307	2,307
09-May-2022	The Vanguard Group, Inc.	BUY	4.54	Ordinary	5,350	5,350
10-May-2022	The Vanguard Group, Inc.	BUY	4.47	Ordinary	4,144	4,144
10-May-2022	The Vanguard Group, Inc.	BUY	4.47	Ordinary	17,978	17,978
10-May-2022	The Vanguard Group, Inc.	BUY	4.47	Ordinary	93,658	93,658
10-May-2022	The Vanguard Group, Inc.	BUY	4.51	Ordinary	147,140	147,140
10-May-2022	The Vanguard Group, Inc.	BUY	4.51	Ordinary	115,617	115,617
11-May-2022	The Vanguard Group, Inc.	BUY	4.41	Ordinary	14,279	14,279
11-May-2022	The Vanguard Group, Inc.	BUY	4.41	Ordinary	2,251	2,251
11-May-2022	The Vanguard Group, Inc.	BUY	4.41	Ordinary	2,315	2,315
11-May-2022	The Vanguard Group, Inc.	BUY	4.40	Ordinary	5,358	5,358
12-May-2022	The Vanguard Group, Inc.	BUY	4.37	Ordinary	2,251	2,251
12-May-2022	The Vanguard Group, Inc.	BUY	4.37	Ordinary	2,072	2,072
12-May-2022	The Vanguard Group, Inc.	BUY	4.33	Ordinary	12,450	12,450
12-May-2022	The Vanguard Group, Inc.	BUY	4.33	Ordinary	10,772	10,772
12-May-2022	The Vanguard Group, Inc.	BUY	4.33	Ordinary	5,386	5,386
16-May-2022	The Vanguard Group, Inc.	BUY	4.40	Ordinary	2,293	2,293
17-May-2022	The Vanguard Group, Inc.	BUY	4.48	Ordinary	105,269	105,269
18-May-2022	The Vanguard Group, Inc.	BUY	4.70	Ordinary	4,210	4,210
18-May-2022	The Vanguard Group, Inc.	BUY	4.70	Ordinary	35,665	35,665
18-May-2022	The Vanguard Group, Inc.	BUY	4.70	Ordinary	87,513	87,513
18-May-2022	The Vanguard Group, Inc.	BUY	4.63	Ordinary	5,380	5,380
19-May-2022	The Vanguard Group, Inc.	BUY	4.59	Ordinary	8,513	8,513
19-May-2022	The Vanguard Group, Inc.	BUY	4.65	Ordinary	11,790	11,790
19-May-2022	The Vanguard Group, Inc.	BUY	4.65	Ordinary	2,298	2,298
19-May-2022	The Vanguard Group, Inc.	BUY	4.70	Ordinary	10,035	10,035
19-May-2022	The Vanguard Group, Inc.	BUY	4.70	Ordinary	17,732	17,732
19-May-2022	The Vanguard Group, Inc.	BUY	4.70	Ordinary	18,675	18,675
19-May-2022	The Vanguard Group, Inc.	BUY	4.70	Ordinary	5,370	5,370
19-May-2022	The Vanguard Group, Inc.	BUY	4.70	Ordinary	5,370	5,370
23-May-2022	The Vanguard Group, Inc.	BUY	4.67	Ordinary	2,274	2,274
24-May-2022	The Vanguard Group, Inc.	BUY	4.68	Ordinary	54,850	54,850
24-May-2022	The Vanguard Group, Inc.	BUY	4.73	Ordinary	8,046	8,046
25-May-2022	The Vanguard Group, Inc.	BUY	4.68	Ordinary	2,325	2,325
25-May-2022	The Vanguard Group, Inc.	BUY	4.68	Ordinary	26,960	26,960
25-May-2022	The Vanguard Group, Inc.	BUY	4.68	Ordinary	5,392	5,392
25-May-2022	The Vanguard Group, Inc.	BUY	4.68	Ordinary	8,088	8,088
26-May-2022	The Vanguard Group, Inc.	BUY	4.72	Ordinary	13,544	13,544
26-May-2022	The Vanguard Group, Inc.	BUY	4.64	Ordinary	6,056	6,056
26-May-2022	The Vanguard Group, Inc.	BUY	4.72	Ordinary	5,366	5,366
27-May-2022	The Vanguard Group, Inc.	BUY	4.71	Ordinary	2,383	2,383
27-May-2022	The Vanguard Group, Inc.	BUY	4.71	Ordinary	2,267	2,267
30-May-2022	The Vanguard Group, Inc.	BUY	4.83	Ordinary	124,845	124,845
31-May-2022	The Vanguard Group, Inc.	SELL	5.00	Ordinary	(37,144)	(37,144)
01-Jun-2022	The Vanguard Group, Inc.	BUY	4.94	Ordinary	31,377	31,377
02-Jun-2022	The Vanguard Group, Inc.	BUY	4.89	Ordinary	558	558
02-Jun-2022	The Vanguard Group, Inc.	BUY	4.98	Ordinary	2,246	2,246
02-Jun-2022	The Vanguard Group, Inc.	BUY	4.98	Ordinary	1,475	1,475
02-Jun-2022	The Vanguard Group, Inc.	BUY	5.06	Ordinary	13,424	13,424

