

Form 604

Corporations Act 2001
Section 671B

Notice of change of interests of substantial holder

To Company Name/Scheme

ACN/ARSN

1. Details of substantial holder(1)

Name

ACN/ARSN (if applicable)

There was a change in the interests of the
substantial holder on

/ /

The previous notice was given to the company on

/ /

The previous notice was dated

/ /

2. Previous and present 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 when last required, and when now required, to give a substantial holding notice to the company or scheme, are as follows:

Class of securities (4)	Previous notice		Present notice	
	Person's votes	Voting power (5)	Person's votes	Voting power (5)

3. Changes in relevant interests

Particulars of each change in, or change in the nature of, a relevant interest of the substantial holder or an associate in voting securities of the company or scheme, since the substantial holder was last required to give a substantial holding notice to the company or scheme are as follows:

Date of change	Person whose relevant interest changed	Nature of change (6)	Consideration given in relation to change (7)	Class and number of securities affected	Person's votes affected

4. Present relevant interests

Particulars of each relevant interest of the substantial holder in voting securities after the change are as follows:

Holder of relevant interest	Registered holder of securities	Person entitled to be registered as holder (8)	Nature of relevant interest (6)	Class and number of securities	Person's votes

5. Changes in association

The persons who have become associates (2) of, ceased to be associates of, or have changed the nature of their association (9) with, the substantial holder in relation to voting interests in the company or scheme are as follows:

Name and ACN/ARSN (if applicable)	Nature of association

6. Addresses

The addresses of persons named in this form are as follows:

Name	Address

Signature

print name

capacity

sign here

date / /

DIRECTIONS

- (1) If there are a number of substantial holders with similar or related relevant 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 6 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 person's votes divided by the total votes in the body corporate or scheme multiplied by 100.
- (6) Include details of:
 - (a) any relevant agreement or other circumstances because of which the change in relevant interest occurred. 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.
- (7) Details of the consideration must include any and all benefits, money and other, that any person from whom a relevant interest was 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 or its associate in relation to the acquisitions, even if they are not paid directly to the person from whom the relevant interest was acquired.
- (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) Give details, if appropriate, of the present association and any change in that association since the last substantial holding notice.

This is Annexure A of 11 pages referred to in form 604 Notice of change of interests of substantial shareholder

21-Dec-17

Kayla Mulvihill,
Authorised Signatory

Date

5. Consideration

TABCORP HOLDINGS LTD (TAH)

Date of Change	Person whose relevant interest changed	Nature of change (6) / Consideration given in relation to change (7)		CCY	Class and number of securities affected		Person's votes affected
03-Oct-17	BlackRock Fund Advisors	on mkt buy	4.28	AUD	ord	1,176	1,176
03-Oct-17	BlackRock Investment Management (UK) Limited	on mkt buy	4.25	AUD	ord	8,910	8,910
03-Oct-17	BlackRock Fund Advisors	on mkt buy	4.25	AUD	ord	15,642	15,642
03-Oct-17	BlackRock Advisors (UK) Limited	on mkt buy	4.25	AUD	ord	3,422	3,422
03-Oct-17	BlackRock Advisors (UK) Limited	on mkt buy	4.25	AUD	ord	141	141
04-Oct-17	BlackRock Investment Management (Australia) Limited	on mkt buy	4.23	AUD	ord	92	92
04-Oct-17	BlackRock Investment Management (Australia) Limited	on mkt buy	4.23	AUD	ord	2,046	2,046
04-Oct-17	BlackRock Investment Management (Australia) Limited	on mkt buy	4.23	AUD	ord	25	25
04-Oct-17	BlackRock Asset Management Canada Limited	on mkt buy	4.24	AUD	ord	4,680	4,680
04-Oct-17	BlackRock Investment Management (Australia) Limited	on mkt buy	4.23	AUD	ord	12,857	12,857
04-Oct-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	15,125	15,125
04-Oct-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	6,655	6,655
04-Oct-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	6,060	6,060
04-Oct-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	13,728	13,728
05-Oct-17	BlackRock Advisors (UK) Limited	on mkt buy	4.24	AUD	ord	824	824
05-Oct-17	BlackRock Asset Management Deutschland AG	on mkt buy	4.24	AUD	ord	30,107	30,107
06-Oct-17	BlackRock Advisors (UK) Limited	on mkt buy	4.26	AUD	ord	696	696
06-Oct-17	BlackRock Asset Management Canada Limited	on mkt buy	4.26	AUD	ord	532	532
06-Oct-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	2,200	2,200
06-Oct-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	13,915	13,915
06-Oct-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	15,160	15,160
09-Oct-17	BlackRock Advisors (UK) Limited	on mkt buy	4.27	AUD	ord	3,422	3,422
09-Oct-17	BlackRock Advisors (UK) Limited	on mkt sell	4.27	AUD	ord	-3,338	-3,338
10-Oct-17	BlackRock Advisors (UK) Limited	on mkt buy	4.27	AUD	ord	31,949	31,949
10-Oct-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	9,680	9,680
10-Oct-17	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ord	-5,910	-5,910
11-Oct-17	BlackRock Asset Management Deutschland AG	on mkt sell	4.30	AUD	ord	-37,830	-37,830
11-Oct-17	BlackRock Investment Management (Australia) Limited	on mkt buy	4.29	AUD	ord	135	135
11-Oct-17	BlackRock Investment Management (Australia) Limited	on mkt buy	4.29	AUD	ord	536	536
11-Oct-17	BlackRock Advisors (UK) Limited	on mkt sell	4.29	AUD	ord	-15,426	-15,426
11-Oct-17	BlackRock Institutional Trust Company, National Association	on mkt buy	4.30	AUD	ord	26,613	26,613
11-Oct-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	6,600	6,600
11-Oct-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	12,100	12,100
11-Oct-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	4,840	4,840
11-Oct-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	2,262	2,262
11-Oct-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	4,040	4,040
11-Oct-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	-252	-252
12-Oct-17	BlackRock Advisors (UK) Limited	on mkt buy	4.28	AUD	ord	10,188	10,188
12-Oct-17	BlackRock Advisors (UK) Limited	on mkt buy	4.28	AUD	ord	2,654	2,654
13-Oct-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	5,910	5,910
16-Oct-17	BlackRock Fund Advisors	on mkt buy	4.30	AUD	ord	983	983
16-Oct-17	BlackRock Advisors (UK) Limited	on mkt sell	4.29	AUD	ord	-3,428	-3,428
16-Oct-17	BlackRock Advisors (UK) Limited	on mkt sell	4.29	AUD	ord	-4,204	-4,204
16-Oct-17	BlackRock Advisors (UK) Limited	on mkt buy	4.29	AUD	ord	1,442	1,442
16-Oct-17	BlackRock Advisors (UK) Limited	on mkt buy	4.29	AUD	ord	1,648	1,648
17-Oct-17	BlackRock Advisors (UK) Limited	on mkt buy	4.30	AUD	ord	1,030	1,030
17-Oct-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	15,125	15,125
17-Oct-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	2,466	2,466

