

Form 603Corporations Act 2001
Section 671B**Notice of initial substantial holder**To Company Name/Scheme QANTAS AIRWAYS LTDACN/ARSN 009 661 901**1. Details of substantial holder (1)**Name BlackRock Group (BlackRock Inc. and subsidiaries named in Annexures
ACN/ARSN (if applicable) to this form)The holder became a substantial holder on 07 / 03 / 2023**2. Details of voting power**

The total number of votes attached to all the voting shares in the company or voting interests in the scheme that the substantial holder or an associate (2) had a relevant interest (3) in on the date the substantial holder became a substantial holder are as follows:

Class of securities (4)	Number of securities	Person's votes (5)	Voting power (6)
ORD	94,109,964	94,109,964	5.18
ADR 1:5	1,173	5,865	0.00

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
Annexure A & D		

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
see Annexure A			

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
		Cash	Non-cash	
see Annexure B				

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
see Annexure A	

7. Addresses

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

Name	Address
see Annexure C	

Signature

print name Shawna Reese

capacity Authorised Signatory*

sign here

date 09 / 03 / 2023

* At a meeting of the Board on 22 November 2013, the Directors resolved to approve the delegation of the preparation and lodgement of substantial shareholder notices on behalf of BlackRock Investment Management (Australia) Limited.

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 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, 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.

09-Mar-23

Shawna Reese,
Authorised Signatory

Date

3. Details of Relevant Interests

4. Details of present registered holders

6. Associates

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
APERIO GROUP LLC	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, responsible entity or trustee.	BOA-MERRILL LYNCH INTL PRIME BROKER - NEW YORK		ADR 1:5 1,173	5,865	subsidiary of BlackRock Inc.
APERIO GROUP LLC	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, responsible entity or trustee.	BOA-MERRILL LYNCH INTL PRIME BROKER - NEW YORK		ORD 194,007	194,007	subsidiary of BlackRock Inc.
BlackRock (Singapore) Limited	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, responsible entity or trustee.	BNYM-BONY LUXEMBOURG		ORD 499,777	499,777	subsidiary of BlackRock Inc.
BlackRock (Singapore) Limited	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, responsible entity or trustee.	SSB-SSB NEW YORK INSTITUTIONAL		ORD 153,889	153,889	subsidiary of BlackRock Inc.
BlackRock (Singapore) Limited	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, responsible entity or trustee.	SSB-STATE STREET SINGAPORE		ORD 1,128	1,128	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	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, responsible entity or trustee.	BNYM-BANK OF NY BRUS		ORD 71,673	71,673	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	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, responsible entity or trustee.	BNYM-BONY EUROPE		ORD 493,973	493,973	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	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, responsible entity or trustee.	JPM-JPM CHASE - LONDON		ORD 3,658,627	3,658,627	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities		Person's votes	Nature of Association
BlackRock Advisors (UK) Limited	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, reponsible entity or trustee.	NT-NORTHERN TRUST UK		ORD	253,635	253,635	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	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, reponsible entity or trustee.	SSB-STATE STREET DUBLIN		ORD	5,477,173	5,477,173	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	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, reponsible entity or trustee.	STATE STREET BANK, MUNICH, ZURICH BRANCH		ORD	29,638	29,638	subsidiary of BlackRock Inc.
BlackRock Advisors, LLC	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, reponsible entity or trustee.	BBH-BROWN BROTHERS HARRIMAN & CO		ORD	499,103	499,103	subsidiary of BlackRock Inc.
BlackRock Advisors, LLC	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, reponsible entity or trustee.	BNYM-THE BANK OF NEW YORK		ORD	376,108	376,108	subsidiary of BlackRock Inc.
BlackRock Advisors, LLC	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, reponsible entity or trustee.	JPM-JP MORGAN CHASE		ORD	133,076	133,076	subsidiary of BlackRock Inc.
BlackRock Advisors, LLC	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, reponsible entity or trustee.	SSB-STATE STREET MUTUAL FUNDS		ORD	538,320	538,320	subsidiary of BlackRock Inc.
BlackRock Asset Management Canada Limited	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, reponsible entity or trustee.	BNYM-CIBC MELLON GLOBAL SECURITIES		ORD	297,301	297,301	subsidiary of BlackRock Inc.
BlackRock Asset Management Canada Limited	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, reponsible entity or trustee.	BNYM-THE BANK OF NEW YORK		ORD	4,566	4,566	subsidiary of BlackRock Inc.
BlackRock Asset Management Canada Limited	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, reponsible entity or trustee.	JPM-JP MORGAN CHASE		ORD	472,407	472,407	subsidiary of BlackRock Inc.
BlackRock Asset Management Canada Limited	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, reponsible entity or trustee.	SSB-SSB NEW YORK INSTITUTIONAL		ORD	43,040	43,040	subsidiary of BlackRock Inc.
BlackRock Asset Management Canada Limited	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, reponsible entity or trustee.	SSB-STATE STREET SACRAMENTO		ORD	225,959	225,959	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock Asset Management North Asia Limited	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, reponsible entity or trustee.	BNYM-BANK OF NY BRUS		ORD 14,133	14,133	subsidiary of BlackRock Inc.
BlackRock Asset Management North Asia Limited	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, reponsible entity or trustee.	BNYM-BONY LUXEMBOURG		ORD 33,018	33,018	subsidiary of BlackRock Inc.
BlackRock Asset Management North Asia Limited	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, reponsible entity or trustee.	CITI-CITIBANK, HONG KONG		ORD 11,791	11,791	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	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, reponsible entity or trustee.	BBH-BROWN BROTHERS HARRIMAN & CO		ORD 16,157	16,157	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	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, reponsible entity or trustee.	BNYM-BONY LUXEMBOURG		ORD 266,104	266,104	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	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, reponsible entity or trustee.	BNYM-THE BANK OF NEW YORK		ORD 423,723	423,723	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	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, reponsible entity or trustee.	HSBC-HSBC, HONG KONG		ORD 10,937	10,937	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	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, reponsible entity or trustee.	JPM-JP MORGAN CHASE		ORD 83,449	83,449	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	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, reponsible entity or trustee.	NT-NORTHERN TRUST CO.		ORD 29,579	29,579	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	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, reponsible entity or trustee.	NT-NORTHERN TRUST UK		ORD 16,030	16,030	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	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, reponsible entity or trustee.	SSB-STATE STATE HONG KONG		ORD 641,929	641,929	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	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, reponsible entity or trustee.	SSB-STATE STREET BANK & TRUST TORONTO		ORD 5,191	5,191	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities		Person's votes	Nature of Association
BlackRock Fund Advisors	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, reponsible entity or trustee.	SSB-STATE STREET BANK, BOSTON		ORD	229,598	229,598	subsidiary of BlackRock Inc.
BlackRock Fund Advisors	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, reponsible entity or trustee.	SSB-STATE STREET MUTUAL FUNDS		ORD	62,036	62,036	subsidiary of BlackRock Inc.
BlackRock Fund Advisors	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, reponsible entity or trustee.	SSB-STATE STREET SACRAMENTO		ORD	14,757,460	14,757,460	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	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, reponsible entity or trustee.	BNP PRIME CUSTODY US		ORD	118,215	118,215	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	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, reponsible entity or trustee.	BNYM-BANK OF NY BRUS		ORD	837,789	837,789	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	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, reponsible entity or trustee.	BNYM-THE BANK OF NEW YORK		ORD	534,590	534,590	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	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, reponsible entity or trustee.	BOA-MERRILL LYNCH INTL PRIME BROKER		ORD	122,493	122,493	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	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, reponsible entity or trustee.	CITI-CITIGROUP GLOBAL MARKETS PRIME BROKERAGE		ORD	34,276	34,276	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	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, reponsible entity or trustee.	JPM-JP MORGAN CHASE		ORD	14,321,697	14,321,697	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	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, reponsible entity or trustee.	MS-MORGAN STANLEY & CO INC		ORD	7,774	7,774	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	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, reponsible entity or trustee.	NT-NORTHERN TRUST CO.		ORD	185,664	185,664	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	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, reponsible entity or trustee.	SSB-SSB NEW YORK INSTITUTIONAL		ORD	456,178	456,178	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock Institutional Trust Company, National Association	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, reponsible entity or trustee.	SSB-STATE STATE HONG KONG		ORD 55,648	55,648	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	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, reponsible entity or trustee.	SSB-STATE STREET SACRAMENTO		ORD 1,856	1,856	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	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, reponsible entity or trustee.	UBS-UBS		ORD 100,971	100,971	subsidiary of BlackRock Inc.
BlackRock International Limited	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, reponsible entity or trustee.	JPM-JP MORGAN CHASE		ORD 164,281	164,281	subsidiary of BlackRock Inc.
BlackRock International Limited	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, reponsible entity or trustee.	NT-NORTHERN TRUST UK		ORD 194,239	194,239	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	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, reponsible entity or trustee.	BBH-BROWN BROTHERS HARRIMAN & CO		ORD 5,763	5,763	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	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, reponsible entity or trustee.	BNP-BNP PARIBAS AUSTRALIA - COGENT		ORD 285,456	285,456	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	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, reponsible entity or trustee.	BOA-MERRILL LYNCH INTL PRIME BROKER		ORD 49,153	49,153	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	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, reponsible entity or trustee.	CITI-CITIBANK, HONG KONG		ORD 3,530,183	3,530,183	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	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, reponsible entity or trustee.	CITI-Citigroup Australia		ORD 468,983	468,983	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	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, reponsible entity or trustee.	HSBC-HSBC SYDNEY		ORD 3,110,716	3,110,716	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	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, reponsible entity or trustee.	JPM-JPM CHASE - SYDNEY		ORD 12,808,107	12,808,107	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities		Person's votes	Nature of Association
BlackRock Investment Management (Australia) Limited	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, reponsible entity or trustee.	NAB-NATIONAL AUSTRALIA BANK LIMITED		ORD	7,344,255	7,344,255	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	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, reponsible entity or trustee.	Northern Trust Singapore		ORD	1,098,387	1,098,387	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	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, reponsible entity or trustee.	UBS-UBS		ORD	200,633	200,633	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	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, reponsible entity or trustee.	BNP PARIBAS LUX		ORD	6,248	6,248	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	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, reponsible entity or trustee.	BNP-BNP Paribas Milan		ORD	131,624	131,624	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	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, reponsible entity or trustee.	BNYM-BANK OF NY BRUS		ORD	1,456,690	1,456,690	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	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, reponsible entity or trustee.	BNYM-BONY EUROPE		ORD	475,229	475,229	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	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, reponsible entity or trustee.	BNYM-BONY LUXEMBOURG		ORD	1,632,206	1,632,206	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	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, reponsible entity or trustee.	CB-Caceis Bank Amsterdam		ORD	41,609	41,609	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	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, reponsible entity or trustee.	CITI-CITIBANK, LONDON		ORD	970,550	970,550	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	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, reponsible entity or trustee.	CREDIT SUISSE (ZURICH)		ORD	89,858	89,858	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	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, reponsible entity or trustee.	HSBC BANK MIDDLE EAST LIMITED		ORD	13,459	13,459	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities		Person's votes	Nature of Association
BlackRock Investment Management (UK) Limited	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, reponsible entity or trustee.	HSBC-HSBC		ORD	899,910	899,910	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	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, reponsible entity or trustee.	JPM-JP MORGAN CHASE		ORD	37,455	37,455	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	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, reponsible entity or trustee.	JPM-JPM CHASE - LONDON		ORD	151,263	151,263	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	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, reponsible entity or trustee.	Northern Trust Luxembourg		ORD	16,627	16,627	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	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, reponsible entity or trustee.	NT-NORTHERN TRUST UK		ORD	7,668,581	7,668,581	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	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, reponsible entity or trustee.	SSB-SSB NEW YORK INSTITUTIONAL		ORD	882	882	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	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, reponsible entity or trustee.	SSB-STATE STATE HONG KONG		ORD	23,391	23,391	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	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, reponsible entity or trustee.	SSB-STATE STREET BANK LUXEMBO		ORD	136,726	136,726	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	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, reponsible entity or trustee.	SSB-State Street Bank S.p.A		ORD	94,301	94,301	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	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, reponsible entity or trustee.	SSB-STATE STREET BANK, GERMANY		ORD	18,440	18,440	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	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, reponsible entity or trustee.	SSB-STATE STREET LONDON		ORD	219,574	219,574	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	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, reponsible entity or trustee.	BBH-BROWN BROTHERS HARRIMAN & CO		ORD	85,994	85,994	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities		Person's votes	Nature of Association
BlackRock Investment Management, LLC	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, reponsible entity or trustee.	BNYM-BONY LUXEMBOURG		ORD	1,005,952	1,005,952	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	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, reponsible entity or trustee.	BNYM-THE BANK OF NEW YORK		ORD	617,354	617,354	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	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, reponsible entity or trustee.	JPM-JP MORGAN CHASE		ORD	502,491	502,491	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	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, reponsible entity or trustee.	SSB-SSB NEW YORK INSTITUTIONAL		ORD	173,912	173,912	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	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, reponsible entity or trustee.	SSB-STATE STREET BANK LUXEMBO		ORD	73,767	73,767	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	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, reponsible entity or trustee.	SSB-STATE STREET MUTUAL FUNDS		ORD	17,235	17,235	subsidiary of BlackRock Inc.
BlackRock Japan Co., Ltd.	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, reponsible entity or trustee.	BBH-BROWN BROTHERS HARRIMAN & CO		ORD	23,014	23,014	subsidiary of BlackRock Inc.
BlackRock Japan Co., Ltd.	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, reponsible entity or trustee.	BNYM-BONY LUXEMBOURG		ORD	7,226	7,226	subsidiary of BlackRock Inc.
BlackRock Japan Co., Ltd.	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, reponsible entity or trustee.	JPM-JP MORGAN CHASE		ORD	196,920	196,920	subsidiary of BlackRock Inc.
BlackRock Japan Co., Ltd.	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, reponsible entity or trustee.	MITSUI-SUMITOMO TRUST		ORD	24,927	24,927	subsidiary of BlackRock Inc.
BlackRock Japan Co., Ltd.	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, reponsible entity or trustee.	SSB-State Street Bank And Trust Co.		ORD	1,225,248	1,225,248	subsidiary of BlackRock Inc.
BlackRock Japan Co., Ltd.	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, reponsible entity or trustee.	SSB-STATE STREET BANK, BOSTON		ORD	9,459	9,459	subsidiary of BlackRock Inc.

This is Annexure B of 23 pages referred to in form 603 Notice of initial substantial shareholder

09-Mar-23

Shawna Reese,
Authorised Signatory

Date

5. Consideration

QANTAS AIRWAYS LTD (QAN)

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected
			Cash	Non-cash	CCY		
BlackRock Fund Advisors	08-Nov-22	no	n/a	in specie	AUD	ORD 18,624	18,624
BlackRock Advisors, LLC	08-Nov-22	yes	6.08	on mkt buy	AUD	ORD 33,415	33,415
BlackRock Institutional Trust Company, National Association	08-Nov-22	yes	6.08	on mkt buy	AUD	ORD 3,799	3,799
BlackRock Advisors, LLC	08-Nov-22	yes	6.08	on mkt buy	AUD	ORD 267	267
BlackRock Advisors, LLC	08-Nov-22	yes	6.08	on mkt buy	AUD	ORD 8,091	8,091
BlackRock Investment Management, LLC	08-Nov-22	yes	6.08	on mkt buy	AUD	ORD 5,405	5,405
BlackRock (Singapore) Limited	08-Nov-22	yes	6.08	on mkt buy	AUD	ORD 26,073	26,073
BlackRock Investment Management (Australia) Limited	08-Nov-22	yes	6.08	on mkt buy	AUD	ORD 504	504
BlackRock Investment Management, LLC	08-Nov-22	yes	6.08	on mkt buy	AUD	ORD 3,768	3,768
BlackRock Fund Advisors	08-Nov-22	no	n/a	in specie	AUD	ORD 642	642
BlackRock Investment Management (Australia) Limited	08-Nov-22	yes	6.13	on mkt buy	AUD	ORD 70,670	70,670
BlackRock Advisors (UK) Limited	08-Nov-22	yes	6.13	on mkt buy	AUD	ORD 253	253
BlackRock Advisors (UK) Limited	08-Nov-22	yes	6.13	on mkt buy	AUD	ORD 1,012	1,012
BlackRock Advisors (UK) Limited	08-Nov-22	yes	6.13	on mkt buy	AUD	ORD 95	95
BlackRock (Singapore) Limited	08-Nov-22	yes	6.13	on mkt buy	AUD	ORD 8,990	8,990
BlackRock Advisors (UK) Limited	08-Nov-22	no	n/a	collateral transfer	AUD	ORD 498,497	498,497
BlackRock Investment Management (UK) Limited	08-Nov-22	no	n/a	collateral transfer	AUD	ORD 1,114,225	1,114,225
BlackRock Fund Advisors	09-Nov-22	no	n/a	in specie	AUD	ORD 2,595	2,595
BlackRock Fund Advisors	09-Nov-22	no	n/a	in specie	AUD	ORD 14,616	14,616
BlackRock Institutional Trust Company, National Association	09-Nov-22	yes	6.02	on mkt buy	AUD	ORD 78,929	78,929
BlackRock Institutional Trust Company, National Association	09-Nov-22	yes	6.02	on mkt buy	AUD	ORD 8,399	8,399
BlackRock Institutional Trust Company, National Association	09-Nov-22	yes	6.02	on mkt buy	AUD	ORD 8,148	8,148
BlackRock Advisors (UK) Limited	09-Nov-22	yes	6.01	on mkt buy	AUD	ORD 254	254
BlackRock Advisors (UK) Limited	09-Nov-22	yes	6.01	on mkt buy	AUD	ORD 508	508
BlackRock Investment Management (Australia) Limited	09-Nov-22	yes	6.01	on mkt buy	AUD	ORD 6,264	6,264
BlackRock (Singapore) Limited	09-Nov-22	no	n/a	collateral transfer	AUD	ORD 28,489	28,489
BlackRock Advisors (UK) Limited	09-Nov-22	no	n/a	collateral transfer	AUD	ORD 17,505	17,505
BlackRock Financial Management, Inc.	09-Nov-22	no	n/a	collateral transfer	AUD	ORD 111,930	111,930
BlackRock Investment Management (UK) Limited	09-Nov-22	no	n/a	collateral transfer	AUD	ORD 8,832	8,832
BlackRock Fund Advisors	10-Nov-22	no	n/a	in specie	AUD	ORD 2,366	2,366
BlackRock Advisors (UK) Limited	10-Nov-22	yes	5.98	on mkt buy	AUD	ORD 10,590	10,590
BlackRock Institutional Trust Company, National Association	11-Nov-22	yes	5.98	on mkt buy	AUD	ORD 620	620
BlackRock Advisors (UK) Limited	11-Nov-22	yes	5.97	on mkt buy	AUD	ORD 6,354	6,354
BlackRock Institutional Trust Company, National Association	11-Nov-22	yes	5.97	on mkt buy	AUD	ORD 27,252	27,252
BlackRock Institutional Trust Company, National Association	11-Nov-22	yes	5.97	on mkt buy	AUD	ORD 95,384	95,384
BlackRock Fund Advisors	11-Nov-22	no	n/a	in specie	AUD	ORD 7,684	7,684
BlackRock Investment Management (UK) Limited	11-Nov-22	no	n/a	collateral transfer	AUD	ORD 2,393,591	2,393,591
BlackRock Fund Advisors	14-Nov-22	no	n/a	in specie	AUD	ORD 1,921	1,921
BlackRock Institutional Trust Company, National Association	14-Nov-22	yes	5.81	on mkt buy	AUD	ORD 58,339	58,339
BlackRock Institutional Trust Company, National Association	14-Nov-22	yes	5.81	on mkt buy	AUD	ORD 11,392	11,392
BlackRock Institutional Trust Company, National Association	14-Nov-22	yes	5.81	on mkt buy	AUD	ORD 11,506	11,506