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
02-Jun-2022	The Vanguard Group, Inc.	BUY	5.06	Ordinary	24,900	24,900
02-Jun-2022	The Vanguard Group, Inc.	BUY	5.06	Ordinary	5,384	5,384
02-Jun-2022	The Vanguard Group, Inc.	SELL	4.89	Ordinary	(6,265)	(6,265)
03-Jun-2022	The Vanguard Group, Inc.	BUY	5.08	Ordinary	2,383	2,383
03-Jun-2022	The Vanguard Group, Inc.	BUY	5.08	Ordinary	2,252	2,252
03-Jun-2022	The Vanguard Group, Inc.	BUY	5.02	Ordinary	8,055	8,055
07-Jun-2022	The Vanguard Group, Inc.	BUY	5.09	Ordinary	2,270	2,270
08-Jun-2022	The Vanguard Group, Inc.	BUY	5.17	Ordinary	2,118	2,118
08-Jun-2022	The Vanguard Group, Inc.	BUY	5.17	Ordinary	9,206	9,206
08-Jun-2022	The Vanguard Group, Inc.	BUY	5.17	Ordinary	22,139	22,139
08-Jun-2022	The Vanguard Group, Inc.	SELL	5.17	Ordinary	(263,762)	(263,762)
10-Jun-2022	The Vanguard Group, Inc.	BUY	4.80	Ordinary	6,696	6,696
13-Jun-2022	The Vanguard Group, Inc.	BUY	4.39	Ordinary	8,079	8,079
13-Jun-2022	The Vanguard Group, Inc.	BUY	4.39	Ordinary	8,079	8,079
14-Jun-2022	The Vanguard Group, Inc.	SELL	4.56	Ordinary	(192)	(192)
14-Jun-2022	The Vanguard Group, Inc.	BUY	4.49	Ordinary	2,223	2,223
14-Jun-2022	The Vanguard Group, Inc.	BUY	4.49	Ordinary	2,241	2,241
14-Jun-2022	The Vanguard Group, Inc.	BUY	4.49	Ordinary	9,212	9,212
14-Jun-2022	The Vanguard Group, Inc.	BUY	4.49	Ordinary	8,960	8,960
15-Jun-2022	The Vanguard Group, Inc.	SELL	4.42	Ordinary	(1,458)	(1,458)
15-Jun-2022	The Vanguard Group, Inc.	BUY	4.33	Ordinary	2,280	2,280
15-Jun-2022	The Vanguard Group, Inc.	SELL	4.33	Ordinary	(158,777)	(158,777)
16-Jun-2022	The Vanguard Group, Inc.	BUY	4.34	Ordinary	16,212	16,212
17-Jun-2022	The Vanguard Group, Inc.	SELL	4.16	Ordinary	(16,502)	(16,502)
18-Feb-2022	Vanguard Investments Australia Ltd.	BUY	4.57	Ordinary	36,171	36,171
22-Feb-2022	Vanguard Investments Australia Ltd.	BUY	4.41	Ordinary	48,240	48,240
22-Feb-2022	Vanguard Investments Australia Ltd.	SELL	4.41	Ordinary	(1,045,164)	(1,045,164)
24-Feb-2022	Vanguard Investments Australia Ltd.	BUY	4.54	Ordinary	215,339	215,339
24-Feb-2022	Vanguard Investments Australia Ltd.	BUY	4.54	Ordinary	81,370	81,370
25-Feb-2022	Vanguard Investments Australia Ltd.	BUY	4.62	Ordinary	129,056	129,056
25-Feb-2022	Vanguard Investments Australia Ltd.	BUY	4.62	Ordinary	84,693	84,693
28-Feb-2022	Vanguard Investments Australia Ltd.	BUY	4.81	Ordinary	48,420	48,420
28-Feb-2022	Vanguard Investments Australia Ltd.	BUY	4.81	Ordinary	24,210	24,210
28-Feb-2022	Vanguard Investments Australia Ltd.	BUY	4.81	Ordinary	34,441	34,441
02-Mar-2022	Vanguard Investments Australia Ltd.	BUY	5.03	Ordinary	32,360	32,360
04-Mar-2022	Vanguard Investments Australia Ltd.	BUY	5.17	Ordinary	44,627	44,627