Date of Change	Person whose relevant interest changed	Nature of change (6) / Consideration given in relation to change (7)		CCY	Class and number of securities affected		Person's votes affected
18-Oct-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	6,050	6,050
19-Oct-17	BlackRock Institutional Trust Company, National Association	on mkt buy	4.28	AUD	ord	106	106
19-Oct-17	BlackRock Advisors (UK) Limited	on mkt buy	4.32	AUD	ord	694	694
19-Oct-17	BlackRock Investment Management (Australia) Limited	on mkt buy	4.32	AUD	ord	6,584	6,584
19-Oct-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	5,050	5,050
20-Oct-17	BlackRock Advisors (UK) Limited	on mkt buy	4.35	AUD	ord	3,396	3,396
20-Oct-17	BlackRock Advisors (UK) Limited	on mkt buy	4.35	AUD	ord	2,102	2,102
20-Oct-17	BlackRock Investment Management (Australia) Limited	on mkt sell	4.35	AUD	ord	-159,354	-159,354
23-Oct-17	BlackRock Advisors (UK) Limited	on mkt buy	4.37	AUD	ord	1,698	1,698
24-Oct-17	BlackRock Advisors (UK) Limited	on mkt sell	4.34	AUD	ord	-6,856	-6,856
24-Oct-17	BlackRock Advisors (UK) Limited	on mkt sell	4.34	AUD	ord	-5,142	-5,142
24-Oct-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	2,262	2,262
24-Oct-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	9,802	9,802
24-Oct-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	6,060	6,060
25-Oct-17	BlackRock Asset Management Canada Limited	on mkt buy	4.36	AUD	ord	231	231
25-Oct-17	BlackRock Institutional Trust Company, National Association	on mkt buy	4.36	AUD	ord	11,518	11,518
25-Oct-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	14,520	14,520
25-Oct-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	-4,533	-4,533
26-Oct-17	BlackRock Advisors (UK) Limited	on mkt sell	4.37	AUD	ord	-5,308	-5,308
26-Oct-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	3,025	3,025
26-Oct-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	10,100	10,100
26-Oct-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	10,255	10,255
27-Oct-17	BlackRock Advisors (UK) Limited	on mkt buy	4.45	AUD	ord	6,792	6,792
27-Oct-17	BlackRock Advisors (UK) Limited	on mkt sell	4.45	AUD	ord	-5,142	-5,142
30-Oct-17	BlackRock Investment Management, LLC	on mkt buy	4.50	AUD	ord	6,740	6,740
30-Oct-17	BlackRock Advisors, LLC	on mkt buy	4.50	AUD	ord	4,256	4,256
31-Oct-17	BlackRock Advisors (UK) Limited	on mkt buy	4.49	AUD	ord	1,648	1,648
31-Oct-17	BlackRock Advisors (UK) Limited	on mkt buy	4.49	AUD	ord	347	347
31-Oct-17	BlackRock Institutional Trust Company, National Association	on mkt sell	4.49	AUD	ord	-250	-250
31-Oct-17	BlackRock Institutional Trust Company, National Association	on mkt sell	4.49	AUD	ord	-3,783	-3,783
31-Oct-17	BlackRock Institutional Trust Company, National Association	on mkt sell	4.49	AUD	ord	-11,315	-11,315
31-Oct-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	64,728	64,728
31-Oct-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	-33,454	-33,454
01-Nov-17	BlackRock Investment Management (Australia) Limited	on mkt buy	4.46	AUD	ord	5,928	5,928
01-Nov-17	BlackRock Advisors (UK) Limited	on mkt buy	4.46	AUD	ord	2,102	2,102
01-Nov-17	BlackRock Advisors (UK) Limited	on mkt buy	4.46	AUD	ord	347	347
01-Nov-17	BlackRock Asset Management Canada Limited	on mkt buy	4.46	AUD	ord	18,058	18,058
01-Nov-17	BlackRock Institutional Trust Company, National Association	on mkt sell	4.46	AUD	ord	-27,639	-27,639
02-Nov-17	BlackRock Asset Management Deutschland AG	on mkt sell	4.42	AUD	ord	-37,888	-37,888
02-Nov-17	BlackRock Investment Management (Australia) Limited	on mkt sell	4.43	AUD	ord	-889	-889
02-Nov-17	BlackRock Investment Management (Australia) Limited	on mkt sell	4.42	AUD	ord	-51,678	-51,678
02-Nov-17	BlackRock Investment Management (UK) Limited	on mkt sell	4.42	AUD	ord	-5,921	-5,921
02-Nov-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	1,210	1,210
02-Nov-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	2,697	2,697
02-Nov-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	15,825	15,825
02-Nov-17	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ord	18,651	18,651
03-Nov-17	BlackRock Advisors (UK) Limited	on mkt buy	4.44	AUD	ord	4,204	4,204
03-Nov-17	BlackRock Institutional Trust Company, National Association	on mkt sell	4.44	AUD	ord	-2,955	-2,955
06-Nov-17	BlackRock Advisors (UK) Limited	on mkt buy	4.48	AUD	ord	74,743	74,743
06-Nov-17	BlackRock Investment Management (Australia) Limited	on mkt buy	4.48	AUD	ord	24,955	24,955
06-Nov-17	BlackRock Advisors (UK) Limited	on mkt buy	4.51	AUD	ord	2,060	2,060
06-Nov-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	5,394	5,394
06-Nov-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	9,075	9,075