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected
			Cash	Non-cash	CCY		
BlackRock Advisors (UK) Limited	14-Nov-22	yes	5.82	on mkt buy	AUD	ORD 10,545	10,545
BlackRock Advisors (UK) Limited	14-Nov-22	no	n/a	collateral transfer	AUD	ORD 2,023,235	2,023,235
BlackRock Advisors, LLC	15-Nov-22	yes	5.81	on mkt buy	AUD	ORD 69,467	69,467
BlackRock Institutional Trust Company, National Association	15-Nov-22	yes	5.81	on mkt buy	AUD	ORD 7,804	7,804
BlackRock Advisors, LLC	15-Nov-22	yes	5.81	on mkt buy	AUD	ORD 542	542
BlackRock Advisors, LLC	15-Nov-22	yes	5.81	on mkt buy	AUD	ORD 16,710	16,710
BlackRock Investment Management, LLC	15-Nov-22	yes	5.81	on mkt buy	AUD	ORD 10,381	10,381
BlackRock (Singapore) Limited	15-Nov-22	yes	5.81	on mkt buy	AUD	ORD 54,544	54,544
BlackRock Investment Management (Australia) Limited	15-Nov-22	yes	5.81	on mkt buy	AUD	ORD 1,090	1,090
BlackRock Investment Management, LLC	15-Nov-22	yes	5.81	on mkt buy	AUD	ORD 7,719	7,719
BlackRock Advisors (UK) Limited	15-Nov-22	yes	5.83	on mkt buy	AUD	ORD 4,236	4,236
BlackRock Advisors (UK) Limited	15-Nov-22	yes	5.83	on mkt buy	AUD	ORD 1,016	1,016
BlackRock Advisors (UK) Limited	15-Nov-22	yes	5.83	on mkt buy	AUD	ORD 19,501	19,501
BlackRock Investment Management (UK) Limited	15-Nov-22	yes	5.83	on mkt buy	AUD	ORD 17,974	17,974
BlackRock Institutional Trust Company, National Association	15-Nov-22	yes	5.83	on mkt buy	AUD	ORD 91,987	91,987
BlackRock Institutional Trust Company, National Association	15-Nov-22	yes	5.83	on mkt buy	AUD	ORD 4,547	4,547
BlackRock Advisors (UK) Limited	15-Nov-22	no	n/a	collateral transfer	AUD	ORD 256,919	256,919
BlackRock Institutional Trust Company, National Association	16-Nov-22	yes	5.80	on mkt buy	AUD	ORD 1,139	1,139
BlackRock Fund Advisors	16-Nov-22	no	n/a	in specie	AUD	ORD 1,674	1,674
BlackRock Fund Advisors	16-Nov-22	no	n/a	in specie	AUD	ORD 1,921	1,921
BlackRock Fund Advisors	16-Nov-22	no	n/a	in specie	AUD	ORD 1,674	1,674
BlackRock Fund Advisors	16-Nov-22	no	n/a	in specie	AUD	ORD 15,548	15,548
BlackRock Investment Management (Australia) Limited	16-Nov-22	yes	5.80	on mkt buy	AUD	ORD 8,478	8,478
BlackRock Investment Management (Australia) Limited	16-Nov-22	yes	5.80	on mkt buy	AUD	ORD 40,987	40,987
BlackRock Investment Management (Australia) Limited	16-Nov-22	yes	5.80	on mkt buy	AUD	ORD 70,438	70,438
BlackRock Advisors (UK) Limited	16-Nov-22	yes	5.80	on mkt buy	AUD	ORD 2,118	2,118
BlackRock Advisors (UK) Limited	16-Nov-22	yes	5.80	on mkt buy	AUD	ORD 765	765
BlackRock Investment Management (Australia) Limited	17-Nov-22	yes	5.89	on mkt buy	AUD	ORD 8,078	8,078
BlackRock Fund Advisors	17-Nov-22	no	n/a	in specie	AUD	ORD 864	864
BlackRock Fund Advisors	17-Nov-22	no	n/a	in specie	AUD	ORD 1,674	1,674
BlackRock Advisors (UK) Limited	17-Nov-22	yes	5.90	on mkt buy	AUD	ORD 165	165
BlackRock Advisors (UK) Limited	17-Nov-22	yes	5.90	on mkt buy	AUD	ORD 2,040	2,040
BlackRock Japan Co., Ltd.	17-Nov-22	yes	5.90	on mkt buy	AUD	ORD 7,367	7,367
BlackRock Institutional Trust Company, National Association	18-Nov-22	yes	5.90	on mkt buy	AUD	ORD 1,083	1,083
BlackRock Investment Management (Australia) Limited	18-Nov-22	yes	5.89	on mkt buy	AUD	ORD 14,329	14,329
BlackRock Fund Advisors	18-Nov-22	no	n/a	in specie	AUD	ORD 4,590	4,590
BlackRock Advisors (UK) Limited	18-Nov-22	yes	5.88	on mkt buy	AUD	ORD 2,118	2,118
BlackRock Advisors (UK) Limited	18-Nov-22	yes	5.88	on mkt buy	AUD	ORD 1,113	1,113
BlackRock Institutional Trust Company, National Association	18-Nov-22	yes	5.88	on mkt buy	AUD	ORD 6,606	6,606
BlackRock Investment Management (UK) Limited	18-Nov-22	yes	5.88	on mkt buy	AUD	ORD 24,658	24,658
BlackRock Investment Management (UK) Limited	18-Nov-22	yes	5.88	on mkt buy	AUD	ORD 2,793	2,793
BlackRock Advisors, LLC	18-Nov-22	yes	5.88	on mkt buy	AUD	ORD 3,822	3,822
BlackRock International Limited	18-Nov-22	yes	5.88	on mkt buy	AUD	ORD 14,290	14,290
BlackRock Institutional Trust Company, National Association	18-Nov-22	yes	5.88	on mkt buy	AUD	ORD 51,407	51,407
BlackRock Institutional Trust Company, National Association	18-Nov-22	yes	5.88	on mkt buy	AUD	ORD 5,349	5,349
BlackRock Institutional Trust Company, National Association	18-Nov-22	yes	5.88	on mkt buy	AUD	ORD 3,976	3,976
BlackRock Advisors (UK) Limited	18-Nov-22	yes	5.88	on mkt buy	AUD	ORD 12,057	12,057
BlackRock Advisors (UK) Limited	18-Nov-22	yes	5.88	on mkt buy	AUD	ORD 7,992	7,992
BlackRock Investment Management (UK) Limited	18-Nov-22	yes	5.88	on mkt buy	AUD	ORD 8,763	8,763
BlackRock (Singapore) Limited	18-Nov-22	yes	5.88	on mkt buy	AUD	ORD 17,031	17,031
BlackRock Advisors (UK) Limited	18-Nov-22	no	n/a	collateral transfer	AUD	ORD 2,081,063	2,081,063
BlackRock Investment Management (UK) Limited	18-Nov-22	no	n/a	collateral transfer	AUD	ORD 6,003	6,003

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Fund Advisors	21-Nov-22	no	n/a	in specie	AUD	ORD	5,870	5,870
BlackRock Fund Advisors	21-Nov-22	no	n/a	in specie	AUD	ORD	3,842	3,842
BlackRock Fund Advisors	21-Nov-22	no	n/a	in specie	AUD	ORD	4,572	4,572
BlackRock Institutional Trust Company, National Association	21-Nov-22	yes	5.87	on mkt buy	AUD	ORD	799	799
BlackRock Advisors (UK) Limited	21-Nov-22	yes	5.87	on mkt buy	AUD	ORD	6,354	6,354
BlackRock Institutional Trust Company, National Association	21-Nov-22	yes	5.87	on mkt buy	AUD	ORD	10,383	10,383
BlackRock Investment Management (UK) Limited	21-Nov-22	yes	5.87	on mkt buy	AUD	ORD	5,692	5,692
BlackRock Advisors, LLC	21-Nov-22	yes	5.87	on mkt buy	AUD	ORD	6,002	6,002
BlackRock Asset Management Canada Limited	21-Nov-22	yes	5.87	on mkt buy	AUD	ORD	4,268	4,268
BlackRock International Limited	21-Nov-22	yes	5.87	on mkt buy	AUD	ORD	23,666	23,666
BlackRock Institutional Trust Company, National Association	21-Nov-22	yes	5.87	on mkt buy	AUD	ORD	83,767	83,767
BlackRock Institutional Trust Company, National Association	21-Nov-22	yes	5.87	on mkt buy	AUD	ORD	8,859	8,859
BlackRock Institutional Trust Company, National Association	21-Nov-22	yes	5.87	on mkt buy	AUD	ORD	6,984	6,984
BlackRock Advisors (UK) Limited	21-Nov-22	yes	5.87	on mkt buy	AUD	ORD	22,158	22,158
BlackRock Advisors (UK) Limited	21-Nov-22	yes	5.87	on mkt buy	AUD	ORD	15,815	15,815
BlackRock Investment Management (UK) Limited	21-Nov-22	yes	5.87	on mkt buy	AUD	ORD	22,902	22,902
BlackRock (Singapore) Limited	21-Nov-22	yes	5.87	on mkt buy	AUD	ORD	24,164	24,164
BlackRock Japan Co., Ltd.	21-Nov-22	no	n/a	collateral transfer	AUD	ORD	1	1
BlackRock Investment Management (UK) Limited	21-Nov-22	no	n/a	collateral transfer	AUD	ORD	1,623,952	1,623,952
BlackRock Advisors, LLC	22-Nov-22	yes	5.89	on mkt buy	AUD	ORD	57,799	57,799
BlackRock Institutional Trust Company, National Association	22-Nov-22	yes	5.89	on mkt buy	AUD	ORD	6,387	6,387
BlackRock Advisors, LLC	22-Nov-22	yes	5.89	on mkt buy	AUD	ORD	462	462
BlackRock Advisors, LLC	22-Nov-22	yes	5.89	on mkt buy	AUD	ORD	14,083	14,083
BlackRock Investment Management, LLC	22-Nov-22	yes	5.89	on mkt buy	AUD	ORD	7,745	7,745
BlackRock (Singapore) Limited	22-Nov-22	yes	5.89	on mkt buy	AUD	ORD	45,683	45,683
BlackRock Investment Management (Australia) Limited	22-Nov-22	yes	5.89	on mkt buy	AUD	ORD	921	921
BlackRock Investment Management, LLC	22-Nov-22	yes	5.89	on mkt buy	AUD	ORD	6,052	6,052
BlackRock Institutional Trust Company, National Association	22-Nov-22	yes	5.87	on mkt buy	AUD	ORD	13,818	13,818
BlackRock Advisors (UK) Limited	22-Nov-22	no	n/a	collateral transfer	AUD	ORD	605,230	605,230
BlackRock Investment Management, LLC	22-Nov-22	no	n/a	collateral transfer	AUD	ORD	110,310	110,310
BlackRock Investment Management (UK) Limited	22-Nov-22	no	n/a	collateral transfer	AUD	ORD	209,784	209,784
BlackRock Institutional Trust Company, National Association	23-Nov-22	yes	6.17	on mkt buy	AUD	ORD	984	984
BlackRock Advisors (UK) Limited	23-Nov-22	yes	6.18	on mkt buy	AUD	ORD	23,298	23,298
BlackRock Investment Management, LLC	23-Nov-22	yes	6.18	on mkt buy	AUD	ORD	3,237	3,237
BlackRock Institutional Trust Company, National Association	23-Nov-22	yes	6.18	on mkt buy	AUD	ORD	2,684	2,684
BlackRock Japan Co., Ltd.	23-Nov-22	yes	6.18	on mkt buy	AUD	ORD	10,041	10,041
BlackRock Japan Co., Ltd.	23-Nov-22	yes	6.18	on mkt buy	AUD	ORD	10,563	10,563
BlackRock Japan Co., Ltd.	23-Nov-22	yes	6.18	on mkt buy	AUD	ORD	4,410	4,410
BlackRock Investment Management, LLC	23-Nov-22	yes	6.18	on mkt buy	AUD	ORD	2,835	2,835
BlackRock Fund Advisors	23-Nov-22	no	n/a	in specie	AUD	ORD	3,724	3,724
BlackRock Fund Advisors	23-Nov-22	no	n/a	in specie	AUD	ORD	3,048	3,048
BlackRock Japan Co., Ltd.	23-Nov-22	no	n/a	collateral transfer	AUD	ORD	2	2
APERIO GROUP LLC	23-Nov-22	no	n/a	in specie	AUD	ORD	38,528	38,528
BlackRock Institutional Trust Company, National Association	24-Nov-22	yes	6.25	on mkt buy	AUD	ORD	661	661
BlackRock Advisors (UK) Limited	24-Nov-22	yes	6.19	on mkt buy	AUD	ORD	2,184	2,184
BlackRock Advisors (UK) Limited	24-Nov-22	yes	6.19	on mkt buy	AUD	ORD	4,368	4,368
BlackRock Advisors (UK) Limited	24-Nov-22	no	n/a	collateral transfer	AUD	ORD	233,643	233,643
BlackRock Japan Co., Ltd.	25-Nov-22	yes	6.12	on mkt buy	AUD	ORD	5,995	5,995
BlackRock Advisors (UK) Limited	25-Nov-22	yes	6.06	on mkt buy	AUD	ORD	4,364	4,364
BlackRock Fund Advisors	25-Nov-22	no	n/a	in specie	AUD	ORD	8,500	8,500
BlackRock Advisors (UK) Limited	25-Nov-22	no	n/a	collateral transfer	AUD	ORD	481,838	481,838
BlackRock Investment Management (UK) Limited	25-Nov-22	no	n/a	collateral transfer	AUD	ORD	370,163	370,163

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected
			Cash	Non-cash	CCY		
APERIO GROUP LLC	25-Nov-22	no	n/a	in specie	AUD	ORD 29,084	29,084
BlackRock Institutional Trust Company, National Association	28-Nov-22	yes	6.14	on mkt buy	AUD	ORD 10,852	10,852
BlackRock Institutional Trust Company, National Association	28-Nov-22	yes	6.14	on mkt buy	AUD	ORD 20,870	20,870
BlackRock Investment Management (UK) Limited	28-Nov-22	yes	6.14	on mkt buy	AUD	ORD 14,368	14,368
BlackRock Advisors, LLC	28-Nov-22	yes	6.14	on mkt buy	AUD	ORD 4,682	4,682
BlackRock International Limited	28-Nov-22	yes	6.14	on mkt buy	AUD	ORD 28,164	28,164
BlackRock Institutional Trust Company, National Association	28-Nov-22	yes	6.14	on mkt buy	AUD	ORD 6,514	6,514
BlackRock Institutional Trust Company, National Association	28-Nov-22	yes	6.14	on mkt buy	AUD	ORD 8,953	8,953
BlackRock Advisors (UK) Limited	28-Nov-22	yes	6.14	on mkt buy	AUD	ORD 15,146	15,146
BlackRock Advisors (UK) Limited	28-Nov-22	yes	6.14	on mkt buy	AUD	ORD 11,263	11,263
BlackRock Investment Management (UK) Limited	28-Nov-22	yes	6.14	on mkt buy	AUD	ORD 23,998	23,998
BlackRock (Singapore) Limited	28-Nov-22	yes	6.14	on mkt buy	AUD	ORD 37,726	37,726
BlackRock Investment Management (UK) Limited	28-Nov-22	no	n/a	collateral transfer	AUD	ORD 1,743,372	1,743,372
APERIO GROUP LLC	28-Nov-22	no	n/a	in specie	AUD	ORD 1,531	1,531
BlackRock Advisors, LLC	29-Nov-22	yes	6.18	on mkt buy	AUD	ORD 28,250	28,250
BlackRock Institutional Trust Company, National Association	29-Nov-22	yes	6.18	on mkt buy	AUD	ORD 3,065	3,065
BlackRock Advisors, LLC	29-Nov-22	yes	6.18	on mkt buy	AUD	ORD 223	223
BlackRock Advisors, LLC	29-Nov-22	yes	6.18	on mkt buy	AUD	ORD 7,021	7,021
BlackRock Investment Management, LLC	29-Nov-22	yes	6.18	on mkt buy	AUD	ORD 4,572	4,572
BlackRock (Singapore) Limited	29-Nov-22	yes	6.18	on mkt buy	AUD	ORD 23,537	23,537
BlackRock Investment Management (Australia) Limited	29-Nov-22	yes	6.18	on mkt buy	AUD	ORD 439	439
BlackRock Investment Management, LLC	29-Nov-22	yes	6.18	on mkt buy	AUD	ORD 3,184	3,184
BlackRock Institutional Trust Company, National Association	29-Nov-22	yes	6.18	on mkt buy	AUD	ORD 9,296	9,296
BlackRock Investment Management (Australia) Limited	29-Nov-22	yes	6.18	on mkt buy	AUD	ORD 1,607	1,607
BlackRock Investment Management (Australia) Limited	29-Nov-22	yes	6.19	on mkt buy	AUD	ORD 15,280	15,280
BlackRock Advisors (UK) Limited	29-Nov-22	yes	6.19	on mkt buy	AUD	ORD 4,366	4,366
BlackRock Financial Management, Inc.	29-Nov-22	yes	6.19	on mkt buy	AUD	ORD 4,421	4,421
BlackRock Institutional Trust Company, National Association	29-Nov-22	yes	6.19	on mkt buy	AUD	ORD 12,462	12,462
BlackRock Investment Management (UK) Limited	29-Nov-22	yes	6.19	on mkt buy	AUD	ORD 8,329	8,329
BlackRock Japan Co., Ltd.	29-Nov-22	yes	6.19	on mkt buy	AUD	ORD 119,220	119,220
BlackRock Advisors, LLC	29-Nov-22	yes	6.19	on mkt buy	AUD	ORD 8,101	8,101
BlackRock Advisors (UK) Limited	29-Nov-22	yes	6.19	on mkt buy	AUD	ORD 9,760	9,760
BlackRock Asset Management Canada Limited	29-Nov-22	yes	6.19	on mkt buy	AUD	ORD 5,618	5,618
BlackRock International Limited	29-Nov-22	yes	6.19	on mkt buy	AUD	ORD 29,229	29,229
BlackRock Institutional Trust Company, National Association	29-Nov-22	yes	6.19	on mkt buy	AUD	ORD 6,378	6,378
BlackRock Institutional Trust Company, National Association	29-Nov-22	yes	6.19	on mkt buy	AUD	ORD 7,535	7,535
BlackRock Advisors (UK) Limited	29-Nov-22	yes	6.19	on mkt buy	AUD	ORD 31,976	31,976
BlackRock Advisors (UK) Limited	29-Nov-22	yes	6.19	on mkt buy	AUD	ORD 20,920	20,920
BlackRock Investment Management (UK) Limited	29-Nov-22	yes	6.19	on mkt buy	AUD	ORD 18,124	18,124
BlackRock (Singapore) Limited	29-Nov-22	yes	6.19	on mkt buy	AUD	ORD 24,273	24,273
BlackRock Investment Management (UK) Limited	29-Nov-22	no	n/a	collateral transfer	AUD	ORD 1,285,323	1,285,323
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	6.21	on mkt buy	AUD	ORD 10,797	10,797
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD 27,763	27,763
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD 622	622
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD 55,941	55,941
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD 7,694	7,694
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD 22,011	22,011
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD 6,560	6,560