09-Mar-2022	Vanguard Investments Australia Ltd.	BUY	4.93	Ordinary	142,030	142,030
09-Mar-2022	Vanguard Investments Australia Ltd.	BUY	4.93	Ordinary	44,638	44,638
10-Mar-2022	Vanguard Investments Australia Ltd.	BUY	4.75	Ordinary	61,170	61,170
10-Mar-2022	Vanguard Investments Australia Ltd.	BUY	4.75	Ordinary	89,716	89,716
10-Mar-2022	Vanguard Investments Australia Ltd.	BUY	4.75	Ordinary	11,481	11,481
16-Mar-2022	Vanguard Investments Australia Ltd.	BUY	4.77	Ordinary	32,856	32,856
17-Mar-2022	Vanguard Investments Australia Ltd.	BUY	4.75	Ordinary	11,478	11,478
18-Mar-2022	Vanguard Investments Australia Ltd.	BUY	4.82	Ordinary	62,161	62,161
21-Mar-2022	Vanguard Investments Australia Ltd.	BUY	4.88	Ordinary	11,508	11,508
21-Mar-2022	Vanguard Investments Australia Ltd.	BUY	4.88	Ordinary	118,916	118,916
29-Mar-2022	Vanguard Investments Australia Ltd.	BUY	5.16	Ordinary	7,682	7,682
30-Mar-2022	Vanguard Investments Australia Ltd.	BUY	4.98	Ordinary	15,364	15,364
01-Apr-2022	Vanguard Investments Australia Ltd.	BUY	5.31	Ordinary	7,604	7,604
05-Apr-2022	Vanguard Investments Australia Ltd.	BUY	5.12	Ordinary	50,328	50,328
05-Apr-2022	Vanguard Investments Australia Ltd.	BUY	5.12	Ordinary	3,802	3,802
06-Apr-2022	Vanguard Investments Australia Ltd.	BUY	5.02	Ordinary	11,403	11,403
07-Apr-2022	Vanguard Investments Australia Ltd.	BUY	4.97	Ordinary	11,403	11,403
08-Apr-2022	Vanguard Investments Australia Ltd.	BUY	5.02	Ordinary	7,602	7,602
11-Apr-2022	Vanguard Investments Australia Ltd.	BUY	5.06	Ordinary	7,602	7,602
12-Apr-2022	Vanguard Investments Australia Ltd.	BUY	5.05	Ordinary	7,610	7,610
13-Apr-2022	Vanguard Investments Australia Ltd.	BUY	5.12	Ordinary	63,345	63,345
20-Apr-2022	Vanguard Investments Australia Ltd.	BUY	5.17	Ordinary	7,612	7,612
21-Apr-2022	Vanguard Investments Australia Ltd.	BUY	5.09	Ordinary	7,610	7,610
22-Apr-2022	Vanguard Investments Australia Ltd.	BUY	4.84	Ordinary	42,250	42,250
22-Apr-2022	Vanguard Investments Australia Ltd.	BUY	4.84	Ordinary	11,415	11,415
26-Apr-2022	Vanguard Investments Australia Ltd.	BUY	4.46	Ordinary	380,880	380,880
26-Apr-2022	Vanguard Investments Australia Ltd.	BUY	4.46	Ordinary	7,610	7,610
27-Apr-2022	Vanguard Investments Australia Ltd.	BUY	4.60	Ordinary	21,165	21,165
27-Apr-2022	Vanguard Investments Australia Ltd.	BUY	4.60	Ordinary	39,132	39,132
27-Apr-2022	Vanguard Investments Australia Ltd.	BUY	4.60	Ordinary	11,415	11,415
27-Apr-2022	Vanguard Investments Australia Ltd.	BUY	4.60	Ordinary	19,025	19,025
28-Apr-2022	Vanguard Investments Australia Ltd.	BUY	4.75	Ordinary	42,310	42,310
29-Apr-2022	Vanguard Investments Australia Ltd.	SELL	4.77	Ordinary	(430,135)	(430,135)
29-Apr-2022	Vanguard Investments Australia Ltd.	BUY	4.77	Ordinary	15,220	15,220