Date of Change	Person whose relevant interest changed	Nature of change (6) / Consideration given in relation to change (7)		CCY	Class and number of securities affected		Person's votes affected
06-Nov-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	-6,567	-6,567
07-Nov-17	BlackRock Advisors, LLC	on mkt buy	4.52	AUD	ord	168	168
07-Nov-17	BlackRock Advisors (UK) Limited	on mkt buy	4.51	AUD	ord	6,798	6,798
07-Nov-17	BlackRock Investment Management (Australia) Limited	on mkt sell	4.51	AUD	ord	-124,092	-124,092
07-Nov-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	1,980	1,980
07-Nov-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	5,050	5,050
07-Nov-17	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ord	-2,708	-2,708
08-Nov-17	BlackRock Advisors (UK) Limited	on mkt buy	4.60	AUD	ord	1,699	1,699
08-Nov-17	BlackRock Advisors (UK) Limited	on mkt buy	4.60	AUD	ord	278	278
08-Nov-17	BlackRock Advisors (UK) Limited	on mkt sell	4.60	AUD	ord	-152,203	-152,203
08-Nov-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	4,400	4,400
08-Nov-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	3,770	3,770
08-Nov-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	3,630	3,630
08-Nov-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	6,655	6,655
09-Nov-17	BlackRock Investment Management (Australia) Limited	on mkt sell	4.60	AUD	ord	-981,798	-981,798
09-Nov-17	BlackRock Investment Management (Australia) Limited	on mkt sell	4.60	AUD	ord	-28,359	-28,359
09-Nov-17	BlackRock Advisors (UK) Limited	on mkt buy	4.58	AUD	ord	1,394	1,394
09-Nov-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	6,060	6,060
10-Nov-17	BlackRock Advisors (UK) Limited	on mkt sell	4.59	AUD	ord	-10,194	-10,194
10-Nov-17	BlackRock Advisors (UK) Limited	on mkt buy	4.60	AUD	ord	2,103	2,103
10-Nov-17	BlackRock Advisors (UK) Limited	on mkt buy	4.59	AUD	ord	880	880
10-Nov-17	BlackRock Advisors (UK) Limited	on mkt buy	4.59	AUD	ord	9,654	9,654
10-Nov-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	2,708	2,708
13-Nov-17	BlackRock Advisors (UK) Limited	on mkt buy	4.59	AUD	ord	22,295	22,295
13-Nov-17	BlackRock Advisors (UK) Limited	on mkt sell	4.59	AUD	ord	-2,655	-2,655
14-Nov-17	BlackRock Advisors (UK) Limited	on mkt sell	4.62	AUD	ord	-65,336	-65,336
14-Nov-17	BlackRock Advisors (UK) Limited	on mkt sell	4.62	AUD	ord	-16,990	-16,990
14-Nov-17	BlackRock Advisors (UK) Limited	on mkt sell	4.66	AUD	ord	-12,005	-12,005
14-Nov-17	BlackRock Investment Management (Australia) Limited	on mkt buy	4.66	AUD	ord	13,937	13,937
14-Nov-17	BlackRock Investment Management (Australia) Limited	on mkt sell	4.66	AUD	ord	-6,149	-6,149
14-Nov-17	BlackRock Asset Management Canada Limited	on mkt sell	4.66	AUD	ord	-17,921	-17,921
14-Nov-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	3,025	3,025
15-Nov-17	BlackRock Investment Management (Australia) Limited	on mkt buy	4.70	AUD	ord	6,916	6,916
15-Nov-17	BlackRock Institutional Trust Company, National Association	on mkt sell	4.70	AUD	ord	-227,369	-227,369
15-Nov-17	BlackRock Advisors (UK) Limited	on mkt sell	4.69	AUD	ord	-3,444	-3,444
15-Nov-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	7,865	7,865
15-Nov-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	-10,734	-10,734
16-Nov-17	BlackRock Advisors (UK) Limited	on mkt sell	4.75	AUD	ord	-22,113	-22,113
16-Nov-17	BlackRock Investment Management (UK) Limited	on mkt buy	4.75	AUD	ord	6,471	6,471
16-Nov-17	BlackRock Investment Management (Australia) Limited	on mkt sell	4.75	AUD	ord	-8,487	-8,487
16-Nov-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	16,940	16,940
16-Nov-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	3,025	3,025
16-Nov-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	-11,370	-11,370
16-Nov-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	27,456	27,456
17-Nov-17	BlackRock Advisors (UK) Limited	on mkt buy	4.98	AUD	ord	198	198
17-Nov-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	2,640	2,640
17-Nov-17	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ord	-10,264	-10,264
17-Nov-17	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ord	-10,986	-10,986
20-Nov-17	BlackRock Advisors (UK) Limited	on mkt buy	4.94	AUD	ord	32,723	32,723
21-Nov-17	BlackRock Investment Management (Australia) Limited	on mkt buy	4.95	AUD	ord	973,324	973,324
21-Nov-17	BlackRock Investment Management (Australia) Limited	on mkt buy	4.95	AUD	ord	25,646	25,646
21-Nov-17	BlackRock Advisors (UK) Limited	on mkt buy	4.96	AUD	ord	2,208	2,208
21-Nov-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	5,050	5,050
22-Nov-17	BlackRock Advisors (UK) Limited	on mkt sell	4.98	AUD	ord	-32,745	-32,745
22-Nov-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	11,455	11,455
23-Nov-17	BlackRock Investment Management (Australia) Limited	on mkt sell	4.92	AUD	ord	-12,771	-12,771
23-Nov-17	BlackRock Advisors (UK) Limited	on mkt sell	4.91	AUD	ord	-3,444	-3,444
24-Nov-17	BlackRock Investment Management (Australia) Limited	on mkt buy	4.84	AUD	ord	22,281	22,281