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			Cash	Non-cash	CCY			
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD	11,467	11,467
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD	34,351	34,351
BlackRock Japan Co., Ltd.	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD	4,171	4,171
BlackRock Japan Co., Ltd.	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD	1,390	1,390
BlackRock Advisors (UK) Limited	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD	39,891	39,891
BlackRock Advisors (UK) Limited	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD	119,677	119,677
BlackRock Fund Advisors	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD	26,238	26,238
BlackRock Fund Advisors	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD	78,719	78,719
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD	6,121	6,121
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD	18,365	18,365
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD	4,157	4,157
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD	12,470	12,470
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD	3,570	3,570
BlackRock Fund Advisors	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD	192,474	192,474
BlackRock Fund Advisors	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD	95,798	95,798
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD	2,218	2,218
BlackRock Investment Management, LLC	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD	7,801	7,801
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD	13,700	13,700
BlackRock Fund Advisors	30-Nov-22	no	n/a	in specie	AUD	ORD	6,192	6,192
BlackRock Japan Co., Ltd.	30-Nov-22	no	n/a	collateral transfer	AUD	ORD	5	5
BlackRock (Singapore) Limited	30-Nov-22	no	n/a	collateral transfer	AUD	ORD	1	1
BlackRock Advisors (UK) Limited	30-Nov-22	no	n/a	collateral transfer	AUD	ORD	8,384	8,384
BlackRock Institutional Trust Company, National Association	01-Dec-22	yes	6.25	on mkt buy	AUD	ORD	8,255	8,255
BlackRock Investment Management (Australia) Limited	01-Dec-22	yes	6.24	on mkt buy	AUD	ORD	4,794	4,794
BlackRock Investment Management (Australia) Limited	01-Dec-22	yes	6.23	on mkt buy	AUD	ORD	2,155	2,155
BlackRock Japan Co., Ltd.	01-Dec-22	yes	6.22	on mkt buy	AUD	ORD	30,108	30,108
BlackRock Japan Co., Ltd.	01-Dec-22	yes	6.22	on mkt buy	AUD	ORD	14,822	14,822
BlackRock Japan Co., Ltd.	01-Dec-22	yes	6.22	on mkt buy	AUD	ORD	7,156	7,156
BlackRock Japan Co., Ltd.	01-Dec-22	yes	6.22	on mkt buy	AUD	ORD	8,607	8,607
BlackRock Japan Co., Ltd.	01-Dec-22	yes	6.22	on mkt buy	AUD	ORD	8,742	8,742
BlackRock Investment Management, LLC	01-Dec-22	yes	6.22	on mkt buy	AUD	ORD	5,465	5,465
BlackRock Institutional Trust Company, National Association	01-Dec-22	yes	6.22	on mkt buy	AUD	ORD	4,668	4,668
BlackRock Institutional Trust Company, National Association	01-Dec-22	yes	6.22	on mkt buy	AUD	ORD	1,460	1,460
BlackRock Advisors (UK) Limited	01-Dec-22	yes	6.22	on mkt buy	AUD	ORD	2,506	2,506
BlackRock Investment Management (UK) Limited	01-Dec-22	yes	6.22	on mkt buy	AUD	ORD	3,727	3,727
BlackRock Advisors (UK) Limited	01-Dec-22	no	n/a	collateral transfer	AUD	ORD	145,871	145,871
BlackRock Institutional Trust Company, National Association	02-Dec-22	yes	6.17	on mkt buy	AUD	ORD	11,681	11,681
BlackRock Institutional Trust Company, National Association	02-Dec-22	yes	6.17	on mkt buy	AUD	ORD	26,831	26,831
BlackRock Institutional Trust Company, National Association	02-Dec-22	yes	6.17	on mkt buy	AUD	ORD	4,970	4,970
BlackRock Institutional Trust Company, National Association	02-Dec-22	yes	6.17	on mkt buy	AUD	ORD	4,796	4,796
BlackRock Advisors (UK) Limited	02-Dec-22	yes	6.17	on mkt buy	AUD	ORD	912	912
BlackRock Advisors (UK) Limited	02-Dec-22	yes	6.17	on mkt buy	AUD	ORD	5,016	5,016
BlackRock Advisors (UK) Limited	02-Dec-22	yes	6.17	on mkt buy	AUD	ORD	1,064	1,064
BlackRock Advisors (UK) Limited	02-Dec-22	yes	6.17	on mkt buy	AUD	ORD	768	768
BlackRock Institutional Trust Company, National Association	02-Dec-22	yes	6.17	on mkt buy	AUD	ORD	6,474	6,474
BlackRock Investment Management (UK) Limited	02-Dec-22	yes	6.17	on mkt buy	AUD	ORD	6,615	6,615
BlackRock International Limited	02-Dec-22	yes	6.17	on mkt buy	AUD	ORD	16,355	16,355
BlackRock Advisors (UK) Limited	02-Dec-22	yes	6.17	on mkt buy	AUD	ORD	7,442	7,442
BlackRock Advisors (UK) Limited	02-Dec-22	yes	6.17	on mkt buy	AUD	ORD	4,963	4,963
BlackRock (Singapore) Limited	02-Dec-22	yes	6.17	on mkt buy	AUD	ORD	8,766	8,766

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BlackRock Advisors (UK) Limited	02-Dec-22	no	n/a	collateral transfer	AUD	ORD 140,834	140,834
BlackRock Financial Management, Inc.	02-Dec-22	no	n/a	collateral transfer	AUD	ORD 2	2
APERIO GROUP LLC	02-Dec-22	no	n/a	in specie	AUD	ORD 104,609	104,609
BlackRock Fund Advisors	05-Dec-22	no	n/a	in specie	AUD	ORD 860	860
BlackRock Financial Management, Inc.	05-Dec-22	yes	6.20	on mkt buy	AUD	ORD 120	120
BlackRock Institutional Trust Company, National Association	05-Dec-22	yes	6.20	on mkt buy	AUD	ORD 7,637	7,637
BlackRock Investment Management (UK) Limited	05-Dec-22	yes	6.20	on mkt buy	AUD	ORD 1,117,705	1,117,705
BlackRock Fund Advisors	05-Dec-22	yes	6.20	on mkt buy	AUD	ORD 12,275	12,275
BlackRock Financial Management, Inc.	05-Dec-22	yes	6.20	on mkt buy	AUD	ORD 26,912	26,912
BlackRock Financial Management, Inc.	05-Dec-22	yes	6.20	on mkt buy	AUD	ORD 110,799	110,799
BlackRock Financial Management, Inc.	05-Dec-22	yes	6.20	on mkt buy	AUD	ORD 16,816	16,816
BlackRock Institutional Trust Company, National Association	05-Dec-22	yes	6.20	on mkt buy	AUD	ORD 14,505	14,505
BlackRock Advisors (UK) Limited	05-Dec-22	yes	6.19	on mkt buy	AUD	ORD 936	936
BlackRock Advisors (UK) Limited	05-Dec-22	yes	6.19	on mkt buy	AUD	ORD 780	780
BlackRock Institutional Trust Company, National Association	05-Dec-22	yes	6.19	on mkt buy	AUD	ORD 7,467	7,467
BlackRock Financial Management, Inc.	05-Dec-22	yes	6.19	on mkt buy	AUD	ORD 28,633	28,633
BlackRock Financial Management, Inc.	05-Dec-22	yes	6.19	on mkt buy	AUD	ORD 12,284	12,284
BlackRock Institutional Trust Company, National Association	05-Dec-22	yes	6.19	on mkt buy	AUD	ORD 22,907	22,907
BlackRock Institutional Trust Company, National Association	05-Dec-22	yes	6.19	on mkt buy	AUD	ORD 15,497	15,497
BlackRock Advisors (UK) Limited	05-Dec-22	no	n/a	collateral transfer	AUD	ORD 3,804,905	3,804,905
BlackRock Financial Management, Inc.	05-Dec-22	no	n/a	collateral transfer	AUD	ORD 7	7
BlackRock Institutional Trust Company, National Association	06-Dec-22	yes	6.19	on mkt buy	AUD	ORD 2,650	2,650
BlackRock Investment Management (Australia) Limited	06-Dec-22	yes	6.19	on mkt buy	AUD	ORD 2,463	2,463
BlackRock Fund Advisors	06-Dec-22	no	n/a	in specie	AUD	ORD 5,763	5,763
BlackRock Fund Advisors	06-Dec-22	no	n/a	in specie	AUD	ORD 1,921	1,921
BlackRock Fund Advisors	06-Dec-22	no	n/a	in specie	AUD	ORD 844	844
BlackRock Advisors (UK) Limited	06-Dec-22	yes	6.17	on mkt buy	AUD	ORD 1,560	1,560
BlackRock Advisors (UK) Limited	06-Dec-22	yes	6.17	on mkt buy	AUD	ORD 516	516
BlackRock Institutional Trust Company, National Association	06-Dec-22	yes	6.17	on mkt buy	AUD	ORD 6,146	6,146
BlackRock Institutional Trust Company, National Association	06-Dec-22	yes	6.17	on mkt buy	AUD	ORD 10,655	10,655
BlackRock Institutional Trust Company, National Association	06-Dec-22	yes	6.17	on mkt buy	AUD	ORD 3,509	3,509
BlackRock Financial Management, Inc.	06-Dec-22	yes	6.17	on mkt buy	AUD	ORD 25,722	25,722
BlackRock Financial Management, Inc.	06-Dec-22	yes	6.17	on mkt buy	AUD	ORD 11,507	11,507
BlackRock Institutional Trust Company, National Association	06-Dec-22	yes	6.17	on mkt buy	AUD	ORD 19,137	19,137
BlackRock Institutional Trust Company, National Association	06-Dec-22	yes	6.17	on mkt buy	AUD	ORD 17,070	17,070
BlackRock (Singapore) Limited	06-Dec-22	no	n/a	collateral transfer	AUD	ORD 402,051	402,051
BlackRock Financial Management, Inc.	06-Dec-22	no	n/a	collateral transfer	AUD	ORD 2,014,726	2,014,726
BlackRock Investment Management (UK) Limited	06-Dec-22	no	n/a	collateral transfer	AUD	ORD 1,219,228	1,219,228
BlackRock Institutional Trust Company, National Association	07-Dec-22	yes	6.22	on mkt buy	AUD	ORD 7,298	7,298
BlackRock Institutional Trust Company, National Association	07-Dec-22	yes	6.23	on mkt buy	AUD	ORD 4,954	4,954
BlackRock Institutional Trust Company, National Association	07-Dec-22	yes	6.23	on mkt buy	AUD	ORD 436	436
BlackRock Advisors (UK) Limited	07-Dec-22	yes	6.27	on mkt buy	AUD	ORD 774	774
BlackRock Institutional Trust Company, National Association	07-Dec-22	yes	6.27	on mkt buy	AUD	ORD 6,791	6,791
BlackRock Investment Management (UK) Limited	07-Dec-22	yes	6.27	on mkt buy	AUD	ORD 8,140	8,140
BlackRock Advisors, LLC	07-Dec-22	yes	6.27	on mkt buy	AUD	ORD 11,160	11,160
BlackRock Advisors, LLC	07-Dec-22	yes	6.27	on mkt buy	AUD	ORD 7,644	7,644
BlackRock International Limited	07-Dec-22	yes	6.27	on mkt buy	AUD	ORD 19,515	19,515
BlackRock Institutional Trust Company, National Association	07-Dec-22	yes	6.27	on mkt buy	AUD	ORD 189,476	189,476

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BlackRock Institutional Trust Company, National Association	07-Dec-22	yes	6.27	on mkt buy	AUD	ORD 5,332	5,332
BlackRock Institutional Trust Company, National Association	07-Dec-22	yes	6.27	on mkt buy	AUD	ORD 5,039	5,039
BlackRock Advisors (UK) Limited	07-Dec-22	yes	6.27	on mkt buy	AUD	ORD 9,928	9,928
BlackRock Advisors (UK) Limited	07-Dec-22	yes	6.27	on mkt buy	AUD	ORD 7,226	7,226
BlackRock (Singapore) Limited	07-Dec-22	yes	6.27	on mkt buy	AUD	ORD 18,381	18,381
BlackRock Asset Management Canada Limited	07-Dec-22	yes	6.27	on mkt buy	AUD	ORD 11,350	11,350
BlackRock Japan Co., Ltd.	07-Dec-22	no	n/a	collateral transfer	AUD	ORD 3	3
BlackRock (Singapore) Limited	07-Dec-22	no	n/a	collateral transfer	AUD	ORD 8,802	8,802
BlackRock Investment Management (UK) Limited	07-Dec-22	no	n/a	collateral transfer	AUD	ORD 31,603	31,603
APERIO GROUP LLC	07-Dec-22	no	n/a	in specie	AUD	ORD 21,020	21,020
BlackRock Institutional Trust Company, National Association	08-Dec-22	yes	6.13	on mkt buy	AUD	ORD 5,615	5,615
BlackRock Japan Co., Ltd.	08-Dec-22	yes	6.13	on mkt buy	AUD	ORD 145,292	145,292
BlackRock Advisors (UK) Limited	08-Dec-22	yes	6.09	on mkt buy	AUD	ORD 884	884
BlackRock Investment Management, LLC	08-Dec-22	yes	6.09	on mkt buy	AUD	ORD 6,189	6,189
BlackRock Institutional Trust Company, National Association	08-Dec-22	yes	6.09	on mkt buy	AUD	ORD 4,577	4,577
BlackRock Institutional Trust Company, National Association	08-Dec-22	yes	6.09	on mkt buy	AUD	ORD 1,505	1,505
BlackRock Advisors (UK) Limited	08-Dec-22	yes	6.09	on mkt buy	AUD	ORD 3,226	3,226
BlackRock Advisors, LLC	08-Dec-22	yes	6.09	on mkt buy	AUD	ORD 7,660	7,660
BlackRock Japan Co., Ltd.	08-Dec-22	yes	6.09	on mkt buy	AUD	ORD 3,694	3,694
BlackRock Japan Co., Ltd.	08-Dec-22	yes	6.09	on mkt buy	AUD	ORD 46,347	46,347
BlackRock Japan Co., Ltd.	08-Dec-22	yes	6.09	on mkt buy	AUD	ORD 21,887	21,887
BlackRock Japan Co., Ltd.	08-Dec-22	yes	6.09	on mkt buy	AUD	ORD 9,652	9,652
BlackRock Japan Co., Ltd.	08-Dec-22	yes	6.09	on mkt buy	AUD	ORD 11,434	11,434
BlackRock Japan Co., Ltd.	08-Dec-22	yes	6.09	on mkt buy	AUD	ORD 14,239	14,239
BlackRock Advisors, LLC	08-Dec-22	yes	6.09	on mkt buy	AUD	ORD 21,587	21,587
BlackRock Investment Management (UK) Limited	08-Dec-22	yes	6.09	on mkt buy	AUD	ORD 2,537	2,537
BlackRock Financial Management, Inc.	08-Dec-22	yes	6.09	on mkt buy	AUD	ORD 4,961	4,961
BlackRock Investment Management, LLC	08-Dec-22	yes	6.09	on mkt buy	AUD	ORD 28,951	28,951
BlackRock Institutional Trust Company, National Association	08-Dec-22	yes	6.09	on mkt buy	AUD	ORD 1,674	1,674
BlackRock Investment Management (UK) Limited	08-Dec-22	yes	6.09	on mkt buy	AUD	ORD 13,387	13,387
BlackRock Institutional Trust Company, National Association	08-Dec-22	yes	6.09	on mkt buy	AUD	ORD 2,534	2,534
BlackRock Institutional Trust Company, National Association	08-Dec-22	yes	6.09	on mkt buy	AUD	ORD 3,520	3,520
BlackRock Advisors (UK) Limited	08-Dec-22	no	n/a	collateral transfer	AUD	ORD 3,500,482	3,500,482
BlackRock Institutional Trust Company, National Association	09-Dec-22	yes	6.18	on mkt buy	AUD	ORD 249	249
BlackRock Institutional Trust Company, National Association	09-Dec-22	yes	6.18	on mkt buy	AUD	ORD 1,854	1,854
BlackRock Institutional Trust Company, National Association	09-Dec-22	yes	6.18	on mkt buy	AUD	ORD 17,352	17,352
BlackRock Advisors (UK) Limited	09-Dec-22	yes	6.21	on mkt buy	AUD	ORD 1,412	1,412
BlackRock Advisors (UK) Limited	09-Dec-22	yes	6.21	on mkt buy	AUD	ORD 95	95
BlackRock Institutional Trust Company, National Association	09-Dec-22	yes	6.21	on mkt buy	AUD	ORD 8,094	8,094
BlackRock Institutional Trust Company, National Association	09-Dec-22	yes	6.21	on mkt buy	AUD	ORD 20,999	20,999
BlackRock Institutional Trust Company, National Association	09-Dec-22	yes	6.21	on mkt buy	AUD	ORD 21,384	21,384
BlackRock Investment Management (UK) Limited	09-Dec-22	yes	6.21	on mkt buy	AUD	ORD 11,687	11,687
BlackRock Investment Management (UK) Limited	09-Dec-22	yes	6.21	on mkt buy	AUD	ORD 1,410	1,410
BlackRock Financial Management, Inc.	09-Dec-22	yes	6.21	on mkt buy	AUD	ORD 40,085	40,085
BlackRock Financial Management, Inc.	09-Dec-22	yes	6.21	on mkt buy	AUD	ORD 17,804	17,804
BlackRock Institutional Trust Company, National Association	09-Dec-22	yes	6.21	on mkt buy	AUD	ORD 22,127	22,127
BlackRock Institutional Trust Company, National Association	09-Dec-22	yes	6.21	on mkt buy	AUD	ORD 32,233	32,233
BlackRock Investment Management (UK) Limited	09-Dec-22	yes	6.21	on mkt buy	AUD	ORD 1,474	1,474