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
03-May-2022	Vanguard Investments Australia Ltd.	BUY	4.77	Ordinary	37,347	37,347
04-May-2022	Vanguard Investments Australia Ltd.	BUY	4.64	Ordinary	20,990	20,990
05-May-2022	Vanguard Investments Australia Ltd.	BUY	4.77	Ordinary	62,895	62,895
05-May-2022	Vanguard Investments Australia Ltd.	SELL	4.77	Ordinary	(64,231)	(64,231)
06-May-2022	Vanguard Investments Australia Ltd.	BUY	4.63	Ordinary	15,220	15,220
09-May-2022	Vanguard Investments Australia Ltd.	BUY	4.63	Ordinary	12,621	12,621
09-May-2022	Vanguard Investments Australia Ltd.	BUY	4.63	Ordinary	67,312	67,312
10-May-2022	Vanguard Investments Australia Ltd.	BUY	4.47	Ordinary	42,030	42,030
10-May-2022	Vanguard Investments Australia Ltd.	BUY	4.47	Ordinary	290,007	290,007
11-May-2022	Vanguard Investments Australia Ltd.	BUY	4.41	Ordinary	15,268	15,268
16-May-2022	Vanguard Investments Australia Ltd.	BUY	4.40	Ordinary	50,352	50,352
16-May-2022	Vanguard Investments Australia Ltd.	BUY	4.40	Ordinary	20,980	20,980
16-May-2022	Vanguard Investments Australia Ltd.	BUY	4.40	Ordinary	11,463	11,463
17-May-2022	Vanguard Investments Australia Ltd.	BUY	4.47	Ordinary	7,531	7,531
18-May-2022	Vanguard Investments Australia Ltd.	BUY	4.70	Ordinary	50,508	50,508
18-May-2022	Vanguard Investments Australia Ltd.	BUY	4.70	Ordinary	7,642	7,642
20-May-2022	Vanguard Investments Australia Ltd.	BUY	4.72	Ordinary	50,544	50,544
20-May-2022	Vanguard Investments Australia Ltd.	BUY	4.72	Ordinary	11,481	11,481
24-May-2022	Vanguard Investments Australia Ltd.	BUY	4.68	Ordinary	3,823	3,823
25-May-2022	Vanguard Investments Australia Ltd.	BUY	4.68	Ordinary	3,825	3,825
30-May-2022	Vanguard Investments Australia Ltd.	BUY	4.88	Ordinary	42,150	42,150
30-May-2022	Vanguard Investments Australia Ltd.	BUY	4.88	Ordinary	15,308	15,308
03-Jun-2022	Vanguard Investments Australia Ltd.	BUY	5.08	Ordinary	50,160	50,160
03-Jun-2022	Vanguard Investments Australia Ltd.	BUY	5.08	Ordinary	15,308	15,308
07-Jun-2022	Vanguard Investments Australia Ltd.	BUY	5.09	Ordinary	238,431	238,431
08-Jun-2022	Vanguard Investments Australia Ltd.	BUY	5.17	Ordinary	49,956	49,956
08-Jun-2022	Vanguard Investments Australia Ltd.	BUY	5.17	Ordinary	19,135	19,135
08-Jun-2022	Vanguard Investments Australia Ltd.	BUY	5.17	Ordinary	7,654	7,654
10-Jun-2022	Vanguard Investments Australia Ltd.	BUY	4.80	Ordinary	83,120	83,120
14-Jun-2022	Vanguard Investments Australia Ltd.	BUY	4.49	Ordinary	33,208	33,208
14-Jun-2022	Vanguard Investments Australia Ltd.	BUY	4.49	Ordinary	20,755	20,755
14-Jun-2022	Vanguard Investments Australia Ltd.	BUY	4.49	Ordinary	62,265	62,265
14-Jun-2022	Vanguard Investments Australia Ltd.	BUY	4.49	Ordinary	15,308	15,308
14-Jun-2022	Vanguard Investments Australia Ltd.	BUY	4.49	Ordinary	11,481	11,481
16-Jun-2022	Vanguard Investments Australia Ltd.	BUY	4.42	Ordinary	3,849	3,849
16-Jun-2022	Vanguard Investments Australia Ltd.	BUY	4.42	Ordinary	19,245	19,245
17-Jun-2022	Vanguard Investments Australia Ltd.	BUY	4.16	Ordinary	54,171	54,171
17-Jun-2022	Vanguard Investments Australia Ltd.	BUY	4.16	Ordinary	7,173,745	7,173,745
17-Jun-2022	Vanguard Investments Australia Ltd.	BUY	4.16	Ordinary	11,547	11,547

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

Signature: 

Name: Shawn Acker

Capacity: Compliance Manager

Date: 22 June 2022