Date of Change	Person whose relevant interest changed	Nature of change (6) / Consideration given in relation to change (7)		CCY	Class and number of securities affected		Person's votes affected
24-Nov-17	BlackRock Advisors (UK) Limited	on mkt buy	4.84	AUD	ord	1,030	1,030
24-Nov-17	BlackRock Advisors (UK) Limited	on mkt buy	4.84	AUD	ord	688	688
24-Nov-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	10,986	10,986
24-Nov-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	10,264	10,264
27-Nov-17	BlackRock Investment Management (Australia) Limited	on mkt buy	4.83	AUD	ord	98,800	98,800
27-Nov-17	BlackRock Advisors (UK) Limited	on mkt buy	4.83	AUD	ord	10,212	10,212
27-Nov-17	BlackRock Advisors (UK) Limited	on mkt buy	4.83	AUD	ord	32,775	32,775
27-Nov-17	BlackRock Investment Management (UK) Limited	on mkt sell	4.83	AUD	ord	-3,240	-3,240
28-Nov-17	BlackRock Investment Management (Australia) Limited	on mkt buy	4.87	AUD	ord	106,704	106,704
28-Nov-17	BlackRock Advisors (UK) Limited	on mkt buy	4.87	AUD	ord	262,192	262,192
28-Nov-17	BlackRock Advisors (UK) Limited	on mkt buy	4.87	AUD	ord	410	410
28-Nov-17	BlackRock Institutional Trust Company, National Association	on mkt buy	4.87	AUD	ord	1,202	1,202
28-Nov-17	BlackRock Investment Management (Australia) Limited	on mkt buy	4.87	AUD	ord	13,235	13,235
28-Nov-17	BlackRock Asset Management Canada Limited	on mkt buy	4.87	AUD	ord	213	213
28-Nov-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	7,192	7,192
29-Nov-17	BlackRock Investment Management (Australia) Limited	on mkt buy	4.85	AUD	ord	41,496	41,496
29-Nov-17	BlackRock Institutional Trust Company, National Association	on mkt buy	4.85	AUD	ord	36,886	36,886
29-Nov-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	2,200	2,200
30-Nov-17	BlackRock Fund Advisors	on mkt buy	4.85	AUD	ord	12,155	12,155
30-Nov-17	BlackRock Asset Management Canada Limited	on mkt sell	4.85	AUD	ord	-2,230	-2,230
30-Nov-17	BlackRock Investment Management (UK) Limited	on mkt buy	4.85	AUD	ord	6,128	6,128
30-Nov-17	BlackRock International Limited	on mkt buy	4.85	AUD	ord	19,645	19,645
30-Nov-17	BlackRock Asset Management Canada Limited	on mkt buy	4.85	AUD	ord	625	625
30-Nov-17	BlackRock Advisors (UK) Limited	on mkt buy	4.85	AUD	ord	8,512	8,512
30-Nov-17	BlackRock Investment Management, LLC	on mkt sell	4.85	AUD	ord	-11,727	-11,727
30-Nov-17	BlackRock Fund Advisors	on mkt sell	4.85	AUD	ord	-26,680	-26,680
30-Nov-17	BlackRock Asset Management Canada Limited	on mkt sell	4.85	AUD	ord	-1,408	-1,408
30-Nov-17	BlackRock Advisors (UK) Limited	on mkt sell	4.85	AUD	ord	-1,765	-1,765
30-Nov-17	BlackRock Institutional Trust Company, National Association	on mkt sell	4.85	AUD	ord	-38,942	-38,942
30-Nov-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	8,080	8,080
01-Dec-17	BlackRock Advisors (UK) Limited	on mkt sell	4.92	AUD	ord	-210	-210
01-Dec-17	BlackRock Advisors (UK) Limited	on mkt sell	4.92	AUD	ord	-32,773	-32,773
04-Dec-17	BlackRock Advisors (UK) Limited	on mkt sell	4.85	AUD	ord	-5,169	-5,169
04-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt buy	4.85	AUD	ord	24,213	24,213
04-Dec-17	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ord	-3,438	-3,438
04-Dec-17	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ord	-12,589	-12,589
05-Dec-17	BlackRock Investment Management (UK) Limited	on mkt sell	4.82	AUD	ord	-6,057	-6,057
05-Dec-17	BlackRock Institutional Trust Company, National Association	on mkt sell	4.86	AUD	ord	-8,482	-8,482
05-Dec-17	BlackRock Advisors (UK) Limited	on mkt buy	4.87	AUD	ord	1,701	1,701
05-Dec-17	BlackRock Advisors (UK) Limited	on mkt buy	4.87	AUD	ord	1,376	1,376
05-Dec-17	BlackRock Investment Management (UK) Limited	on mkt buy	4.87	AUD	ord	12,518	12,518
06-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt buy	4.91	AUD	ord	5,928	5,928
06-Dec-17	BlackRock Advisors (UK) Limited	on mkt buy	4.91	AUD	ord	1,030	1,030
06-Dec-17	BlackRock Advisors (UK) Limited	on mkt buy	4.91	AUD	ord	618	618
06-Dec-17	BlackRock Advisors (UK) Limited	on mkt buy	4.91	AUD	ord	344	344
06-Dec-17	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ord	1,441	1,441
07-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	1,798	1,798
07-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	2,466	2,466
08-Dec-17	BlackRock Financial Management, Inc.	in specie	n/a	AUD	ord	6,523	6,523
08-Dec-17	BlackRock Advisors (UK) Limited	on mkt sell	5.12	AUD	ord	-32,778	-32,778
08-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	3,016	3,016
08-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	4,524	4,524

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08-Dec-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	3,438	3,438
08-Dec-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	12,589	12,589
11-Dec-17	BlackRock Investment Management, LLC	on mkt buy	5.09	AUD	ord	323	323
11-Dec-17	BlackRock Advisors, LLC	on mkt sell	5.16	AUD	ord	-105	-105
11-Dec-17	BlackRock Advisors (UK) Limited	on mkt sell	5.22	AUD	ord	-1,723	-1,723
11-Dec-17	BlackRock Institutional Trust Company, National Association	on mkt buy	5.22	AUD	ord	125,861	125,861
11-Dec-17	BlackRock Advisors (UK) Limited	on mkt sell	5.22	AUD	ord	-1,723	-1,723
11-Dec-17	BlackRock Advisors (UK) Limited	on mkt buy	5.22	AUD	ord	696	696
11-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	2,466	2,466
12-Dec-17	BlackRock Advisors (UK) Limited	on mkt buy	5.33	AUD	ord	6,804	6,804
12-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	-18,950	-18,950
13-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt buy	5.22	AUD	ord	1,027	1,027
13-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt buy	5.16	AUD	ord	15,362	15,362
13-Dec-17	BlackRock Advisors (UK) Limited	on mkt sell	5.22	AUD	ord	-1,722	-1,722
13-Dec-17	BlackRock Advisors (UK) Limited	on mkt buy	5.17	AUD	ord	3,914	3,914
13-Dec-17	BlackRock Advisors (UK) Limited	on mkt sell	5.17	AUD	ord	-39,675	-39,675
13-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt buy	5.17	AUD	ord	53,243	53,243
13-Dec-17	BlackRock Investment Management, LLC	on mkt buy	5.17	AUD	ord	30,564	30,564
13-Dec-17	BlackRock Advisors (UK) Limited	on mkt sell	5.17	AUD	ord	-30,564	-30,564
13-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	-3,596	-3,596
13-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	-11,370	-11,370
13-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt sell	5.17	AUD	ord	-142,843	-142,843
13-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt buy	5.17	AUD	ord	142,843	142,843
13-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt sell	5.17	AUD	ord	-95,126	-95,126
14-Dec-17	BlackRock Fund Advisors	on mkt buy	5.20	AUD	ord	807	807
14-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt buy	5.16	AUD	ord	692,994	692,994
14-Dec-17	BlackRock Advisors (UK) Limited	on mkt sell	5.15	AUD	ord	-8,610	-8,610
14-Dec-17	BlackRock Advisors (UK) Limited	on mkt buy	5.17	AUD	ord	5,465	5,465
14-Dec-17	BlackRock Advisors (UK) Limited	on mkt buy	5.17	AUD	ord	9,751	9,751
14-Dec-17	BlackRock Fund Advisors	on mkt buy	5.17	AUD	ord	294,420	294,420
14-Dec-17	BlackRock Asset Management Deutschland AG	on mkt sell	5.17	AUD	ord	-34,899	-34,899
14-Dec-17	BlackRock Advisors (UK) Limited	on mkt sell	5.17	AUD	ord	-368,403	-368,403
14-Dec-17	BlackRock Advisors (UK) Limited	on mkt sell	5.17	AUD	ord	-301,350	-301,350
14-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	7,398	7,398
14-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	4,932	4,932
14-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	14,796	14,796
15-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt buy	5.24	AUD	ord	358,888	358,888
15-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt buy	5.24	AUD	ord	91,986	91,986
15-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt buy	5.24	AUD	ord	92,059	92,059
15-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt buy	5.24	AUD	ord	143,108	143,108
15-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt buy	5.24	AUD	ord	169,645	169,645
15-Dec-17	BlackRock Advisors (UK) Limited	on mkt sell	5.26	AUD	ord	-1,532	-1,532
15-Dec-17	BlackRock Institutional Trust Company, National Association	on mkt buy	5.26	AUD	ord	21,244	21,244
15-Dec-17	BlackRock Financial Management, Inc.	on mkt sell	5.26	AUD	ord	-21,244	-21,244
15-Dec-17	BlackRock Advisors (UK) Limited	on mkt sell	5.26	AUD	ord	-995	-995
15-Dec-17	BlackRock Institutional Trust Company, National Association	on mkt sell	5.26	AUD	ord	-4,911	-4,911
15-Dec-17	BlackRock Investment Management (UK) Limited	on mkt buy	5.26	AUD	ord	3,663	3,663
15-Dec-17	BlackRock Investment Management (UK) Limited	on mkt buy	5.26	AUD	ord	834	834
15-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt buy	5.26	AUD	ord	1,707	1,707
15-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt buy	5.26	AUD	ord	1,611	1,611