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BlackRock Institutional Trust Company, National Association	09-Dec-22	yes	6.21	on mkt buy	AUD	ORD 50,192	50,192
BlackRock Institutional Trust Company, National Association	09-Dec-22	yes	6.21	on mkt buy	AUD	ORD 24,928	24,928
BlackRock Investment Management (UK) Limited	09-Dec-22	no	n/a	in specie	AUD	ORD 18,329	18,329
BlackRock Investment Management (UK) Limited	09-Dec-22	no	n/a	in specie	AUD	ORD 9,719	9,719
BlackRock (Singapore) Limited	09-Dec-22	no	n/a	collateral transfer	AUD	ORD 29,109	29,109
BlackRock Advisors (UK) Limited	09-Dec-22	no	n/a	collateral transfer	AUD	ORD 194,284	194,284
BlackRock Investment Management, LLC	09-Dec-22	no	n/a	collateral transfer	AUD	ORD 522,133	522,133
BlackRock Investment Management (UK) Limited	09-Dec-22	no	n/a	collateral transfer	AUD	ORD 963,389	963,389
BlackRock Fund Advisors	12-Dec-22	no	n/a	in specie	AUD	ORD 5,320	5,320
BlackRock Institutional Trust Company, National Association	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD 1,417	1,417
BlackRock Institutional Trust Company, National Association	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD 28,564	28,564
BlackRock Institutional Trust Company, National Association	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD 2,784	2,784
BlackRock Institutional Trust Company, National Association	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD 11,124	11,124
BlackRock Advisors, LLC	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD 41,627	41,627
BlackRock Advisors, LLC	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD 7,253	7,253
BlackRock Asset Management Canada Limited	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD 4,587	4,587
BlackRock International Limited	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD 20,720	20,720
BlackRock Institutional Trust Company, National Association	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD 113,355	113,355
BlackRock Institutional Trust Company, National Association	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD 6,969	6,969
BlackRock Institutional Trust Company, National Association	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD 7,587	7,587
BlackRock Advisors, LLC	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD 8,218	8,218
BlackRock Advisors (UK) Limited	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD 30,574	30,574
BlackRock Advisors (UK) Limited	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD 20,965	20,965
BlackRock Investment Management (UK) Limited	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD 22,075	22,075
BlackRock Financial Management, Inc.	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD 5,689	5,689
BlackRock (Singapore) Limited	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD 27,241	27,241
BlackRock Asset Management Canada Limited	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD 9,503	9,503
BlackRock Asset Management Canada Limited	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD 41,239	41,239
BlackRock Financial Management, Inc.	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD 3,834	3,834
BlackRock Advisors (UK) Limited	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD 6,924	6,924
BlackRock Advisors (UK) Limited	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD 716	716
BlackRock Financial Management, Inc.	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD 3,554	3,554
BlackRock Financial Management, Inc.	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD 3,980	3,980
BlackRock Fund Advisors	12-Dec-22	no	n/a	in specie	AUD	ORD 22,092	22,092
BlackRock Investment Management, LLC	12-Dec-22	no	n/a	collateral transfer	AUD	ORD 325,940	325,940
BlackRock Institutional Trust Company, National Association	13-Dec-22	yes	6.25	on mkt buy	AUD	ORD 637	637
BlackRock Institutional Trust Company, National Association	13-Dec-22	yes	6.25	on mkt buy	AUD	ORD 24,134	24,134
BlackRock Fund Advisors	13-Dec-22	no	n/a	in specie	AUD	ORD 6,134	6,134
BlackRock Fund Advisors	13-Dec-22	no	n/a	in specie	AUD	ORD 1,705	1,705
BlackRock Advisors (UK) Limited	13-Dec-22	yes	6.28	on mkt buy	AUD	ORD 202	202
BlackRock Financial Management, Inc.	13-Dec-22	yes	6.28	on mkt buy	AUD	ORD 4,436	4,436
BlackRock Investment Management (Australia) Limited	13-Dec-22	yes	6.28	on mkt buy	AUD	ORD 80,800	80,800
BlackRock Institutional Trust Company, National Association	13-Dec-22	yes	6.28	on mkt buy	AUD	ORD 11,828	11,828
BlackRock Investment Management (UK) Limited	13-Dec-22	yes	6.28	on mkt buy	AUD	ORD 8,345	8,345
BlackRock Advisors, LLC	13-Dec-22	yes	6.28	on mkt buy	AUD	ORD 39,909	39,909
BlackRock Advisors, LLC	13-Dec-22	yes	6.28	on mkt buy	AUD	ORD 7,691	7,691
BlackRock Asset Management Canada Limited	13-Dec-22	yes	6.28	on mkt buy	AUD	ORD 5,073	5,073
BlackRock International Limited	13-Dec-22	yes	6.28	on mkt buy	AUD	ORD 23,435	23,435

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BlackRock Institutional Trust Company, National Association	13-Dec-22	yes	6.28	on mkt buy	AUD	ORD 118,875	118,875
BlackRock Institutional Trust Company, National Association	13-Dec-22	yes	6.28	on mkt buy	AUD	ORD 5,199	5,199
BlackRock Institutional Trust Company, National Association	13-Dec-22	yes	6.28	on mkt buy	AUD	ORD 6,102	6,102
BlackRock Advisors, LLC	13-Dec-22	yes	6.28	on mkt buy	AUD	ORD 5,973	5,973
BlackRock Advisors (UK) Limited	13-Dec-22	yes	6.28	on mkt buy	AUD	ORD 33,022	33,022
BlackRock Advisors (UK) Limited	13-Dec-22	yes	6.28	on mkt buy	AUD	ORD 22,774	22,774
BlackRock Investment Management (UK) Limited	13-Dec-22	yes	6.28	on mkt buy	AUD	ORD 8,088	8,088
BlackRock Financial Management, Inc.	13-Dec-22	yes	6.28	on mkt buy	AUD	ORD 4,904	4,904
BlackRock (Singapore) Limited	13-Dec-22	yes	6.28	on mkt buy	AUD	ORD 27,629	27,629
BlackRock Asset Management Canada Limited	13-Dec-22	yes	6.28	on mkt buy	AUD	ORD 9,683	9,683
BlackRock Asset Management Canada Limited	13-Dec-22	yes	6.28	on mkt buy	AUD	ORD 43,457	43,457
BlackRock Financial Management, Inc.	13-Dec-22	yes	6.28	on mkt buy	AUD	ORD 4,029	4,029
BlackRock Investment Management (Australia) Limited	13-Dec-22	yes	6.28	on mkt buy	AUD	ORD 56,490	56,490
BlackRock Japan Co., Ltd.	13-Dec-22	no	n/a	collateral transfer	AUD	ORD 7,998	7,998
BlackRock (Singapore) Limited	13-Dec-22	no	n/a	collateral transfer	AUD	ORD 45,027	45,027
BlackRock Advisors (UK) Limited	13-Dec-22	no	n/a	collateral transfer	AUD	ORD 3,743,287	3,743,287
BlackRock Financial Management, Inc.	13-Dec-22	no	n/a	collateral transfer	AUD	ORD 403,798	403,798
BlackRock Asset Management North Asia Limited	13-Dec-22	no	n/a	collateral transfer	AUD	ORD 22,319	22,319
BlackRock Institutional Trust Company, National Association	14-Dec-22	yes	6.20	on mkt buy	AUD	ORD 278	278
BlackRock Institutional Trust Company, National Association	14-Dec-22	yes	6.20	on mkt buy	AUD	ORD 15,009	15,009
BlackRock Investment Management (Australia) Limited	14-Dec-22	yes	6.19	on mkt buy	AUD	ORD 19,147	19,147
BlackRock Investment Management (Australia) Limited	14-Dec-22	yes	6.19	on mkt buy	AUD	ORD 11,460	11,460
BlackRock Institutional Trust Company, National Association	14-Dec-22	yes	6.19	on mkt buy	AUD	ORD 8,650	8,650
BlackRock Institutional Trust Company, National Association	14-Dec-22	yes	6.19	on mkt buy	AUD	ORD 105,086	105,086
BlackRock Institutional Trust Company, National Association	14-Dec-22	yes	6.19	on mkt buy	AUD	ORD 8,484	8,484
BlackRock Institutional Trust Company, National Association	14-Dec-22	yes	6.19	on mkt buy	AUD	ORD 76,305	76,305
BlackRock Advisors (UK) Limited	14-Dec-22	yes	6.19	on mkt buy	AUD	ORD 800	800
BlackRock Japan Co., Ltd.	14-Dec-22	no	n/a	collateral transfer	AUD	ORD 2,619	2,619
BlackRock Investment Management (UK) Limited	14-Dec-22	no	n/a	collateral transfer	AUD	ORD 102,852	102,852
BlackRock Institutional Trust Company, National Association	15-Dec-22	yes	6.17	on mkt buy	AUD	ORD 13,541	13,541
BlackRock Fund Advisors	15-Dec-22	no	n/a	in specie	AUD	ORD 3,395	3,395
BlackRock Advisors (UK) Limited	15-Dec-22	yes	6.15	on mkt buy	AUD	ORD 2,299	2,299
BlackRock Investment Management, LLC	15-Dec-22	yes	6.15	on mkt buy	AUD	ORD 3,717	3,717
BlackRock Institutional Trust Company, National Association	15-Dec-22	yes	6.15	on mkt buy	AUD	ORD 2,975	2,975
BlackRock Institutional Trust Company, National Association	15-Dec-22	yes	6.15	on mkt buy	AUD	ORD 2,107	2,107
BlackRock Advisors, LLC	15-Dec-22	yes	6.15	on mkt buy	AUD	ORD 11,699	11,699
BlackRock Japan Co., Ltd.	15-Dec-22	yes	6.15	on mkt buy	AUD	ORD 46,515	46,515
BlackRock Japan Co., Ltd.	15-Dec-22	yes	6.15	on mkt buy	AUD	ORD 9,210	9,210
BlackRock Japan Co., Ltd.	15-Dec-22	yes	6.15	on mkt buy	AUD	ORD 2,796	2,796
BlackRock Japan Co., Ltd.	15-Dec-22	yes	6.15	on mkt buy	AUD	ORD 3,311	3,311
BlackRock Japan Co., Ltd.	15-Dec-22	yes	6.15	on mkt buy	AUD	ORD 6,081	6,081
BlackRock Advisors, LLC	15-Dec-22	yes	6.15	on mkt buy	AUD	ORD 37,704	37,704
BlackRock Advisors, LLC	15-Dec-22	yes	6.15	on mkt buy	AUD	ORD 164	164
BlackRock Investment Management (UK) Limited	15-Dec-22	yes	6.15	on mkt buy	AUD	ORD 2,353	2,353
BlackRock Investment Management, LLC	15-Dec-22	yes	6.15	on mkt buy	AUD	ORD 31,922	31,922
BlackRock Institutional Trust Company, National Association	15-Dec-22	yes	6.15	on mkt buy	AUD	ORD 2,127	2,127
BlackRock Investment Management (UK) Limited	15-Dec-22	yes	6.15	on mkt buy	AUD	ORD 27,658	27,658

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BlackRock Investment Management, LLC	15-Dec-22	yes	6.15	on mkt buy	AUD	ORD 3,808	3,808
BlackRock Investment Management, LLC	15-Dec-22	yes	6.15	on mkt buy	AUD	ORD 16,297	16,297
BlackRock Advisors (UK) Limited	15-Dec-22	no	n/a	collateral transfer	AUD	ORD 212,295	212,295
BlackRock Financial Management, Inc.	15-Dec-22	no	n/a	collateral transfer	AUD	ORD 311,111	311,111
BlackRock Institutional Trust Company, National Association	16-Dec-22	yes	6.18	on mkt buy	AUD	ORD 2,956	2,956
BlackRock Fund Advisors	16-Dec-22	no	n/a	in specie	AUD	ORD 2,875	2,875
BlackRock Investment Management (Australia) Limited	16-Dec-22	yes	6.20	on mkt buy	AUD	ORD 8,034	8,034
BlackRock Fund Advisors	16-Dec-22	no	n/a	in specie	AUD	ORD 3,896	3,896
BlackRock Advisors (UK) Limited	16-Dec-22	yes	6.23	on mkt buy	AUD	ORD 156	156
BlackRock Institutional Trust Company, National Association	16-Dec-22	yes	6.23	on mkt buy	AUD	ORD 4,577	4,577
BlackRock Investment Management (Australia) Limited	16-Dec-22	yes	6.23	on mkt buy	AUD	ORD 1,472	1,472
BlackRock Investment Management (Australia) Limited	16-Dec-22	yes	6.23	on mkt buy	AUD	ORD 27,080	27,080
BlackRock Investment Management (UK) Limited	16-Dec-22	yes	6.23	on mkt buy	AUD	ORD 3,666	3,666
BlackRock Advisors, LLC	16-Dec-22	yes	6.23	on mkt buy	AUD	ORD 5,994	5,994
BlackRock Investment Management (UK) Limited	16-Dec-22	yes	6.23	on mkt buy	AUD	ORD 33,338	33,338
BlackRock Investment Management (UK) Limited	16-Dec-22	yes	6.23	on mkt buy	AUD	ORD 1,965	1,965
BlackRock International Limited	16-Dec-22	yes	6.23	on mkt buy	AUD	ORD 10,918	10,918
BlackRock Institutional Trust Company, National Association	16-Dec-22	yes	6.23	on mkt buy	AUD	ORD 78,283	78,283
BlackRock Institutional Trust Company, National Association	16-Dec-22	yes	6.23	on mkt buy	AUD	ORD 2,418	2,418
BlackRock Fund Advisors	16-Dec-22	yes	6.23	on mkt buy	AUD	ORD 3,792	3,792
BlackRock Fund Advisors	16-Dec-22	yes	6.23	on mkt buy	AUD	ORD 206	206
BlackRock Investment Management (Australia) Limited	16-Dec-22	yes	6.23	on mkt buy	AUD	ORD 68,760	68,760
BlackRock Advisors (UK) Limited	16-Dec-22	yes	6.23	on mkt buy	AUD	ORD 20,708	20,708
BlackRock Advisors (UK) Limited	16-Dec-22	yes	6.23	on mkt buy	AUD	ORD 13,465	13,465
BlackRock Investment Management (Australia) Limited	16-Dec-22	yes	6.23	on mkt buy	AUD	ORD 3,722	3,722
BlackRock Investment Management (Australia) Limited	16-Dec-22	yes	6.23	on mkt buy	AUD	ORD 202	202
BlackRock Investment Management (UK) Limited	16-Dec-22	yes	6.23	on mkt buy	AUD	ORD 54,064	54,064
BlackRock (Singapore) Limited	16-Dec-22	yes	6.23	on mkt buy	AUD	ORD 9,179	9,179
BlackRock Asset Management Canada Limited	16-Dec-22	yes	6.23	on mkt buy	AUD	ORD 10,322	10,322
BlackRock Investment Management (Australia) Limited	16-Dec-22	yes	6.23	on mkt buy	AUD	ORD 442	442
BlackRock Investment Management (Australia) Limited	16-Dec-22	yes	6.23	on mkt buy	AUD	ORD 8,150	8,150
BlackRock Fund Advisors	16-Dec-22	yes	6.23	on mkt buy	AUD	ORD 18,812	18,812
BlackRock Fund Advisors	16-Dec-22	yes	6.23	on mkt buy	AUD	ORD 1,022	1,022
BlackRock Advisors (UK) Limited	16-Dec-22	no	n/a	collateral transfer	AUD	ORD 179,068	179,068
BlackRock Investment Management (UK) Limited	16-Dec-22	no	n/a	collateral transfer	AUD	ORD 55,146	55,146
BlackRock Fund Advisors	19-Dec-22	no	n/a	in specie	AUD	ORD 1,179	1,179
BlackRock Institutional Trust Company, National Association	19-Dec-22	yes	6.22	on mkt buy	AUD	ORD 2,645	2,645
BlackRock Institutional Trust Company, National Association	19-Dec-22	yes	6.22	on mkt buy	AUD	ORD 31,147	31,147
BlackRock Institutional Trust Company, National Association	19-Dec-22	yes	6.22	on mkt buy	AUD	ORD 11,084	11,084
BlackRock Institutional Trust Company, National Association	19-Dec-22	yes	6.22	on mkt buy	AUD	ORD 10,803	10,803
BlackRock Advisors (UK) Limited	19-Dec-22	yes	6.22	on mkt buy	AUD	ORD 2,002	2,002
BlackRock Advisors (UK) Limited	19-Dec-22	yes	6.22	on mkt buy	AUD	ORD 1,078	1,078
BlackRock Advisors (UK) Limited	19-Dec-22	yes	6.22	on mkt buy	AUD	ORD 392	392
BlackRock Institutional Trust Company, National Association	19-Dec-22	yes	6.22	on mkt buy	AUD	ORD 8,765	8,765
BlackRock Institutional Trust Company, National Association	19-Dec-22	yes	6.22	on mkt buy	AUD	ORD 57,756	57,756
BlackRock Institutional Trust Company, National Association	19-Dec-22	yes	6.22	on mkt buy	AUD	ORD 5,893	5,893

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BlackRock Institutional Trust Company, National Association	19-Dec-22	yes	6.22	on mkt buy	AUD	ORD 82,027	82,027
BlackRock Institutional Trust Company, National Association	19-Dec-22	yes	6.22	on mkt buy	AUD	ORD 37,491	37,491
BlackRock Institutional Trust Company, National Association	20-Dec-22	yes	6.15	on mkt buy	AUD	ORD 3,333	3,333
BlackRock Fund Advisors	20-Dec-22	no	n/a	in specie	AUD	ORD 7,304	7,304
BlackRock Fund Advisors	20-Dec-22	no	n/a	in specie	AUD	ORD 2,455	2,455
BlackRock Advisors (UK) Limited	20-Dec-22	yes	6.07	on mkt buy	AUD	ORD 1,800	1,800
BlackRock Advisors (UK) Limited	20-Dec-22	yes	6.07	on mkt buy	AUD	ORD 360	360
BlackRock Advisors (UK) Limited	20-Dec-22	yes	6.07	on mkt buy	AUD	ORD 1,078	1,078
BlackRock Institutional Trust Company, National Association	20-Dec-22	yes	6.07	on mkt buy	AUD	ORD 5,717	5,717
BlackRock Institutional Trust Company, National Association	20-Dec-22	yes	6.07	on mkt buy	AUD	ORD 43,682	43,682
BlackRock Institutional Trust Company, National Association	20-Dec-22	yes	6.07	on mkt buy	AUD	ORD 4,246	4,246
BlackRock Institutional Trust Company, National Association	20-Dec-22	yes	6.07	on mkt buy	AUD	ORD 57,249	57,249
BlackRock Institutional Trust Company, National Association	20-Dec-22	yes	6.07	on mkt buy	AUD	ORD 27,650	27,650
BlackRock Japan Co., Ltd.	20-Dec-22	no	n/a	collateral transfer	AUD	ORD 9	9
BlackRock Advisors (UK) Limited	20-Dec-22	no	n/a	collateral transfer	AUD	ORD 98,847	98,847
BlackRock Investment Management (UK) Limited	20-Dec-22	no	n/a	collateral transfer	AUD	ORD 1	1
BlackRock Institutional Trust Company, National Association	21-Dec-22	yes	6.12	on mkt buy	AUD	ORD 8,019	8,019
BlackRock Fund Advisors	21-Dec-22	no	n/a	in specie	AUD	ORD 2,304	2,304
BlackRock Fund Advisors	21-Dec-22	no	n/a	in specie	AUD	ORD 2,046	2,046
BlackRock Advisors (UK) Limited	21-Dec-22	yes	6.09	on mkt buy	AUD	ORD 2,172	2,172
BlackRock Advisors (UK) Limited	21-Dec-22	yes	6.09	on mkt buy	AUD	ORD 800	800
BlackRock Investment Management (UK) Limited	21-Dec-22	yes	6.09	on mkt buy	AUD	ORD 4,894	4,894
BlackRock Investment Management (UK) Limited	21-Dec-22	yes	6.09	on mkt buy	AUD	ORD 7,254	7,254
BlackRock Institutional Trust Company, National Association	21-Dec-22	yes	6.09	on mkt buy	AUD	ORD 1,409	1,409
BlackRock Advisors, LLC	21-Dec-22	yes	6.09	on mkt buy	AUD	ORD 169	169
BlackRock Investment Management (UK) Limited	21-Dec-22	yes	6.09	on mkt buy	AUD	ORD 18,970	18,970
BlackRock Financial Management, Inc.	21-Dec-22	yes	6.09	on mkt buy	AUD	ORD 1,639	1,639
BlackRock Investment Management, LLC	21-Dec-22	yes	6.09	on mkt buy	AUD	ORD 4,779	4,779
BlackRock Investment Management, LLC	21-Dec-22	yes	6.09	on mkt buy	AUD	ORD 7,174	7,174
BlackRock (Singapore) Limited	21-Dec-22	no	n/a	collateral transfer	AUD	ORD 22,095	22,095
BlackRock Financial Management, Inc.	21-Dec-22	no	n/a	collateral transfer	AUD	ORD 12,731	12,731
BlackRock Institutional Trust Company, National Association	22-Dec-22	yes	6.14	on mkt buy	AUD	ORD 2,545	2,545
BlackRock Advisors (UK) Limited	22-Dec-22	yes	6.11	on mkt buy	AUD	ORD 10,587	10,587
BlackRock Fund Advisors	22-Dec-22	no	n/a	in specie	AUD	ORD 1,308	1,308
BlackRock Fund Advisors	22-Dec-22	no	n/a	in specie	AUD	ORD 2,180	2,180
BlackRock Fund Advisors	22-Dec-22	no	n/a	in specie	AUD	ORD 2,900	2,900
BlackRock Investment Management (Australia) Limited	22-Dec-22	yes	6.16	on mkt buy	AUD	ORD 11,460	11,460
BlackRock Advisors (UK) Limited	22-Dec-22	yes	6.16	on mkt buy	AUD	ORD 101	101
BlackRock Advisors (UK) Limited	22-Dec-22	no	n/a	collateral transfer	AUD	ORD 683,585	683,585
BlackRock Investment Management, LLC	22-Dec-22	no	n/a	collateral transfer	AUD	ORD 78,942	78,942
BlackRock Investment Management (UK) Limited	22-Dec-22	no	n/a	collateral transfer	AUD	ORD 258,647	258,647
BlackRock Institutional Trust Company, National Association	23-Dec-22	yes	6.12	on mkt buy	AUD	ORD 3,379	3,379
BlackRock Institutional Trust Company, National Association	23-Dec-22	yes	6.11	on mkt buy	AUD	ORD 41,207	41,207
BlackRock Institutional Trust Company, National Association	23-Dec-22	yes	6.11	on mkt buy	AUD	ORD 5,667	5,667
BlackRock Institutional Trust Company, National Association	23-Dec-22	yes	6.11	on mkt buy	AUD	ORD 5,593	5,593
BlackRock Advisors (UK) Limited	23-Dec-22	yes	6.11	on mkt buy	AUD	ORD 2,471	2,471
BlackRock Advisors (UK) Limited	23-Dec-22	yes	6.11	on mkt buy	AUD	ORD 1,765	1,765

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BlackRock Advisors (UK) Limited	23-Dec-22	no	n/a	collateral transfer	AUD	ORD 962,793	962,793
BlackRock Financial Management, Inc.	23-Dec-22	no	n/a	collateral transfer	AUD	ORD 183	183
BlackRock Investment Management, LLC	23-Dec-22	no	n/a	collateral transfer	AUD	ORD 1,604	1,604
APERIO GROUP LLC	23-Dec-22	no	n/a	in specie	AUD	ORD 128,691	128,691
BlackRock Investment Management (UK) Limited	26-Dec-22	no	n/a	collateral transfer	AUD	ORD 57,741	57,741
BlackRock (Singapore) Limited	27-Dec-22	no	n/a	collateral transfer	AUD	ORD 1,170,895	1,170,895
BlackRock Financial Management, Inc.	27-Dec-22	no	n/a	collateral transfer	AUD	ORD 1,772,090	1,772,090
BlackRock Investment Management (UK) Limited	27-Dec-22	no	n/a	collateral transfer	AUD	ORD 872,493	872,493
BlackRock Japan Co., Ltd.	28-Dec-22	yes	6.08	on mkt buy	AUD	ORD 23,487	23,487
BlackRock Fund Advisors	28-Dec-22	no	n/a	in specie	AUD	ORD 651	651
BlackRock Institutional Trust Company, National Association	28-Dec-22	yes	6.08	on mkt buy	AUD	ORD 704	704
BlackRock Institutional Trust Company, National Association	28-Dec-22	yes	6.08	on mkt buy	AUD	ORD 711	711
BlackRock Fund Advisors	28-Dec-22	no	n/a	in specie	AUD	ORD 3,410	3,410
BlackRock Fund Advisors	28-Dec-22	no	n/a	in specie	AUD	ORD 3,069	3,069
BlackRock Advisors (UK) Limited	28-Dec-22	yes	6.08	on mkt buy	AUD	ORD 308	308
BlackRock Advisors (UK) Limited	28-Dec-22	yes	6.08	on mkt buy	AUD	ORD 308	308
BlackRock Advisors (UK) Limited	28-Dec-22	yes	6.08	on mkt buy	AUD	ORD 648	648
BlackRock (Singapore) Limited	28-Dec-22	no	n/a	collateral transfer	AUD	ORD 147,495	147,495
BlackRock Advisors (UK) Limited	28-Dec-22	no	n/a	collateral transfer	AUD	ORD 5,428	5,428
BlackRock Financial Management, Inc.	28-Dec-22	no	n/a	collateral transfer	AUD	ORD 18,357	18,357
BlackRock Institutional Trust Company, National Association	29-Dec-22	yes	5.97	on mkt buy	AUD	ORD 2,878	2,878
BlackRock Advisors (UK) Limited	29-Dec-22	yes	5.94	on mkt buy	AUD	ORD 4,258	4,258
BlackRock Advisors (UK) Limited	29-Dec-22	yes	5.94	on mkt buy	AUD	ORD 158	158
BlackRock Advisors (UK) Limited	29-Dec-22	yes	5.94	on mkt buy	AUD	ORD 324	324
BlackRock Advisors (UK) Limited	29-Dec-22	yes	5.94	on mkt buy	AUD	ORD 486	486
BlackRock Advisors (UK) Limited	29-Dec-22	no	n/a	collateral transfer	AUD	ORD 3,631,671	3,631,671
BlackRock Institutional Trust Company, National Association	30-Dec-22	yes	6.02	on mkt buy	AUD	ORD 12,489	12,489
BlackRock Investment Management (Australia) Limited	30-Dec-22	yes	6.02	on mkt buy	AUD	ORD 2,239	2,239
BlackRock Advisors (UK) Limited	30-Dec-22	yes	6.01	on mkt buy	AUD	ORD 393	393
BlackRock Advisors (UK) Limited	30-Dec-22	yes	6.01	on mkt buy	AUD	ORD 1,127	1,127
BlackRock Investment Management (Australia) Limited	30-Dec-22	yes	6.01	on mkt buy	AUD	ORD 3,824	3,824
BlackRock Financial Management, Inc.	30-Dec-22	yes	6.01	on mkt buy	AUD	ORD 2,635	2,635
APERIO GROUP LLC	30-Dec-22	no	n/a	in specie	AUD	ORD 61,079	61,079
BlackRock Investment Management (UK) Limited	02-Jan-23	no	n/a	collateral transfer	AUD	ORD 3	3
BlackRock Institutional Trust Company, National Association	03-Jan-23	yes	5.93	on mkt buy	AUD	ORD 8,283	8,283
BlackRock Investment Management (Australia) Limited	03-Jan-23	yes	5.94	on mkt buy	AUD	ORD 9,550	9,550
BlackRock Institutional Trust Company, National Association	03-Jan-23	yes	5.94	on mkt buy	AUD	ORD 11,750	11,750
BlackRock Institutional Trust Company, National Association	03-Jan-23	yes	5.94	on mkt buy	AUD	ORD 109,569	109,569
BlackRock Advisors (UK) Limited	03-Jan-23	no	n/a	collateral transfer	AUD	ORD 578,298	578,298
BlackRock Fund Advisors	04-Jan-23	no	n/a	in specie	AUD	ORD 2,472	2,472
BlackRock Institutional Trust Company, National Association	04-Jan-23	yes	6.05	on mkt buy	AUD	ORD 3,363	3,363
BlackRock Advisors (UK) Limited	04-Jan-23	yes	6.07	on mkt buy	AUD	ORD 3,854	3,854
BlackRock Advisors (UK) Limited	04-Jan-23	yes	6.07	on mkt buy	AUD	ORD 775	775
BlackRock Advisors (UK) Limited	04-Jan-23	yes	6.07	on mkt buy	AUD	ORD 202	202
BlackRock Advisors (UK) Limited	04-Jan-23	yes	6.07	on mkt buy	AUD	ORD 188	188
BlackRock Institutional Trust Company, National Association	04-Jan-23	yes	6.07	on mkt buy	AUD	ORD 14,982	14,982
BlackRock Institutional Trust Company, National Association	04-Jan-23	yes	6.07	on mkt buy	AUD	ORD 18,638	18,638
BlackRock Advisors (UK) Limited	04-Jan-23	no	n/a	collateral transfer	AUD	ORD 414,891	414,891

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BlackRock Investment Management (UK) Limited	04-Jan-23	no	n/a	collateral transfer	AUD	ORD 12	12
BlackRock Institutional Trust Company, National Association	05-Jan-23	yes	6.19	on mkt buy	AUD	ORD 5,543	5,543
BlackRock Institutional Trust Company, National Association	05-Jan-23	yes	6.21	on mkt buy	AUD	ORD 509	509
BlackRock Institutional Trust Company, National Association	05-Jan-23	yes	6.21	on mkt buy	AUD	ORD 191	191
BlackRock Investment Management (UK) Limited	05-Jan-23	yes	6.21	on mkt buy	AUD	ORD 2,051	2,051
BlackRock Investment Management (UK) Limited	05-Jan-23	yes	6.21	on mkt buy	AUD	ORD 5,445	5,445
BlackRock Advisors, LLC	05-Jan-23	yes	6.21	on mkt buy	AUD	ORD 1,671	1,671
BlackRock Advisors, LLC	05-Jan-23	yes	6.21	on mkt buy	AUD	ORD 629	629
BlackRock Advisors, LLC	05-Jan-23	yes	6.21	on mkt buy	AUD	ORD 7,459	7,459
BlackRock Advisors, LLC	05-Jan-23	yes	6.21	on mkt buy	AUD	ORD 2,813	2,813
BlackRock Advisors, LLC	05-Jan-23	yes	6.21	on mkt buy	AUD	ORD 48	48
BlackRock Advisors, LLC	05-Jan-23	yes	6.21	on mkt buy	AUD	ORD 130	130
BlackRock Investment Management (UK) Limited	05-Jan-23	yes	6.21	on mkt buy	AUD	ORD 1,802	1,802
BlackRock Investment Management (UK) Limited	05-Jan-23	yes	6.21	on mkt buy	AUD	ORD 4,778	4,778
BlackRock Institutional Trust Company, National Association	06-Jan-23	yes	6.30	on mkt buy	AUD	ORD 1,747	1,747
BlackRock Investment Management (UK) Limited	06-Jan-23	yes	6.29	on mkt buy	AUD	ORD 300,404	300,404
BlackRock Fund Advisors	06-Jan-23	yes	6.29	on mkt buy	AUD	ORD 20,124	20,124
BlackRock Investment Management (UK) Limited	06-Jan-23	yes	6.29	on mkt buy	AUD	ORD 21,137	21,137
BlackRock Investment Management (UK) Limited	06-Jan-23	yes	6.29	on mkt buy	AUD	ORD 63,352	63,352
BlackRock Financial Management, Inc.	06-Jan-23	yes	6.29	on mkt buy	AUD	ORD 23,410	23,410
BlackRock Financial Management, Inc.	06-Jan-23	yes	6.29	on mkt buy	AUD	ORD 33,441	33,441
BlackRock Financial Management, Inc.	06-Jan-23	yes	6.29	on mkt buy	AUD	ORD 4,851	4,851
BlackRock Institutional Trust Company, National Association	06-Jan-23	yes	6.29	on mkt buy	AUD	ORD 4,973	4,973
BlackRock Advisors (UK) Limited	06-Jan-23	yes	6.28	on mkt buy	AUD	ORD 6,846	6,846
BlackRock Advisors (UK) Limited	06-Jan-23	yes	6.28	on mkt buy	AUD	ORD 2,763	2,763
BlackRock Advisors (UK) Limited	06-Jan-23	no	n/a	collateral transfer	AUD	ORD 1,448,083	1,448,083
BlackRock Financial Management, Inc.	06-Jan-23	no	n/a	collateral transfer	AUD	ORD 1,382,028	1,382,028
BlackRock Investment Management, LLC	06-Jan-23	no	n/a	collateral transfer	AUD	ORD 127,084	127,084
BlackRock Investment Management (UK) Limited	06-Jan-23	no	n/a	collateral transfer	AUD	ORD 1,428,150	1,428,150
BlackRock Fund Advisors	09-Jan-23	no	n/a	in specie	AUD	ORD 1,798	1,798
BlackRock Investment Management (Australia) Limited	09-Jan-23	yes	6.40	on mkt buy	AUD	ORD 19,080	19,080
BlackRock Advisors (UK) Limited	09-Jan-23	yes	6.40	on mkt buy	AUD	ORD 4,586	4,586
BlackRock Advisors (UK) Limited	09-Jan-23	yes	6.40	on mkt buy	AUD	ORD 1,730	1,730
BlackRock Fund Advisors	09-Jan-23	no	n/a	in specie	AUD	ORD 25,564	25,564
BlackRock (Singapore) Limited	09-Jan-23	no	n/a	collateral transfer	AUD	ORD 51,388	51,388
BlackRock Advisors (UK) Limited	09-Jan-23	no	n/a	collateral transfer	AUD	ORD 556,732	556,732
BlackRock Investment Management (UK) Limited	09-Jan-23	no	n/a	collateral transfer	AUD	ORD 1,720,150	1,720,150
BlackRock Investment Management (UK) Limited	10-Jan-23	yes	6.34	on mkt buy	AUD	ORD 3,338	3,338
BlackRock Advisors, LLC	10-Jan-23	yes	6.34	on mkt buy	AUD	ORD 21,800	21,800
BlackRock Institutional Trust Company, National Association	10-Jan-23	yes	6.34	on mkt buy	AUD	ORD 1,706	1,706
BlackRock Institutional Trust Company, National Association	10-Jan-23	yes	6.34	on mkt buy	AUD	ORD 6,764	6,764
BlackRock Advisors, LLC	10-Jan-23	yes	6.34	on mkt buy	AUD	ORD 2,928	2,928
BlackRock International Limited	10-Jan-23	yes	6.34	on mkt buy	AUD	ORD 1,793	1,793
BlackRock Investment Management, LLC	10-Jan-23	yes	6.34	on mkt buy	AUD	ORD 1,869	1,869
BlackRock Advisors (UK) Limited	10-Jan-23	yes	6.33	on mkt buy	AUD	ORD 12,774	12,774
BlackRock Advisors (UK) Limited	10-Jan-23	yes	6.33	on mkt buy	AUD	ORD 300	300
BlackRock Financial Management, Inc.	10-Jan-23	yes	6.33	on mkt buy	AUD	ORD 6,224	6,224
BlackRock Institutional Trust Company, National Association	11-Jan-23	yes	6.40	on mkt buy	AUD	ORD 330	330
BlackRock Fund Advisors	11-Jan-23	no	n/a	in specie	AUD	ORD 9,315	9,315
BlackRock Fund Advisors	11-Jan-23	no	n/a	in specie	AUD	ORD 1,848	1,848