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15-Dec-17	BlackRock Institutional Trust Company, National Association	on mkt sell	5.26	AUD	ord	-720	-720
15-Dec-17	BlackRock Financial Management, Inc.	on mkt sell	5.26	AUD	ord	-2,509	-2,509
15-Dec-17	BlackRock Asset Management Canada Limited	on mkt buy	5.26	AUD	ord	325	325
15-Dec-17	BlackRock Advisors, LLC	on mkt buy	5.26	AUD	ord	5,620	5,620
15-Dec-17	BlackRock Investment Management (UK) Limited	on mkt buy	5.26	AUD	ord	193,567	193,567
15-Dec-17	BlackRock Investment Management (UK) Limited	on mkt buy	5.26	AUD	ord	44,086	44,086
15-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt buy	5.26	AUD	ord	90,182	90,182
15-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt buy	5.26	AUD	ord	85,198	85,198
15-Dec-17	BlackRock Asset Management Canada Limited	on mkt buy	5.26	AUD	ord	17,210	17,210
15-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	-15,160	-15,160
15-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	9,164	9,164
15-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	6,873	6,873
18-Dec-17	BlackRock Japan Co., Ltd.	on mkt buy	5.34	AUD	ord	72,698	72,698
18-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt buy	5.33	AUD	ord	9,616	9,616
18-Dec-17	BlackRock Advisors (UK) Limited	on mkt sell	5.33	AUD	ord	-1,532	-1,532
18-Dec-17	BlackRock Advisors (UK) Limited	on mkt buy	5.33	AUD	ord	11,914	11,914
18-Dec-17	BlackRock Advisors (UK) Limited	on mkt sell	5.33	AUD	ord	-1,915	-1,915
18-Dec-17	BlackRock Advisors (UK) Limited	on mkt sell	5.33	AUD	ord	-383	-383
18-Dec-17	BlackRock Advisors (UK) Limited	on mkt buy	5.33	AUD	ord	2,211	2,211
18-Dec-17	BlackRock Advisors (UK) Limited	on mkt buy	5.33	AUD	ord	5,836	5,836
18-Dec-17	BlackRock Fund Advisors	on mkt buy	5.33	AUD	ord	9,075	9,075
18-Dec-17	BlackRock Fund Advisors	on mkt sell	5.33	AUD	ord	-3,112	-3,112
18-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	-26,992	-26,992
18-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	-12,699	-12,699
18-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	-2,545	-2,545
18-Dec-17	BlackRock Advisors (UK) Limited	on mkt buy	5.45	AUD	ord	5,302	5,302
18-Dec-17	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ord	-75,758	-75,758
19-Dec-17	BlackRock Asset Management Canada Limited	on mkt buy	5.36	AUD	ord	3,957	3,957
19-Dec-17	BlackRock Fund Advisors	on mkt sell	5.36	AUD	ord	-2,334	-2,334
19-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt buy	5.37	AUD	ord	2,494	2,494
19-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt sell	5.37	AUD	ord	-176,973	-176,973
19-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt sell	5.37	AUD	ord	-46,091	-46,091
19-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt sell	5.37	AUD	ord	-49,781	-49,781
19-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt sell	5.37	AUD	ord	-70,635	-70,635
19-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt buy	5.42	AUD	ord	14,854	14,854
19-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt sell	5.42	AUD	ord	-61,268	-61,268
19-Dec-17	BlackRock Advisors (UK) Limited	on mkt sell	5.42	AUD	ord	-1,030	-1,030
19-Dec-17	BlackRock Advisors (UK) Limited	on mkt sell	5.42	AUD	ord	-3,105	-3,105
19-Dec-17	BlackRock Fund Advisors	on mkt sell	5.42	AUD	ord	-1,248	-1,248
19-Dec-17	BlackRock Advisors (UK) Limited	on mkt sell	5.42	AUD	ord	-48,611	-48,611
19-Dec-17	BlackRock Institutional Trust Company, National Association	on mkt sell	5.42	AUD	ord	-9,583	-9,583
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	6,369	6,369
19-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	6,873	6,873
19-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	-6,748	-6,748
19-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	-37,900	-37,900
19-Dec-17	BlackRock Asset Management Canada Limited	in specie	n/a	AUD	ord	23,197	23,197
19-Dec-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	70,872	70,872
19-Dec-17	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ord	75,758	75,758
19-Dec-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	40,028	40,028
19-Dec-17	BlackRock Japan Co., Ltd.	in specie	n/a	AUD	ord	15,054	15,054

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19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	5,132	5,132
19-Dec-17	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ord	71,086	71,086
19-Dec-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	113,024	113,024
19-Dec-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	845,176	845,176
19-Dec-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	85,340	85,340
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	29,780	29,780
19-Dec-17	BlackRock (Netherlands) B.V.	in specie	n/a	AUD	ord	159,236	159,236
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	18,498	18,498
19-Dec-17	BlackRock Investment Management, LLC	in specie	n/a	AUD	ord	148,454	148,454
19-Dec-17	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ord	13,066	13,066
19-Dec-17	BlackRock Asset Management Canada Limited	in specie	n/a	AUD	ord	4,592	4,592
19-Dec-17	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ord	92,071	92,071
19-Dec-17	BlackRock Advisors, LLC	in specie	n/a	AUD	ord	722,427	722,427
19-Dec-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	28,439	28,439
19-Dec-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	6,459	6,459
19-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	1,509	1,509
19-Dec-17	BlackRock Japan Co., Ltd.	in specie	n/a	AUD	ord	71,881	71,881
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	18,631	18,631
19-Dec-17	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ord	5,490	5,490
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	41,425	41,425
19-Dec-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	71,432	71,432
19-Dec-17	BlackRock Financial Management, Inc.	in specie	n/a	AUD	ord	24,856	24,856
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	15,487	15,487
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	16,627	16,627
19-Dec-17	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ord	18,816	18,816
19-Dec-17	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ord	66,120	66,120
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	1,102,416	1,102,416
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	53,481	53,481
19-Dec-17	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ord	5,887	5,887
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	21,097	21,097
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	21,241	21,241
19-Dec-17	BlackRock Japan Co., Ltd.	in specie	n/a	AUD	ord	1,163,284	1,163,284
19-Dec-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	35,985	35,985
19-Dec-17	BlackRock Investment Management, LLC	in specie	n/a	AUD	ord	61,105	61,105
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	367,061	367,061
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	97,213	97,213
19-Dec-17	BlackRock Asset Management Canada Limited	in specie	n/a	AUD	ord	28,704	28,704
19-Dec-17	BlackRock Investment Management, LLC	in specie	n/a	AUD	ord	110,502	110,502
19-Dec-17	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ord	3,112	3,112
19-Dec-17	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ord	380,648	380,648
19-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	23,648	23,648
19-Dec-17	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ord	377,500	377,500
19-Dec-17	BlackRock International Limited	in specie	n/a	AUD	ord	361,768	361,768
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	170,786	170,786
19-Dec-17	BlackRock (Netherlands) B.V.	in specie	n/a	AUD	ord	50,459	50,459
19-Dec-17	BlackRock Japan Co., Ltd.	in specie	n/a	AUD	ord	1,404	1,404