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			Cash	Non-cash	CCY		
BlackRock Fund Advisors	11-Jan-23	no	n/a	in specie	AUD	ORD 6,210	6,210
BlackRock Fund Advisors	11-Jan-23	no	n/a	in specie	AUD	ORD 6,210	6,210
BlackRock Advisors (UK) Limited	11-Jan-23	yes	6.38	on mkt buy	AUD	ORD 6,387	6,387
BlackRock Advisors (UK) Limited	11-Jan-23	yes	6.38	on mkt buy	AUD	ORD 486	486
BlackRock Advisors (UK) Limited	11-Jan-23	yes	6.38	on mkt buy	AUD	ORD 1,290	1,290
BlackRock Advisors (UK) Limited	11-Jan-23	yes	6.38	on mkt buy	AUD	ORD 774	774
BlackRock Investment Management (UK) Limited	11-Jan-23	yes	6.38	on mkt buy	AUD	ORD 49,733	49,733
BlackRock Investment Management (UK) Limited	11-Jan-23	yes	6.38	on mkt buy	AUD	ORD 86,542	86,542
BlackRock Fund Advisors	11-Jan-23	no	n/a	in specie	AUD	ORD 6,555	6,555
BlackRock Fund Advisors	11-Jan-23	no	n/a	in specie	AUD	ORD 29,216	29,216
BlackRock Fund Advisors	11-Jan-23	no	n/a	in specie	AUD	ORD 6,210	6,210
BlackRock Institutional Trust Company, National Association	12-Jan-23	yes	6.43	on mkt buy	AUD	ORD 4,517	4,517
BlackRock Fund Advisors	12-Jan-23	no	n/a	in specie	AUD	ORD 13,110	13,110
BlackRock Fund Advisors	12-Jan-23	no	n/a	in specie	AUD	ORD 9,261	9,261
BlackRock Fund Advisors	12-Jan-23	no	n/a	in specie	AUD	ORD 6,174	6,174
BlackRock Fund Advisors	12-Jan-23	no	n/a	in specie	AUD	ORD 9,261	9,261
BlackRock Investment Management (Australia) Limited	12-Jan-23	yes	6.42	on mkt buy	AUD	ORD 36,271	36,271
BlackRock Advisors (UK) Limited	12-Jan-23	yes	6.42	on mkt buy	AUD	ORD 1,384	1,384
BlackRock Institutional Trust Company, National Association	12-Jan-23	yes	6.42	on mkt buy	AUD	ORD 1,683	1,683
BlackRock Investment Management (UK) Limited	12-Jan-23	yes	6.42	on mkt buy	AUD	ORD 387	387
BlackRock Advisors, LLC	12-Jan-23	yes	6.42	on mkt buy	AUD	ORD 3,986	3,986
BlackRock Advisors, LLC	12-Jan-23	yes	6.42	on mkt buy	AUD	ORD 14,570	14,570
BlackRock Advisors, LLC	12-Jan-23	yes	6.42	on mkt buy	AUD	ORD 152	152
BlackRock Japan Co., Ltd.	12-Jan-23	no	n/a	collateral transfer	AUD	ORD 48,477	48,477
BlackRock (Singapore) Limited	12-Jan-23	no	n/a	collateral transfer	AUD	ORD 13,970	13,970
BlackRock Advisors (UK) Limited	12-Jan-23	no	n/a	collateral transfer	AUD	ORD 61,014	61,014
BlackRock Financial Management, Inc.	12-Jan-23	no	n/a	collateral transfer	AUD	ORD 581,906	581,906
BlackRock Investment Management (UK) Limited	12-Jan-23	no	n/a	collateral transfer	AUD	ORD 454,651	454,651
BlackRock Institutional Trust Company, National Association	13-Jan-23	yes	6.49	on mkt buy	AUD	ORD 9,635	9,635
BlackRock Fund Advisors	13-Jan-23	no	n/a	in specie	AUD	ORD 10,956	10,956
BlackRock Fund Advisors	13-Jan-23	no	n/a	in specie	AUD	ORD 3,652	3,652
BlackRock Fund Advisors	13-Jan-23	no	n/a	in specie	AUD	ORD 25,564	25,564
BlackRock Advisors (UK) Limited	13-Jan-23	yes	6.47	on mkt buy	AUD	ORD 972	972
BlackRock Fund Advisors	13-Jan-23	no	n/a	in specie	AUD	ORD 18,260	18,260
BlackRock Fund Advisors	13-Jan-23	no	n/a	in specie	AUD	ORD 43,824	43,824
BlackRock (Singapore) Limited	13-Jan-23	no	n/a	collateral transfer	AUD	ORD 502,618	502,618
BlackRock Advisors (UK) Limited	13-Jan-23	no	n/a	collateral transfer	AUD	ORD 405,295	405,295
BlackRock Investment Management (UK) Limited	13-Jan-23	no	n/a	collateral transfer	AUD	ORD 71,869	71,869
APERIO GROUP LLC	13-Jan-23	no	n/a	in specie	AUD	ORD 61,079	61,079
BlackRock Institutional Trust Company, National Association	16-Jan-23	yes	6.57	on mkt buy	AUD	ORD 10,573	10,573
BlackRock Advisors (UK) Limited	16-Jan-23	yes	6.56	on mkt buy	AUD	ORD 8,516	8,516
BlackRock Investment Management (UK) Limited	16-Jan-23	yes	6.56	on mkt buy	AUD	ORD 2,941	2,941
BlackRock Investment Management, LLC	16-Jan-23	no	n/a	collateral transfer	AUD	ORD 707,048	707,048
BlackRock Fund Advisors	17-Jan-23	no	n/a	in specie	AUD	ORD 3,972	3,972
BlackRock Fund Advisors	17-Jan-23	no	n/a	in specie	AUD	ORD 7,304	7,304
BlackRock Fund Advisors	17-Jan-23	no	n/a	in specie	AUD	ORD 3,652	3,652
BlackRock Institutional Trust Company, National Association	17-Jan-23	yes	6.55	on mkt buy	AUD	ORD 15,366	15,366
BlackRock Advisors (UK) Limited	17-Jan-23	yes	6.56	on mkt buy	AUD	ORD 18,224	18,224
BlackRock Advisors (UK) Limited	17-Jan-23	yes	6.54	on mkt buy	AUD	ORD 2,278	2,278
BlackRock Advisors (UK) Limited	17-Jan-23	yes	6.54	on mkt buy	AUD	ORD 706	706
BlackRock Advisors (UK) Limited	17-Jan-23	yes	6.54	on mkt buy	AUD	ORD 2,118	2,118
BlackRock Advisors (UK) Limited	17-Jan-23	yes	6.54	on mkt buy	AUD	ORD 2,254	2,254
BlackRock Advisors (UK) Limited	17-Jan-23	yes	6.54	on mkt buy	AUD	ORD 3,381	3,381
BlackRock Advisors (UK) Limited	17-Jan-23	yes	6.54	on mkt buy	AUD	ORD 166	166
BlackRock Investment Management (UK) Limited	17-Jan-23	yes	6.54	on mkt buy	AUD	ORD 1,759	1,759

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			Cash	Non-cash	CCY			
BlackRock Japan Co., Ltd.	17-Jan-23	no	n/a	collateral transfer	AUD	ORD	2,246	2,246
BlackRock (Singapore) Limited	17-Jan-23	no	n/a	collateral transfer	AUD	ORD	28,909	28,909
BlackRock Advisors (UK) Limited	17-Jan-23	no	n/a	collateral transfer	AUD	ORD	546,841	546,841
BlackRock Financial Management, Inc.	17-Jan-23	no	n/a	collateral transfer	AUD	ORD	2,766	2,766
BlackRock Investment Management, LLC	17-Jan-23	no	n/a	collateral transfer	AUD	ORD	53,567	53,567
BlackRock Investment Management (UK) Limited	17-Jan-23	no	n/a	collateral transfer	AUD	ORD	108,045	108,045
BlackRock Asset Management North Asia Limited	17-Jan-23	no	n/a	collateral transfer	AUD	ORD	9,276	9,276
BlackRock Institutional Trust Company, National Association	18-Jan-23	yes	6.61	on mkt buy	AUD	ORD	19,006	19,006
BlackRock Investment Management (Australia) Limited	18-Jan-23	yes	6.62	on mkt buy	AUD	ORD	3,977	3,977
BlackRock Advisors (UK) Limited	18-Jan-23	yes	6.57	on mkt buy	AUD	ORD	4,542	4,542
BlackRock Advisors (UK) Limited	18-Jan-23	yes	6.57	on mkt buy	AUD	ORD	4,258	4,258
BlackRock Advisors (UK) Limited	18-Jan-23	yes	6.57	on mkt buy	AUD	ORD	960	960
BlackRock Advisors (UK) Limited	18-Jan-23	yes	6.57	on mkt buy	AUD	ORD	198	198
BlackRock Japan Co., Ltd.	18-Jan-23	no	n/a	collateral transfer	AUD	ORD	18	18
BlackRock (Singapore) Limited	18-Jan-23	no	n/a	collateral transfer	AUD	ORD	801	801
BlackRock Advisors (UK) Limited	18-Jan-23	no	n/a	collateral transfer	AUD	ORD	3,832,219	3,832,219
BlackRock Institutional Trust Company, National Association	19-Jan-23	yes	6.55	on mkt buy	AUD	ORD	17,597	17,597
BlackRock Institutional Trust Company, National Association	19-Jan-23	yes	6.54	on mkt buy	AUD	ORD	2,105	2,105
BlackRock Advisors, LLC	19-Jan-23	yes	6.54	on mkt buy	AUD	ORD	6,520	6,520
BlackRock Advisors, LLC	19-Jan-23	yes	6.54	on mkt buy	AUD	ORD	22,858	22,858
BlackRock Advisors, LLC	19-Jan-23	yes	6.54	on mkt buy	AUD	ORD	443	443
BlackRock Investment Management, LLC	19-Jan-23	yes	6.54	on mkt buy	AUD	ORD	7,009	7,009
BlackRock Investment Management, LLC	19-Jan-23	yes	6.54	on mkt buy	AUD	ORD	15,654	15,654
BlackRock (Singapore) Limited	19-Jan-23	no	n/a	collateral transfer	AUD	ORD	1,393	1,393
BlackRock Financial Management, Inc.	19-Jan-23	no	n/a	collateral transfer	AUD	ORD	196	196
BlackRock Investment Management, LLC	19-Jan-23	no	n/a	collateral transfer	AUD	ORD	29,540	29,540
BlackRock Investment Management (UK) Limited	19-Jan-23	no	n/a	collateral transfer	AUD	ORD	7,558	7,558
APERIO GROUP LLC	19-Jan-23	no	n/a	in specie	AUD	ORD	19,029	19,029
BlackRock Institutional Trust Company, National Association	20-Jan-23	yes	6.55	on mkt buy	AUD	ORD	7,520	7,520
BlackRock Investment Management (Australia) Limited	20-Jan-23	yes	6.54	on mkt buy	AUD	ORD	777	777
BlackRock Fund Advisors	20-Jan-23	no	n/a	in specie	AUD	ORD	2,860	2,860
BlackRock Fund Advisors	20-Jan-23	no	n/a	in specie	AUD	ORD	34,320	34,320
BlackRock Institutional Trust Company, National Association	20-Jan-23	yes	6.56	on mkt buy	AUD	ORD	5,911	5,911
BlackRock Investment Management (UK) Limited	20-Jan-23	yes	6.56	on mkt buy	AUD	ORD	78,230	78,230
BlackRock Institutional Trust Company, National Association	20-Jan-23	yes	6.56	on mkt buy	AUD	ORD	13,875	13,875
BlackRock Investment Management, LLC	20-Jan-23	no	n/a	collateral transfer	AUD	ORD	79,296	79,296
BlackRock Investment Management (UK) Limited	20-Jan-23	no	n/a	collateral transfer	AUD	ORD	12,619	12,619
BlackRock Fund Advisors	23-Jan-23	no	n/a	in specie	AUD	ORD	130	130
BlackRock Fund Advisors	23-Jan-23	no	n/a	in specie	AUD	ORD	12,892	12,892
BlackRock Institutional Trust Company, National Association	23-Jan-23	yes	6.58	on mkt buy	AUD	ORD	5,423	5,423
BlackRock Investment Management (Australia) Limited	23-Jan-23	yes	6.56	on mkt buy	AUD	ORD	7,636	7,636
BlackRock Advisors (UK) Limited	23-Jan-23	yes	6.56	on mkt buy	AUD	ORD	1,715	1,715
BlackRock Advisors (UK) Limited	23-Jan-23	yes	6.56	on mkt buy	AUD	ORD	948	948
BlackRock Financial Management, Inc.	23-Jan-23	yes	6.56	on mkt buy	AUD	ORD	2,811	2,811
BlackRock Japan Co., Ltd.	23-Jan-23	no	n/a	collateral transfer	AUD	ORD	450	450
BlackRock Financial Management, Inc.	23-Jan-23	no	n/a	collateral transfer	AUD	ORD	67	67

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BlackRock Investment Management (UK) Limited	23-Jan-23	no	n/a	collateral transfer	AUD	ORD 357,442	357,442
BlackRock Institutional Trust Company, National Association	24-Jan-23	yes	6.43	on mkt buy	AUD	ORD 3,417	3,417
BlackRock Advisors (UK) Limited	24-Jan-23	yes	6.41	on mkt buy	AUD	ORD 95	95
BlackRock Advisors, LLC	24-Jan-23	yes	6.41	on mkt buy	AUD	ORD 36,091	36,091
BlackRock Advisors, LLC	24-Jan-23	yes	6.41	on mkt buy	AUD	ORD 6,214	6,214
BlackRock Asset Management Canada Limited	24-Jan-23	yes	6.41	on mkt buy	AUD	ORD 7,794	7,794
BlackRock Asset Management Canada Limited	24-Jan-23	yes	6.41	on mkt buy	AUD	ORD 35,154	35,154
BlackRock (Singapore) Limited	24-Jan-23	no	n/a	collateral transfer	AUD	ORD 1,908	1,908
BlackRock Advisors (UK) Limited	24-Jan-23	no	n/a	collateral transfer	AUD	ORD 5	5
APERIO GROUP LLC	24-Jan-23	no	n/a	in specie	AUD	ORD 5,319	5,319
BlackRock Fund Advisors	25-Jan-23	no	n/a	in specie	AUD	ORD 1,158	1,158
BlackRock Fund Advisors	25-Jan-23	no	n/a	in specie	AUD	ORD 1,026	1,026
BlackRock Institutional Trust Company, National Association	25-Jan-23	yes	6.47	on mkt buy	AUD	ORD 558	558
BlackRock Advisors (UK) Limited	25-Jan-23	yes	6.47	on mkt buy	AUD	ORD 6,813	6,813
BlackRock Advisors (UK) Limited	25-Jan-23	yes	6.47	on mkt buy	AUD	ORD 616	616
BlackRock Institutional Trust Company, National Association	25-Jan-23	yes	6.47	on mkt buy	AUD	ORD 5,263	5,263
BlackRock Institutional Trust Company, National Association	25-Jan-23	yes	6.47	on mkt buy	AUD	ORD 48,548	48,548
BlackRock Institutional Trust Company, National Association	25-Jan-23	yes	6.47	on mkt buy	AUD	ORD 5,626	5,626
BlackRock Institutional Trust Company, National Association	25-Jan-23	yes	6.47	on mkt buy	AUD	ORD 48,002	48,002
BlackRock Institutional Trust Company, National Association	25-Jan-23	yes	6.47	on mkt buy	AUD	ORD 22,025	22,025
BlackRock Japan Co., Ltd.	25-Jan-23	no	n/a	collateral transfer	AUD	ORD 554	554
BlackRock (Singapore) Limited	25-Jan-23	no	n/a	collateral transfer	AUD	ORD 3,313	3,313
BlackRock Advisors (UK) Limited	25-Jan-23	no	n/a	collateral transfer	AUD	ORD 3,268,578	3,268,578
BlackRock Financial Management, Inc.	25-Jan-23	no	n/a	collateral transfer	AUD	ORD 624	624
BlackRock Investment Management, LLC	25-Jan-23	no	n/a	collateral transfer	AUD	ORD 3,686,514	3,686,514
BlackRock Investment Management (UK) Limited	25-Jan-23	no	n/a	collateral transfer	AUD	ORD 635,172	635,172
BlackRock Asset Management North Asia Limited	25-Jan-23	no	n/a	collateral transfer	AUD	ORD 1,070	1,070
BlackRock Fund Advisors	26-Jan-23	no	n/a	in specie	AUD	ORD 195	195
BlackRock Fund Advisors	26-Jan-23	no	n/a	in specie	AUD	ORD 6,555	6,555
BlackRock (Singapore) Limited	26-Jan-23	no	n/a	collateral transfer	AUD	ORD 373	373
BlackRock Financial Management, Inc.	26-Jan-23	no	n/a	collateral transfer	AUD	ORD 492	492
BlackRock Asset Management North Asia Limited	26-Jan-23	no	n/a	collateral transfer	AUD	ORD 280	280
BlackRock Investment Management (Australia) Limited	27-Jan-23	yes	6.50	on mkt buy	AUD	ORD 1,878	1,878
BlackRock Fund Advisors	27-Jan-23	no	n/a	in specie	AUD	ORD 32,868	32,868
BlackRock Fund Advisors	27-Jan-23	no	n/a	in specie	AUD	ORD 11,440	11,440
BlackRock Advisors (UK) Limited	27-Jan-23	yes	6.49	on mkt buy	AUD	ORD 4,534	4,534
BlackRock Advisors (UK) Limited	27-Jan-23	yes	6.49	on mkt buy	AUD	ORD 42,580	42,580
BlackRock Advisors (UK) Limited	27-Jan-23	yes	6.49	on mkt buy	AUD	ORD 770	770
BlackRock Advisors (UK) Limited	27-Jan-23	yes	6.49	on mkt buy	AUD	ORD 948	948
BlackRock Advisors (UK) Limited	27-Jan-23	yes	6.49	on mkt buy	AUD	ORD 520	520
BlackRock Advisors (UK) Limited	27-Jan-23	yes	6.49	on mkt buy	AUD	ORD 928	928
BlackRock Investment Management (Australia) Limited	27-Jan-23	yes	6.49	on mkt buy	AUD	ORD 17,373	17,373
BlackRock Advisors, LLC	27-Jan-23	yes	6.49	on mkt buy	AUD	ORD 11,453	11,453
BlackRock Asset Management Canada Limited	27-Jan-23	yes	6.49	on mkt buy	AUD	ORD 8,433	8,433
BlackRock Japan Co., Ltd.	27-Jan-23	no	n/a	collateral transfer	AUD	ORD 17,473	17,473
BlackRock (Singapore) Limited	27-Jan-23	no	n/a	collateral transfer	AUD	ORD 224,878	224,878
BlackRock Advisors (UK) Limited	27-Jan-23	no	n/a	collateral transfer	AUD	ORD 1,557,960	1,557,960