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19-Dec-17	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ord	386,837	386,837
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	1,612,025	1,612,025
19-Dec-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	4,861	4,861
19-Dec-17	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ord	8,862	8,862
19-Dec-17	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ord	360,289	360,289
19-Dec-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	8,161	8,161
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	48,772	48,772
19-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	21,341	21,341
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	196,559	196,559
19-Dec-17	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ord	531,288	531,288
19-Dec-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	65,706	65,706
19-Dec-17	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ord	73,084	73,084
19-Dec-17	BlackRock Investment Management, LLC	in specie	n/a	AUD	ord	12,592	12,592
19-Dec-17	BlackRock Advisors, LLC	in specie	n/a	AUD	ord	51,274	51,274
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	18,644	18,644
19-Dec-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	383,927	383,927
19-Dec-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	206,890	206,890
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	78,573	78,573
19-Dec-17	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ord	213,360	213,360
19-Dec-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	8,225	8,225
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	52,036	52,036
19-Dec-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	156,789	156,789
19-Dec-17	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ord	1,706,525	1,706,525
19-Dec-17	BlackRock Asset Management North Asia Limited	in specie	n/a	AUD	ord	1,594	1,594
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	83,378	83,378
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	52,126	52,126
19-Dec-17	BlackRock Investment Management, LLC	in specie	n/a	AUD	ord	136,432	136,432
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	12,980	12,980
19-Dec-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	162,686	162,686
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	311,700	311,700
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	339,461	339,461
19-Dec-17	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ord	1,470,440	1,470,440
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	11,334	11,334
19-Dec-17	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ord	262,044	262,044
19-Dec-17	BlackRock Japan Co., Ltd.	in specie	n/a	AUD	ord	1,820	1,820
19-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	165,913	165,913
19-Dec-17	BlackRock Investment Management, LLC	in specie	n/a	AUD	ord	316,679	316,679
19-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	2,743,016	2,743,016
19-Dec-17	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ord	154,542	154,542
19-Dec-17	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ord	834,149	834,149
19-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	56,888	56,888
19-Dec-17	BlackRock Advisors, LLC	in specie	n/a	AUD	ord	10,642	10,642
19-Dec-17	BlackRock Asset Management Canada Limited	in specie	n/a	AUD	ord	21,579	21,579
19-Dec-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	7,611	7,611

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19-Dec-17	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ord	975,129	975,129
19-Dec-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	106,876	106,876
19-Dec-17	BlackRock Asset Management Canada Limited	in specie	n/a	AUD	ord	7,761	7,761
19-Dec-17	BlackRock Investment Management, LLC	in specie	n/a	AUD	ord	23,789	23,789
19-Dec-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	26,885	26,885
19-Dec-17	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ord	428,837	428,837
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	3,520	3,520
19-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	2,752,963	2,752,963
19-Dec-17	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ord	16,092	16,092
19-Dec-17	BlackRock Asset Management Canada Limited	in specie	n/a	AUD	ord	79,530	79,530
19-Dec-17	BlackRock Investment Management, LLC	in specie	n/a	AUD	ord	14,068	14,068
19-Dec-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	530,994	530,994
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	58,194	58,194
19-Dec-17	BlackRock Advisors, LLC	in specie	n/a	AUD	ord	16,624	16,624
19-Dec-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	69,341	69,341
19-Dec-17	BlackRock Investment Management, LLC	in specie	n/a	AUD	ord	62,800	62,800
19-Dec-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	33,251	33,251
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	3,261	3,261
19-Dec-17	BlackRock Investment Management, LLC	in specie	n/a	AUD	ord	4,625	4,625
19-Dec-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	802,693	802,693
19-Dec-17	BlackRock Japan Co., Ltd.	in specie	n/a	AUD	ord	1,712	1,712
19-Dec-17	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ord	133,384	133,384
19-Dec-17	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ord	44,389	44,389
19-Dec-17	BlackRock Financial Management, Inc.	in specie	n/a	AUD	ord	8,256	8,256
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	44,982	44,982
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	362,063	362,063
19-Dec-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	178,555	178,555
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	21,739	21,739
19-Dec-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	330,470	330,470
19-Dec-17	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ord	30,964	30,964
19-Dec-17	BlackRock Investment Management, LLC	in specie	n/a	AUD	ord	70,552	70,552
19-Dec-17	BlackRock Asset Management Canada Limited	in specie	n/a	AUD	ord	4,080	4,080
19-Dec-17	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ord	85,228	85,228
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	139,870	139,870
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	114,140	114,140
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	16,808	16,808
19-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	1,987,133	1,987,133
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	803,770	803,770
19-Dec-17	BlackRock Asset Management North Asia Limited	in specie	n/a	AUD	ord	5,700	5,700
19-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	5,502	5,502
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	6,875	6,875
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	25,693	25,693
19-Dec-17	BlackRock Asset Management Canada Limited	in specie	n/a	AUD	ord	21,458	21,458
19-Dec-17	BlackRock Japan Co., Ltd.	in specie	n/a	AUD	ord	5,856	5,856