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BlackRock Financial Management, Inc.	27-Jan-23	no	n/a	collateral transfer	AUD	ORD 481,527	481,527
BlackRock Investment Management (UK) Limited	27-Jan-23	no	n/a	collateral transfer	AUD	ORD 2,288,229	2,288,229
BlackRock Asset Management North Asia Limited	27-Jan-23	no	n/a	collateral transfer	AUD	ORD 56,540	56,540
BlackRock Investment Management, LLC	30-Jan-23	no	n/a	in specie	AUD	ORD 180,927	180,927
BlackRock Investment Management, LLC	30-Jan-23	no	n/a	in specie	AUD	ORD 69,424	69,424
BlackRock Fund Advisors	30-Jan-23	no	n/a	in specie	AUD	ORD 7,304	7,304
BlackRock Fund Advisors	30-Jan-23	no	n/a	in specie	AUD	ORD 6,555	6,555
BlackRock Fund Advisors	30-Jan-23	no	n/a	in specie	AUD	ORD 6,555	6,555
BlackRock Advisors (UK) Limited	30-Jan-23	yes	6.38	on mkt buy	AUD	ORD 780	780
BlackRock Institutional Trust Company, National Association	30-Jan-23	yes	6.38	on mkt buy	AUD	ORD 16,668	16,668
BlackRock Fund Advisors	30-Jan-23	yes	6.38	on mkt buy	AUD	ORD 32,409	32,409
BlackRock Japan Co., Ltd.	30-Jan-23	no	n/a	collateral transfer	AUD	ORD 116,907	116,907
BlackRock Advisors (UK) Limited	30-Jan-23	no	n/a	collateral transfer	AUD	ORD 2,640,380	2,640,380
BlackRock Investment Management, LLC	30-Jan-23	no	n/a	collateral transfer	AUD	ORD 2,405,032	2,405,032
BlackRock Investment Management (UK) Limited	30-Jan-23	no	n/a	collateral transfer	AUD	ORD 2,604,352	2,604,352
BlackRock Investment Management (Australia) Limited	31-Jan-23	yes	6.33	on mkt buy	AUD	ORD 2,689	2,689
BlackRock Fund Advisors	31-Jan-23	no	n/a	in specie	AUD	ORD 6,555	6,555
BlackRock Advisors (UK) Limited	31-Jan-23	yes	6.34	on mkt buy	AUD	ORD 6,816	6,816
BlackRock Advisors (UK) Limited	31-Jan-23	yes	6.34	on mkt buy	AUD	ORD 318	318
BlackRock Advisors (UK) Limited	31-Jan-23	yes	6.34	on mkt buy	AUD	ORD 471	471
BlackRock Investment Management (UK) Limited	31-Jan-23	yes	6.34	on mkt buy	AUD	ORD 42,351	42,351
BlackRock Investment Management (UK) Limited	31-Jan-23	yes	6.34	on mkt buy	AUD	ORD 61,337	61,337
BlackRock Institutional Trust Company, National Association	31-Jan-23	yes	6.34	on mkt buy	AUD	ORD 17,276	17,276
BlackRock Institutional Trust Company, National Association	31-Jan-23	yes	6.34	on mkt buy	AUD	ORD 10,048	10,048
BlackRock (Singapore) Limited	31-Jan-23	no	n/a	collateral transfer	AUD	ORD 57,602	57,602
BlackRock Financial Management, Inc.	31-Jan-23	no	n/a	collateral transfer	AUD	ORD 8,089	8,089
BlackRock Asset Management North Asia Limited	31-Jan-23	no	n/a	collateral transfer	AUD	ORD 11,932	11,932
APERIO GROUP LLC	31-Jan-23	no	n/a	in specie	AUD	ORD 123,249	123,249
BlackRock Fund Advisors	01-Feb-23	no	n/a	in specie	AUD	ORD 14,608	14,608
BlackRock Fund Advisors	01-Feb-23	no	n/a	in specie	AUD	ORD 6,555	6,555
BlackRock Fund Advisors	01-Feb-23	no	n/a	in specie	AUD	ORD 6,555	6,555
BlackRock Fund Advisors	01-Feb-23	no	n/a	in specie	AUD	ORD 18,986	18,986
BlackRock Investment Management (Australia) Limited	01-Feb-23	yes	6.41	on mkt buy	AUD	ORD 2,049	2,049
BlackRock Advisors (UK) Limited	01-Feb-23	yes	6.40	on mkt buy	AUD	ORD 342	342
BlackRock Advisors (UK) Limited	01-Feb-23	yes	6.40	on mkt buy	AUD	ORD 1,368	1,368
BlackRock Advisors (UK) Limited	01-Feb-23	yes	6.40	on mkt buy	AUD	ORD 404	404
BlackRock Institutional Trust Company, National Association	01-Feb-23	yes	6.40	on mkt buy	AUD	ORD 33,833	33,833
BlackRock Institutional Trust Company, National Association	01-Feb-23	yes	6.40	on mkt buy	AUD	ORD 17,410	17,410
BlackRock Advisors, LLC	01-Feb-23	yes	6.40	on mkt buy	AUD	ORD 5,878	5,878
BlackRock (Singapore) Limited	01-Feb-23	no	n/a	collateral transfer	AUD	ORD 2,928,100	2,928,100
BlackRock Advisors (UK) Limited	01-Feb-23	no	n/a	collateral transfer	AUD	ORD 2,100,652	2,100,652
BlackRock Financial Management, Inc.	01-Feb-23	no	n/a	collateral transfer	AUD	ORD 208,678	208,678
BlackRock Investment Management, LLC	01-Feb-23	no	n/a	collateral transfer	AUD	ORD 333,290	333,290
BlackRock Investment Management (Australia) Limited	02-Feb-23	yes	6.32	on mkt buy	AUD	ORD 3,449	3,449
BlackRock Fund Advisors	02-Feb-23	no	n/a	in specie	AUD	ORD 1,179	1,179
BlackRock Advisors (UK) Limited	02-Feb-23	yes	6.32	on mkt buy	AUD	ORD 4,526	4,526
BlackRock Advisors (UK) Limited	02-Feb-23	yes	6.32	on mkt buy	AUD	ORD 2,127	2,127
BlackRock Investment Management (UK) Limited	02-Feb-23	yes	6.32	on mkt buy	AUD	ORD 1,425	1,425
BlackRock Investment Management (UK) Limited	02-Feb-23	yes	6.32	on mkt buy	AUD	ORD 2,661	2,661

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			Cash	Non-cash	CCY		
BlackRock Advisors (UK) Limited	02-Feb-23	no	n/a	collateral transfer	AUD	ORD 827,428	827,428
BlackRock Investment Management, LLC	02-Feb-23	no	n/a	collateral transfer	AUD	ORD 1,945,342	1,945,342
BlackRock Investment Management (UK) Limited	02-Feb-23	no	n/a	collateral transfer	AUD	ORD 1,245,617	1,245,617
BlackRock Advisors (UK) Limited	03-Feb-23	yes	6.42	on mkt buy	AUD	ORD 1,396	1,396
BlackRock Advisors (UK) Limited	03-Feb-23	yes	6.42	on mkt buy	AUD	ORD 2,952	2,952
BlackRock Investment Management (Australia) Limited	03-Feb-23	yes	6.41	on mkt buy	AUD	ORD 785	785
BlackRock Advisors (UK) Limited	03-Feb-23	no	n/a	collateral transfer	AUD	ORD 428,904	428,904
BlackRock Fund Advisors	06-Feb-23	no	n/a	in specie	AUD	ORD 10,956	10,956
BlackRock Institutional Trust Company, National Association	06-Feb-23	yes	6.46	on mkt buy	AUD	ORD 61,868	61,868
BlackRock Institutional Trust Company, National Association	06-Feb-23	yes	6.46	on mkt buy	AUD	ORD 19,091	19,091
BlackRock Institutional Trust Company, National Association	06-Feb-23	yes	6.46	on mkt buy	AUD	ORD 18,731	18,731
BlackRock Investment Management (Australia) Limited	06-Feb-23	yes	6.49	on mkt buy	AUD	ORD 122,176	122,176
BlackRock Advisors (UK) Limited	06-Feb-23	yes	6.49	on mkt buy	AUD	ORD 6,774	6,774
BlackRock Advisors (UK) Limited	06-Feb-23	yes	6.49	on mkt buy	AUD	ORD 2,258	2,258
BlackRock Advisors (UK) Limited	06-Feb-23	yes	6.49	on mkt buy	AUD	ORD 520	520
BlackRock Japan Co., Ltd.	06-Feb-23	no	n/a	collateral transfer	AUD	ORD 1	1
BlackRock (Singapore) Limited	06-Feb-23	no	n/a	collateral transfer	AUD	ORD 2,109	2,109
BlackRock Financial Management, Inc.	06-Feb-23	no	n/a	collateral transfer	AUD	ORD 353	353
BlackRock Investment Management, LLC	06-Feb-23	no	n/a	collateral transfer	AUD	ORD 2,538,171	2,538,171
BlackRock Investment Management (UK) Limited	06-Feb-23	no	n/a	collateral transfer	AUD	ORD 1,064,892	1,064,892
BlackRock Fund Advisors	07-Feb-23	no	n/a	in specie	AUD	ORD 1,652	1,652
BlackRock Advisors, LLC	07-Feb-23	yes	6.48	on mkt buy	AUD	ORD 14,248	14,248
BlackRock Institutional Trust Company, National Association	07-Feb-23	yes	6.48	on mkt buy	AUD	ORD 121,664	121,664
BlackRock Advisors, LLC	07-Feb-23	yes	6.48	on mkt buy	AUD	ORD 3,006	3,006
BlackRock Asset Management Canada Limited	07-Feb-23	yes	6.48	on mkt buy	AUD	ORD 3,061	3,061
BlackRock Asset Management Canada Limited	07-Feb-23	yes	6.48	on mkt buy	AUD	ORD 9,735	9,735
BlackRock Fund Advisors	07-Feb-23	no	n/a	in specie	AUD	ORD 6,555	6,555
BlackRock Fund Advisors	07-Feb-23	no	n/a	in specie	AUD	ORD 14,608	14,608
BlackRock Institutional Trust Company, National Association	07-Feb-23	no	n/a	in specie	AUD	ORD 52,943	52,943
BlackRock Advisors (UK) Limited	07-Feb-23	no	n/a	collateral transfer	AUD	ORD 4,020,130	4,020,130
BlackRock Fund Advisors	08-Feb-23	yes	6.51	on mkt buy	AUD	ORD 8,923	8,923
BlackRock Investment Management (UK) Limited	08-Feb-23	yes	6.51	on mkt buy	AUD	ORD 5,040	5,040
BlackRock Advisors, LLC	08-Feb-23	yes	6.51	on mkt buy	AUD	ORD 26,124	26,124
BlackRock Institutional Trust Company, National Association	08-Feb-23	yes	6.51	on mkt buy	AUD	ORD 2,861	2,861
BlackRock Institutional Trust Company, National Association	08-Feb-23	yes	6.51	on mkt buy	AUD	ORD 7,611	7,611
BlackRock Advisors, LLC	08-Feb-23	yes	6.51	on mkt buy	AUD	ORD 4,207	4,207
BlackRock International Limited	08-Feb-23	yes	6.51	on mkt buy	AUD	ORD 2,249	2,249
BlackRock Investment Management, LLC	08-Feb-23	yes	6.51	on mkt buy	AUD	ORD 2,632	2,632
BlackRock Investment Management (Australia) Limited	08-Feb-23	yes	6.52	on mkt buy	AUD	ORD 5,279	5,279
BlackRock Investment Management (Australia) Limited	08-Feb-23	yes	6.52	on mkt buy	AUD	ORD 15,455	15,455
BlackRock Fund Advisors	08-Feb-23	no	n/a	in specie	AUD	ORD 10,956	10,956
BlackRock Fund Advisors	08-Feb-23	no	n/a	in specie	AUD	ORD 54,780	54,780
BlackRock Institutional Trust Company, National Association	08-Feb-23	yes	6.53	on mkt buy	AUD	ORD 75,539	75,539
BlackRock Institutional Trust Company, National Association	08-Feb-23	yes	6.53	on mkt buy	AUD	ORD 14,993	14,993
BlackRock Institutional Trust Company, National Association	08-Feb-23	yes	6.53	on mkt buy	AUD	ORD 15,087	15,087
BlackRock Advisors (UK) Limited	08-Feb-23	yes	6.55	on mkt buy	AUD	ORD 194	194
BlackRock Investment Management (Australia) Limited	08-Feb-23	yes	6.55	on mkt buy	AUD	ORD 11,561	11,561

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			Cash	Non-cash	CCY			
BlackRock Institutional Trust Company, National Association	08-Feb-23	yes	6.55	on mkt buy	AUD	ORD	14,954	14,954
BlackRock Institutional Trust Company, National Association	08-Feb-23	yes	6.55	on mkt buy	AUD	ORD	11,330	11,330
BlackRock Investment Management (Australia) Limited	09-Feb-23	yes	6.54	on mkt buy	AUD	ORD	7,824	7,824
BlackRock Advisors (UK) Limited	09-Feb-23	yes	6.54	on mkt buy	AUD	ORD	310	310
BlackRock Fund Advisors	09-Feb-23	no	n/a	in specie	AUD	ORD	18,260	18,260
BlackRock Fund Advisors	09-Feb-23	no	n/a	in specie	AUD	ORD	21,912	21,912
BlackRock Advisors (UK) Limited	09-Feb-23	no	n/a	collateral transfer	AUD	ORD	69,790	69,790
BlackRock Financial Management, Inc.	09-Feb-23	no	n/a	collateral transfer	AUD	ORD	1,103,456	1,103,456
BlackRock Investment Management (UK) Limited	09-Feb-23	no	n/a	collateral transfer	AUD	ORD	2,852,008	2,852,008
BlackRock Fund Advisors	10-Feb-23	no	n/a	in specie	AUD	ORD	3,652	3,652
BlackRock Fund Advisors	10-Feb-23	no	n/a	in specie	AUD	ORD	25,564	25,564
BlackRock Investment Management (Australia) Limited	10-Feb-23	yes	6.50	on mkt buy	AUD	ORD	6,567	6,567
BlackRock Investment Management (Australia) Limited	10-Feb-23	yes	6.50	on mkt buy	AUD	ORD	18,246	18,246
BlackRock Investment Management, LLC	10-Feb-23	no	n/a	collateral transfer	AUD	ORD	2,824,578	2,824,578
BlackRock Investment Management (Australia) Limited	13-Feb-23	no	n/a	in specie	AUD	ORD	82,214	82,214
BlackRock Institutional Trust Company, National Association	13-Feb-23	yes	6.50	on mkt buy	AUD	ORD	3,401	3,401
BlackRock Advisors (UK) Limited	13-Feb-23	yes	6.51	on mkt buy	AUD	ORD	160	160
BlackRock Investment Management (UK) Limited	13-Feb-23	yes	6.51	on mkt buy	AUD	ORD	6,096	6,096
BlackRock Institutional Trust Company, National Association	13-Feb-23	no	n/a	in specie	AUD	ORD	51,961	51,961
BlackRock Financial Management, Inc.	13-Feb-23	no	n/a	collateral transfer	AUD	ORD	398	398
BlackRock Investment Management, LLC	13-Feb-23	no	n/a	collateral transfer	AUD	ORD	138,612	138,612
BlackRock Investment Management (UK) Limited	13-Feb-23	no	n/a	collateral transfer	AUD	ORD	2,461,316	2,461,316
BlackRock Advisors (UK) Limited	14-Feb-23	yes	6.45	on mkt buy	AUD	ORD	166	166
BlackRock Fund Advisors	14-Feb-23	no	n/a	in specie	AUD	ORD	14,608	14,608
BlackRock (Singapore) Limited	14-Feb-23	no	n/a	collateral transfer	AUD	ORD	14	14
BlackRock Advisors (UK) Limited	14-Feb-23	no	n/a	collateral transfer	AUD	ORD	2,766,712	2,766,712
BlackRock Financial Management, Inc.	14-Feb-23	no	n/a	collateral transfer	AUD	ORD	20	20
BlackRock Investment Management, LLC	14-Feb-23	no	n/a	collateral transfer	AUD	ORD	321,277	321,277
BlackRock Fund Advisors	15-Feb-23	no	n/a	in specie	AUD	ORD	18,260	18,260
BlackRock Institutional Trust Company, National Association	15-Feb-23	yes	6.47	on mkt buy	AUD	ORD	16,276	16,276
BlackRock Institutional Trust Company, National Association	15-Feb-23	yes	6.47	on mkt buy	AUD	ORD	502	502
BlackRock Institutional Trust Company, National Association	15-Feb-23	yes	6.47	on mkt buy	AUD	ORD	457	457
BlackRock Investment Management (Australia) Limited	15-Feb-23	yes	6.47	on mkt buy	AUD	ORD	21,512	21,512
BlackRock Investment Management (Australia) Limited	15-Feb-23	yes	6.47	on mkt buy	AUD	ORD	10,482	10,482
BlackRock Investment Management, LLC	15-Feb-23	yes	6.47	on mkt buy	AUD	ORD	2,367	2,367
BlackRock Financial Management, Inc.	15-Feb-23	yes	6.47	on mkt buy	AUD	ORD	2,910	2,910
BlackRock (Singapore) Limited	15-Feb-23	no	n/a	collateral transfer	AUD	ORD	3	3
BlackRock Advisors (UK) Limited	16-Feb-23	yes	6.57	on mkt buy	AUD	ORD	972	972
BlackRock Investment Management (Australia) Limited	16-Feb-23	yes	6.57	on mkt buy	AUD	ORD	120,267	120,267
BlackRock Investment Management (Australia) Limited	16-Feb-23	yes	6.57	on mkt buy	AUD	ORD	3,818	3,818
BlackRock Fund Advisors	16-Feb-23	no	n/a	in specie	AUD	ORD	18,260	18,260
BlackRock (Singapore) Limited	16-Feb-23	no	n/a	collateral transfer	AUD	ORD	1,001	1,001
BlackRock Investment Management, LLC	16-Feb-23	no	n/a	collateral transfer	AUD	ORD	18,529	18,529
BlackRock Investment Management (Australia) Limited	17-Feb-23	yes	6.58	on mkt buy	AUD	ORD	14,896	14,896

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BlackRock Investment Management (Australia) Limited	17-Feb-23	yes	6.58	on mkt buy	AUD	ORD	6,836	6,836
BlackRock Advisors (UK) Limited	17-Feb-23	yes	6.60	on mkt buy	AUD	ORD	795	795
BlackRock Institutional Trust Company, National Association	17-Feb-23	yes	6.60	on mkt buy	AUD	ORD	26,668	26,668
BlackRock Institutional Trust Company, National Association	17-Feb-23	yes	6.60	on mkt buy	AUD	ORD	13,327	13,327
BlackRock Advisors (UK) Limited	17-Feb-23	no	n/a	collateral transfer	AUD	ORD	487,747	487,747
BlackRock Investment Management (UK) Limited	17-Feb-23	no	n/a	collateral transfer	AUD	ORD	22,350	22,350
APERIO GROUP LLC	17-Feb-23	no	n/a	in specie	AUD	ORD	195,538	195,538
BlackRock Japan Co., Ltd.	20-Feb-23	yes	6.58	on mkt buy	AUD	ORD	18,294	18,294
BlackRock Investment Management (Australia) Limited	20-Feb-23	yes	6.58	on mkt buy	AUD	ORD	1,262	1,262
BlackRock (Singapore) Limited	20-Feb-23	no	n/a	collateral transfer	AUD	ORD	17	17
BlackRock Advisors (UK) Limited	20-Feb-23	no	n/a	collateral transfer	AUD	ORD	501,386	501,386
BlackRock Financial Management, Inc.	20-Feb-23	no	n/a	collateral transfer	AUD	ORD	5	5
BlackRock Investment Management, LLC	20-Feb-23	no	n/a	collateral transfer	AUD	ORD	23,024	23,024
BlackRock Investment Management (UK) Limited	21-Feb-23	no	n/a	in specie	AUD	ORD	345,812	345,812
BlackRock Japan Co., Ltd.	21-Feb-23	yes	6.43	on mkt buy	AUD	ORD	18,294	18,294
BlackRock Investment Management (Australia) Limited	21-Feb-23	yes	6.40	on mkt buy	AUD	ORD	11,454	11,454
BlackRock Advisors (UK) Limited	21-Feb-23	yes	6.40	on mkt buy	AUD	ORD	688	688
BlackRock Fund Advisors	21-Feb-23	no	n/a	in specie	AUD	ORD	18,260	18,260
BlackRock Japan Co., Ltd.	21-Feb-23	no	n/a	collateral transfer	AUD	ORD	7,316	7,316
BlackRock (Singapore) Limited	21-Feb-23	no	n/a	collateral transfer	AUD	ORD	1,089,900	1,089,900
BlackRock Financial Management, Inc.	21-Feb-23	no	n/a	collateral transfer	AUD	ORD	1,620,897	1,620,897
BlackRock Investment Management, LLC	21-Feb-23	no	n/a	collateral transfer	AUD	ORD	762,699	762,699
BlackRock Investment Management (UK) Limited	21-Feb-23	no	n/a	collateral transfer	AUD	ORD	514,384	514,384
BlackRock Asset Management North Asia Limited	21-Feb-23	no	n/a	collateral transfer	AUD	ORD	22,662	22,662
BlackRock Japan Co., Ltd.	22-Feb-23	yes	6.42	on mkt buy	AUD	ORD	18,294	18,294
BlackRock Institutional Trust Company, National Association	22-Feb-23	yes	6.42	on mkt buy	AUD	ORD	34,647	34,647
BlackRock Institutional Trust Company, National Association	22-Feb-23	yes	6.42	on mkt buy	AUD	ORD	5,894	5,894
BlackRock Institutional Trust Company, National Association	22-Feb-23	yes	6.42	on mkt buy	AUD	ORD	5,918	5,918
BlackRock Advisors (UK) Limited	22-Feb-23	yes	6.47	on mkt buy	AUD	ORD	3,584	3,584
BlackRock Investment Management (Australia) Limited	22-Feb-23	yes	6.47	on mkt buy	AUD	ORD	3,998	3,998
BlackRock Advisors, LLC	22-Feb-23	yes	6.47	on mkt buy	AUD	ORD	9,967	9,967
BlackRock Investment Management (Australia) Limited	22-Feb-23	yes	6.47	on mkt buy	AUD	ORD	34,254	34,254
BlackRock Asset Management Canada Limited	22-Feb-23	yes	6.47	on mkt buy	AUD	ORD	3,043	3,043
BlackRock Asset Management Canada Limited	22-Feb-23	yes	6.47	on mkt buy	AUD	ORD	8,978	8,978
BlackRock Investment Management, LLC	22-Feb-23	yes	6.47	on mkt buy	AUD	ORD	857	857
BlackRock Investment Management (UK) Limited	22-Feb-23	no	n/a	collateral transfer	AUD	ORD	2,391,462	2,391,462
BlackRock Investment Management (Australia) Limited	23-Feb-23	yes	6.15	on mkt buy	AUD	ORD	3,376	3,376
BlackRock Japan Co., Ltd.	23-Feb-23	yes	6.10	on mkt buy	AUD	ORD	18,294	18,294
BlackRock Investment Management, LLC	23-Feb-23	yes	6.03	on mkt buy	AUD	ORD	43,657	43,657
BlackRock Advisors (UK) Limited	23-Feb-23	no	n/a	collateral transfer	AUD	ORD	7,225,590	7,225,590
BlackRock Investment Management, LLC	23-Feb-23	no	n/a	collateral transfer	AUD	ORD	1	1
BlackRock Institutional Trust Company, National Association	24-Feb-23	yes	6.13	on mkt buy	AUD	ORD	7,209	7,209
BlackRock Japan Co., Ltd.	24-Feb-23	yes	6.12	on mkt buy	AUD	ORD	18,295	18,295
BlackRock Fund Advisors	24-Feb-23	no	n/a	in specie	AUD	ORD	10,956	10,956