Date of Change	Person whose relevant interest changed	Nature of change (6) / Consideration given in relation to change (7)		CCY	Class and number of securities affected		Person's votes affected
19-Dec-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	4,764	4,764
19-Dec-17	BlackRock Asset Management North Asia Limited	in specie	n/a	AUD	ord	788	788
19-Dec-17	BlackRock Asset Management Canada Limited	in specie	n/a	AUD	ord	373,604	373,604
19-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	355,896	355,896
19-Dec-17	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ord	5,660	5,660
19-Dec-17	BlackRock Financial Management, Inc.	in specie	n/a	AUD	ord	25,413	25,413
19-Dec-17	BlackRock Investment Management, LLC	in specie	n/a	AUD	ord	7,188	7,188
19-Dec-17	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ord	706,286	706,286
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	3,358,371	3,358,371
19-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	591,106	591,106
19-Dec-17	BlackRock Japan Co., Ltd.	in specie	n/a	AUD	ord	18,233	18,233
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	87,016	87,016
19-Dec-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	45,910	45,910
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	104,846	104,846
19-Dec-17	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ord	1,888	1,888
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	530,957	530,957
19-Dec-17	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ord	768,492	768,492
19-Dec-17	BlackRock Asset Management Canada Limited	in specie	n/a	AUD	ord	23,257	23,257
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	8,074	8,074
19-Dec-17	BlackRock Investment Management, LLC	in specie	n/a	AUD	ord	51,654	51,654
19-Dec-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	50,152	50,152
19-Dec-17	BlackRock (Netherlands) B.V.	in specie	n/a	AUD	ord	17,151	17,151
19-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	27,268	27,268
19-Dec-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	78,812	78,812
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	417,867	417,867
19-Dec-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	24,648	24,648
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	2,816,248	2,816,248
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	1,920,848	1,920,848
19-Dec-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	17,636	17,636
19-Dec-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	212,669	212,669
19-Dec-17	BlackRock Asset Management Canada Limited	in specie	n/a	AUD	ord	1,806	1,806
19-Dec-17	BlackRock Asset Management North Asia Limited	in specie	n/a	AUD	ord	9,256	9,256
19-Dec-17	BlackRock Investment Management, LLC	in specie	n/a	AUD	ord	234,592	234,592
19-Dec-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	37,065	37,065
19-Dec-17	BlackRock Investment Management, LLC	in specie	n/a	AUD	ord	128,908	128,908
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	44,150	44,150
19-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	24,502	24,502
19-Dec-17	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ord	518,850	518,850
19-Dec-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	105,528	105,528
19-Dec-17	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ord	9,099	9,099
19-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	278,328	278,328

Date of Change	Person whose relevant interest changed	Nature of change (6) / Consideration given in relation to change (7)		CCY	Class and number of securities affected		Person's votes affected
19-Dec-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	13,504	13,504
19-Dec-17	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ord	39,911	39,911
19-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	5,871,016	5,871,016
19-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	88,356	88,356
19-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	165,300	165,300
19-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ord	1,852,330	1,852,330
19-Dec-17	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ord	177,688	177,688
19-Dec-17	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ord	1,391,443	1,391,443

21-Dec-17

Kayla Mulvihill,
Authorised Signatory

Date

4. Details of present registered holders

Holder of Relevant Interests	Registered Holder of Securities	Person entitled to be registered as holder (8)	Nature of Relevant Interest (6)	Class and number of Securities	Person's votes	Nature of Association
BlackRock (Netherlands) B.V.	BNYM-BANK OF NY BRUS		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 32,119	32,119	Subsidiary of BlackRock, Inc.
BlackRock (Netherlands) B.V.	JPM-JP MORGAN CHASE - NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 90,923	90,923	Subsidiary of BlackRock, Inc.
BlackRock (Netherlands) B.V.	SSB-SSB NEW YORK INSTITUTIONAL		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 285,138	285,138	Subsidiary of BlackRock, Inc.
BlackRock Advisors (UK) Limited	BNYM-BONY EUROPE - LONDON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 3,045,828	3,045,828	Subsidiary of BlackRock, Inc.
BlackRock Advisors (UK) Limited	JPM - J.P. Morgan Zurich Limited		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 103,297	103,297	Subsidiary of BlackRock, Inc.
BlackRock Advisors (UK) Limited	JPM-JPM CHASE - LONDON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 1,411,192	1,411,192	Subsidiary of BlackRock, Inc.
BlackRock Advisors (UK) Limited	NT-NORTHERN TRUST UK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 174,104	174,104	Subsidiary of BlackRock, Inc.
BlackRock Advisors (UK) Limited	RBC-DEXIA BIL- LONDON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 465,991	465,991	Subsidiary of BlackRock, Inc.
BlackRock Advisors (UK) Limited	SSB-STATE STREET DUBLIN		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 9,479,040	9,479,040	Subsidiary of BlackRock, Inc.
BlackRock Advisors (UK) Limited	STATE STREET BANK, MUNICH, ZURICH BRANCH		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 14,908	14,908	Subsidiary of BlackRock, Inc.
BlackRock Advisors, LLC	BNYM-THE BANK OF NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 17,740	17,740	Subsidiary of BlackRock, Inc.
BlackRock Advisors, LLC	JPM-JP MORGAN CHASE - NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 18,002	18,002	Subsidiary of BlackRock, Inc.
BlackRock Advisors, LLC	SSB-STATE STREET MUTUAL FUNDS - BOSTON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 1,363,786	1,363,786	Subsidiary of BlackRock, Inc.
BlackRock Asset Management Canada Limited	NT-NORTHERN TRUST CO. - CHICAGO		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 111,974	111,974	Subsidiary of BlackRock, Inc.
BlackRock Asset Management Canada Limited	RBC-ROYAL TRUST - TORONTO		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 6,530	6,530	Subsidiary of BlackRock, Inc.
BlackRock Asset Management Canada Limited	SSB-SSB NEW YORK INSTITUTIONAL		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 48,063	48,063	Subsidiary of BlackRock, Inc.

Holder of Relevant Interests	Registered Holder of Securities	Person entitled to be registered as holder (8)	Nature of Relevant Interest (6)	Class and number of Securities	Person's votes	Nature of Association
BlackRock Asset Management Canada Limited	SSB-STATE STREET SACRAMENTO		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 948,607	948,607	Subsidiary of BlackRock, Inc.
BlackRock Asset Management Deutschland AG	SSB-STATE STREET BANK, GERMANY		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 3,521,042	3,521,042	Subsidiary of BlackRock, Inc.
BlackRock Asset Management North Asia Limited	CITI-CITIBANK, HONG KONG		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 10,677	10,677	Subsidiary of BlackRock, Inc.
BlackRock Asset Management North Asia Limited	HSBC-HSBC, HONG KONG		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 9,761	9,761	Subsidiary of BlackRock, Inc.
BlackRock Asset Management North Asia Limited	Northern Trust Singapore		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 2,733	2,733	Subsidiary of BlackRock, Inc.
BlackRock Financial Management, Inc.	BBH-BROWN BROTHERS HARRIMAN & CO - NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 43,005	43,005	Subsidiary of BlackRock, Inc.
BlackRock Financial Management, Inc.	BNYM-THE BANK OF NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 35,272	35,272	Subsidiary of BlackRock, Inc.
BlackRock Financial Management, Inc.	SSB-STATE STREET BANK & TRUST TORONTO		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 14,779	14,779	Subsidiary of BlackRock, Inc.
BlackRock Fund Advisors	SSB-SSB NEW YORK INSTITUTIONAL		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 80,130	80,130	Subsidiary of BlackRock, Inc.
BlackRock Fund Advisors	SSB-STATE STREET BANK, BOSTON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 283,391	283,391	Subsidiary of BlackRock, Inc.
BlackRock Fund Advisors	SSB-STATE STREET MUTUAL FUNDS - BOSTON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 111,286	111,286	Subsidiary of BlackRock, Inc.
BlackRock Fund Advisors	SSB-STATE STREET SACRAMENTO		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 30,802,492	30,802,492	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	BNP PARIBAS LON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 135,396	135,396	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	BNYM-THE BANK OF NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 1,896,797	1,896,797	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	JPM-JP MORGAN CHASE - NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 456,307	456,307	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	NT-NORTHERN TRUST CO. - CHICAGO		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 573,510	573,510	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	RBC-ROYAL TRUST - TORONTO		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 20,280	20,280	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	SSB-SSB BOSTON INSTITUTIONAL		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 51,053	51,053	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	SSB-SSB NEW YORK INSTITUTIONAL		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 1,375,751	1,375,751	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	SSB-STATE STATE HONG KONG		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 747,640	747,640	Subsidiary of BlackRock, Inc.

Holder of Relevant Interests	Registered Holder of Securities	Person entitled to be registered as holder (8)	Nature of Relevant Interest (6)	Class and number of Securities	Person's votes	Nature of Association
BlackRock Institutional Trust Company, National Association	SSB-STATE STREET BANK, BOSTON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 74,783	74,783	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	SSB-STATE STREET SACRAMENTO		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 23,564,341	23,564,341	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	UBS- UBS- ZURICH		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 16,339	16,339	Subsidiary of BlackRock, Inc.
BlackRock International Limited	NT-NORTHERN TRUST UK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 660,195	660,195	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	HSBC-HSBC SYDNEY		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 332,641	332,641	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	JPM-JPM CHASE - SYDNEY		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 4,889,939	4,889,939	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	NAB-NATIONAL AUSTRALIA BANK LIMITED - MELBOURNE		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 5,177,492	5,177,492	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	Northern Trust Singapore		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 1,464,295	1,464,295	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	AP7		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 270,915	270,915	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	BNP PARIBAS LUX		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 13,374	13,374	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	BNP-BNP Paribas Milan		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 60,047	60,047	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	BNYM-BANK OF NY BRUS		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 934,116	934,116	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	BNYM-BONY EUROPE - LONDON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 960,703	960,703	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	BNYM-BONY LUXEMBOURG		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 8,492	8,492	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	CITI-CITIBANK, LONDON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 1,835,674	1,835,674	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	HSBC-HSBC - LONDON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 751,994	751,994	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	JPM-JP MORGAN CHASE - NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 122,750	122,750	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	KAS-KAS BANK - AMSTERDAM		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 150,872	150,872	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	NT-NORTHERN TRUST CO. - CHICAGO		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 162,626	162,626	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	NT-NORTHERN TRUST UK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 1,616,364	1,616,364	Subsidiary of BlackRock, Inc.

Holder of Relevant Interests	Registered Holder of Securities	Person entitled to be registered as holder (8)	Nature of Relevant Interest (6)	Class and number of Securities	Person's votes	Nature of Association
BlackRock Investment Management (UK) Limited	SEB-SKANDINAVISKA ENSKILDA BANKEN		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 65,080	65,080	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	SSB-STATE STATE HONG KONG		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 90,617	90,617	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	SSB-STATE STREET BANK LUXEMBOURG		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 446,033	446,033	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	SSB-STATE STREET BANK, GERMANY		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 161,015	161,015	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	SSB-STATE STREET LONDON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 1,727,324	1,727,324	Subsidiary of BlackRock, Inc.
BlackRock Investment Management, LLC	BNYM-BONY LUXEMBOURG		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 40,868	40,868	Subsidiary of BlackRock, Inc.
BlackRock Investment Management, LLC	BNYM-THE BANK OF NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 1,252,085	1,252,085	Subsidiary of BlackRock, Inc.
BlackRock Investment Management, LLC	JPM-JP MORGAN CHASE - NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 1,181,426	1,181,426	Subsidiary of BlackRock, Inc.
BlackRock Investment Management, LLC	USB-US BANK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 42,552	42,552	Subsidiary of BlackRock, Inc.
BlackRock Japan Co., Ltd.	BBH-BROWN BROTHERS HARRIMAN & CO - NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 26,172	26,172	Subsidiary of BlackRock, Inc.
BlackRock Japan Co., Ltd.	JPM-JP MORGAN CHASE - NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 2,260,760	2,260,760	Subsidiary of BlackRock, Inc.
BlackRock Japan Co., Ltd.	SSB-STATE STREET BANK, BOSTON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 30,888	30,888	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	CITI-Citigroup Australia - SYDNEY		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager.	ord 18,893	18,893	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	JPM-JPM CHASE - SYDNEY		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager.	ord 990,515	990,515	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	NAB-NATIONAL AUSTRALIA BANK LIMITED - MELBOURNE		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager.	ord 1,096,889	1,096,889	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	JPM-JPM CHASE - SYDNEY		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as responsible entity.	ord 5,795,151	5,795,151	Subsidiary of BlackRock, Inc.

Annexure C

This is Annexure C of 1 page referred to in form 604 Notice of change of interests of substantial shareholder

Kayla Mulvihill, Authorised Signatory	21-Dec-17 Date
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7. Addresses

The addresses of persons named in this form are as follows:

Name	Address
BlackRock Group	
BlackRock Inc.	55 East 52nd Street New York NY 10055 USA
BlackRock (Netherlands) B.V.	Rembrandt Tower, 17th floor Amstelplein Amsterdam Netherlands
BlackRock Advisors (UK) Limited	12 Throgmorton Avenue. London, EC2N 2DL, United Kingdom
BlackRock Advisors, LLC	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States
BlackRock Asset Management Canada Limited	161 Bay Street, Suite 2500 Toronto, Ontario M5J 2S1 Canada
BlackRock Asset Management Deutschland AG	Max-Joseph-Straße 6 D-80333 Munich, Germany
BlackRock Asset Management North Asia Limited	15/F, 16/F, 17/F Citibank Tower & 17/F ICBC Tower, 3 Garden Road, Central, Hong Kong
BlackRock Financial Management, Inc.	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States
BlackRock Fund Advisors	400 Howard Street San Francisco, CA, 94105 United States
BlackRock Institutional Trust Company, National Association	1225 17th Street, Suite 300, Denver, CO 80202 (Colorado, USA)
BlackRock International Limited	Exchange Place One, 1 Semple Street, Edinburgh, EH3 8BL, United Kingdom (Scotland, United Kingdom)
BlackRock Investment Management (Australia) Limited	Level 26, 101 Collins Street Melbourne VIC 3000 Australia (Victoria, Australia)
BlackRock Investment Management (UK) Limited	12 Throgmorton Avenue London EC2N 2DL United Kingdom
BlackRock Investment Management, LLC	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States
BlackRock Japan Co., Ltd.	Marunouchi Trust Tower Main, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-8217 (Japan)