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BlackRock Investment Management (Australia) Limited	24-Feb-23	yes	6.14	on mkt buy	AUD	ORD	10,494	10,494
BlackRock Advisors (UK) Limited	24-Feb-23	yes	6.16	on mkt buy	AUD	ORD	688	688
BlackRock Institutional Trust Company, National Association	24-Feb-23	yes	6.16	on mkt buy	AUD	ORD	3,452	3,452
BlackRock Investment Management (Australia) Limited	24-Feb-23	yes	6.16	on mkt buy	AUD	ORD	10,673	10,673
BlackRock Institutional Trust Company, National Association	24-Feb-23	yes	6.16	on mkt buy	AUD	ORD	102,144	102,144
BlackRock Institutional Trust Company, National Association	24-Feb-23	yes	6.16	on mkt buy	AUD	ORD	12,577	12,577
BlackRock Institutional Trust Company, National Association	24-Feb-23	yes	6.16	on mkt buy	AUD	ORD	100,276	100,276
BlackRock Investment Management, LLC	24-Feb-23	yes	6.16	on mkt buy	AUD	ORD	11,827	11,827
BlackRock Japan Co., Ltd.	24-Feb-23	no	n/a	collateral transfer	AUD	ORD	9,572	9,572
BlackRock (Singapore) Limited	24-Feb-23	no	n/a	collateral transfer	AUD	ORD	116,387	116,387
BlackRock Financial Management, Inc.	24-Feb-23	no	n/a	collateral transfer	AUD	ORD	206,195	206,195
BlackRock Investment Management, LLC	24-Feb-23	no	n/a	collateral transfer	AUD	ORD	329,366	329,366
BlackRock Investment Management (UK) Limited	24-Feb-23	no	n/a	collateral transfer	AUD	ORD	1,802,835	1,802,835
BlackRock Asset Management North Asia Limited	24-Feb-23	no	n/a	collateral transfer	AUD	ORD	149,199	149,199
BlackRock Investment Management (Australia) Limited	27-Feb-23	yes	6.24	on mkt buy	AUD	ORD	32,750	32,750
BlackRock Advisors (UK) Limited	27-Feb-23	yes	6.28	on mkt buy	AUD	ORD	2,319	2,319
BlackRock Advisors, LLC	27-Feb-23	yes	6.28	on mkt buy	AUD	ORD	35,369	35,369
BlackRock Advisors, LLC	27-Feb-23	yes	6.28	on mkt buy	AUD	ORD	6,135	6,135
BlackRock Asset Management Canada Limited	27-Feb-23	yes	6.28	on mkt buy	AUD	ORD	10,256	10,256
BlackRock Asset Management Canada Limited	27-Feb-23	yes	6.28	on mkt buy	AUD	ORD	36,234	36,234
BlackRock Advisors (UK) Limited	27-Feb-23	no	n/a	collateral transfer	AUD	ORD	4,602,663	4,602,663
BlackRock Investment Management (Australia) Limited	28-Feb-23	yes	6.40	on mkt buy	AUD	ORD	4,619	4,619
BlackRock Fund Advisors	28-Feb-23	no	n/a	in specie	AUD	ORD	1,188	1,188
BlackRock Investment Management (Australia) Limited	28-Feb-23	yes	6.42	on mkt buy	AUD	ORD	9,545	9,545
BlackRock Advisors, LLC	28-Feb-23	yes	6.42	on mkt buy	AUD	ORD	39,329	39,329
BlackRock Advisors, LLC	28-Feb-23	yes	6.42	on mkt buy	AUD	ORD	7,660	7,660
BlackRock Asset Management Canada Limited	28-Feb-23	yes	6.42	on mkt buy	AUD	ORD	9,541	9,541
BlackRock Asset Management Canada Limited	28-Feb-23	yes	6.42	on mkt buy	AUD	ORD	39,518	39,518
BlackRock Investment Management (UK) Limited	28-Feb-23	yes	6.42	on mkt buy	AUD	ORD	882	882
BlackRock Investment Management (Australia) Limited	28-Feb-23	yes	6.42	on mkt buy	AUD	ORD	1,303	1,303
BlackRock Fund Advisors	01-Mar-23	no	n/a	in specie	AUD	ORD	10,738	10,738
BlackRock Institutional Trust Company, National Association	01-Mar-23	yes	6.44	on mkt buy	AUD	ORD	2,575	2,575
BlackRock Institutional Trust Company, National Association	01-Mar-23	yes	6.44	on mkt buy	AUD	ORD	127,680	127,680
BlackRock Institutional Trust Company, National Association	01-Mar-23	yes	6.44	on mkt buy	AUD	ORD	8,298	8,298
BlackRock Institutional Trust Company, National Association	01-Mar-23	yes	6.44	on mkt buy	AUD	ORD	68,881	68,881
BlackRock Institutional Trust Company, National Association	01-Mar-23	yes	6.44	on mkt buy	AUD	ORD	23,581	23,581
BlackRock Japan Co., Ltd.	01-Mar-23	no	n/a	collateral transfer	AUD	ORD	4,121	4,121
BlackRock (Singapore) Limited	01-Mar-23	no	n/a	collateral transfer	AUD	ORD	24,576	24,576
BlackRock Financial Management, Inc.	01-Mar-23	no	n/a	collateral transfer	AUD	ORD	47	47
BlackRock Investment Management, LLC	01-Mar-23	no	n/a	collateral transfer	AUD	ORD	2,670,483	2,670,483
BlackRock Investment Management (UK) Limited	01-Mar-23	no	n/a	collateral transfer	AUD	ORD	1,314,558	1,314,558
BlackRock Asset Management North Asia Limited	01-Mar-23	no	n/a	collateral transfer	AUD	ORD	219	219

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BlackRock Institutional Trust Company, National Association	02-Mar-23	yes	6.48	on mkt buy	AUD	ORD	1,955	1,955
BlackRock Advisors (UK) Limited	02-Mar-23	yes	6.53	on mkt buy	AUD	ORD	616	616
BlackRock Japan Co., Ltd.	02-Mar-23	no	n/a	collateral transfer	AUD	ORD	2	2
BlackRock Investment Management (UK) Limited	02-Mar-23	no	n/a	collateral transfer	AUD	ORD	6,571	6,571
BlackRock Institutional Trust Company, National Association	03-Mar-23	yes	6.55	on mkt buy	AUD	ORD	226	226
BlackRock Institutional Trust Company, National Association	03-Mar-23	yes	6.55	on mkt buy	AUD	ORD	2,516	2,516
BlackRock Institutional Trust Company, National Association	03-Mar-23	yes	6.55	on mkt buy	AUD	ORD	5,301	5,301
BlackRock Advisors, LLC	03-Mar-23	yes	6.55	on mkt buy	AUD	ORD	22,916	22,916
BlackRock Investment Management (Australia) Limited	03-Mar-23	yes	6.55	on mkt buy	AUD	ORD	5,775	5,775
BlackRock Advisors (UK) Limited	03-Mar-23	yes	6.51	on mkt buy	AUD	ORD	1,035	1,035
BlackRock Advisors (UK) Limited	03-Mar-23	yes	6.51	on mkt buy	AUD	ORD	690	690
BlackRock Advisors (UK) Limited	03-Mar-23	yes	6.51	on mkt buy	AUD	ORD	1,380	1,380
BlackRock Advisors (UK) Limited	03-Mar-23	yes	6.51	on mkt buy	AUD	ORD	628	628
BlackRock Institutional Trust Company, National Association	03-Mar-23	yes	6.51	on mkt buy	AUD	ORD	1,282	1,282
BlackRock Institutional Trust Company, National Association	03-Mar-23	yes	6.51	on mkt buy	AUD	ORD	433	433
BlackRock Investment Management, LLC	03-Mar-23	yes	6.51	on mkt buy	AUD	ORD	862	862
BlackRock Investment Management, LLC	03-Mar-23	yes	6.51	on mkt buy	AUD	ORD	2,552	2,552
BlackRock Investment Management, LLC	03-Mar-23	yes	6.51	on mkt buy	AUD	ORD	13,109	13,109
BlackRock Investment Management, LLC	03-Mar-23	yes	6.51	on mkt buy	AUD	ORD	38,806	38,806
BlackRock Financial Management, Inc.	03-Mar-23	no	n/a	collateral transfer	AUD	ORD	1,590	1,590
BlackRock Investment Management (UK) Limited	06-Mar-23	yes	6.57	on mkt buy	AUD	ORD	265,501	265,501
BlackRock Fund Advisors	06-Mar-23	yes	6.57	on mkt buy	AUD	ORD	15,069	15,069
BlackRock Financial Management, Inc.	06-Mar-23	yes	6.57	on mkt buy	AUD	ORD	2,760	2,760
BlackRock Financial Management, Inc.	06-Mar-23	yes	6.57	on mkt buy	AUD	ORD	17,622	17,622
BlackRock Institutional Trust Company, National Association	06-Mar-23	yes	6.57	on mkt buy	AUD	ORD	5,087	5,087
BlackRock Institutional Trust Company, National Association	06-Mar-23	yes	6.57	on mkt buy	AUD	ORD	315	315
BlackRock Institutional Trust Company, National Association	06-Mar-23	yes	6.57	on mkt buy	AUD	ORD	4,143	4,143
BlackRock Institutional Trust Company, National Association	06-Mar-23	yes	6.57	on mkt buy	AUD	ORD	5,443	5,443
BlackRock Institutional Trust Company, National Association	06-Mar-23	yes	6.58	on mkt buy	AUD	ORD	7,920	7,920
BlackRock Institutional Trust Company, National Association	06-Mar-23	yes	6.58	on mkt buy	AUD	ORD	237,717	237,717
BlackRock Institutional Trust Company, National Association	06-Mar-23	yes	6.58	on mkt buy	AUD	ORD	16,572	16,572
BlackRock Institutional Trust Company, National Association	06-Mar-23	yes	6.58	on mkt buy	AUD	ORD	129,302	129,302
BlackRock Institutional Trust Company, National Association	06-Mar-23	yes	6.58	on mkt buy	AUD	ORD	49,712	49,712
BlackRock Advisors (UK) Limited	06-Mar-23	yes	6.58	on mkt buy	AUD	ORD	98	98
BlackRock Japan Co., Ltd.	06-Mar-23	no	n/a	collateral transfer	AUD	ORD	73,570	73,570
BlackRock (Singapore) Limited	06-Mar-23	no	n/a	collateral transfer	AUD	ORD	8,173	8,173
BlackRock Advisors (UK) Limited	06-Mar-23	no	n/a	collateral transfer	AUD	ORD	3,383,848	3,383,848
BlackRock Financial Management, Inc.	06-Mar-23	no	n/a	collateral transfer	AUD	ORD	1,439	1,439
BlackRock Investment Management, LLC	06-Mar-23	no	n/a	collateral transfer	AUD	ORD	34,541	34,541
BlackRock Investment Management (UK) Limited	06-Mar-23	no	n/a	collateral transfer	AUD	ORD	27,104	27,104
BlackRock Asset Management North Asia Limited	06-Mar-23	no	n/a	collateral transfer	AUD	ORD	1,980	1,980
BlackRock Fund Advisors	07-Mar-23	no	n/a	in specie	AUD	ORD	7,304	7,304
BlackRock Fund Advisors	07-Mar-23	no	n/a	in specie	AUD	ORD	2,670	2,670
BlackRock Institutional Trust Company, National Association	07-Mar-23	yes	6.60	on mkt buy	AUD	ORD	2,198	2,198
BlackRock Institutional Trust Company, National Association	07-Mar-23	yes	6.60	on mkt buy	AUD	ORD	4,519	4,519
BlackRock Financial Management, Inc.	07-Mar-23	yes	6.60	on mkt buy	AUD	ORD	15,278	15,278

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected
			Cash	Non-cash	CCY		
BlackRock Financial Management, Inc.	07-Mar-23	yes	6.60	on mkt buy	AUD	ORD 3,451	3,451
BlackRock Advisors (UK) Limited	07-Mar-23	yes	6.58	on mkt buy	AUD	ORD 6,960	6,960
BlackRock Advisors (UK) Limited	07-Mar-23	yes	6.58	on mkt buy	AUD	ORD 196	196
BlackRock Institutional Trust Company, National Association	07-Mar-23	yes	6.58	on mkt buy	AUD	ORD 4,068	4,068
BlackRock Institutional Trust Company, National Association	07-Mar-23	yes	6.58	on mkt buy	AUD	ORD 89,917	89,917
BlackRock Institutional Trust Company, National Association	07-Mar-23	yes	6.58	on mkt buy	AUD	ORD 9,355	9,355
BlackRock Institutional Trust Company, National Association	07-Mar-23	yes	6.58	on mkt buy	AUD	ORD 61,396	61,396
BlackRock Institutional Trust Company, National Association	07-Mar-23	yes	6.58	on mkt buy	AUD	ORD 28,668	28,668
BlackRock Japan Co., Ltd.	07-Mar-23	no	n/a	collateral transfer	AUD	ORD 6,648	6,648
BlackRock (Singapore) Limited	07-Mar-23	no	n/a	collateral transfer	AUD	ORD 212,252	212,252
BlackRock Financial Management, Inc.	07-Mar-23	no	n/a	collateral transfer	AUD	ORD 256,329	256,329
BlackRock Investment Management, LLC	07-Mar-23	no	n/a	collateral transfer	AUD	ORD 971,411	971,411
BlackRock Investment Management (UK) Limited	07-Mar-23	no	n/a	collateral transfer	AUD	ORD 4,436,136	4,436,136
BlackRock Asset Management North Asia Limited	07-Mar-23	no	n/a	collateral transfer	AUD	ORD 31,038	31,038

This is Annexure C of 1 page referred to in form 603 Notice of initial substantial shareholder

09-Mar-23

Shawna Reese,
Authorised Signatory

Date

7. Addresses

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

Name	Address
BlackRock Group	
BlackRock Inc.	50 Hudson Yards New York, NY 10001 USA
BlackRock (Singapore) Limited	20 Anson Road #18-01 079912 Singapore
BlackRock Advisors (UK) Limited	12 Throgmorton Avenue. London, EC2N 2DL, United Kingdom
BlackRock Advisors, LLC	251 Little Falls Dr Wilmington, DE 19808-1674
BlackRock Asset Management Canada Limited	161 Bay Street, Suite 2500 Toronto, Ontario M5J 2S1 Canada
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.	251 Little Falls Dr Wilmington, DE 19808-1674
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 37 Chifley Tower, 2 Chifley Square, Sydney NSW 2000 Australia
BlackRock Investment Management (UK) Limited	12 Throgmorton Avenue London EC2N 2DL United Kingdom
BlackRock Investment Management, LLC	251 Little Falls Dr Wilmington, DE 19808-1674
BlackRock Japan Co., Ltd.	Marunouchi Trust Tower Main, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-8217 (Japan)
APERIO GROUP LLC	2710 Gateway Oaks Drive, Suite 150N, Sacramento, CA 95833-3505

This is Annexure D of 3 pages referred to in form 603 Notice of initial substantial shareholder.

Shawna Reese, Authorised Signatory 09-Mar-23
Date

Type of agreement:	Global Master Securities Lending Agreement, Overseas Securities Lending Agreement or Master Securities Lending Agreement.
Parties to agreement:	The relevant counterparty as described in the lists of Securities Lending Agreements entered into by BlackRock Advisors Limited and BlackRock Institutional Trust Corporation, N.A., respectively, on the following page.
Transfer date:	The date of the relevant transaction identified as a collateral transfer referred to in Annexure B.
Holder of voting rights:	The Borrower.
Are there any restrictions on voting rights? If yes, detail	Yes. Collateral is held through a tripartite structure under which the triparty collateral manager will not act in respect of voting rights unless it receives instructions to do so from the Borrower.
Scheduled return date (if any):	The date of the relevant transaction referred to in Annexure B.
Does the borrower have the right to return early? If yes, detail	Yes. The Borrower is entitled to substitute existing collateral with other equities at any time.
Does the lender have the right to recall early? If yes, detail	Yes, at notice.
Will the securities be returned on settlement? If yes, detail any exceptions	Yes.

A copy of the relevant agreement will be provided to QANTAS AIRWAYS LTD or the Australian Securities and Investments Commission upon request.

Securities Lending Agreements

Agreements entered into between BlackRock Advisors Limited and each of the following counterparties:

- (a) Bank of Nova Scotia, London Branch GMSLA, 25 August 2011
- (b) Barclays Bank plc GMSLA, 9 April 2104
- (c) Barclays Capital Securities Limited GMSLA, 2 December 2012
- (d) BNP Paribas Arbitrage GMSLA, 30 May 2013
- (e) BNP Paribas GMSLA, 8 May 2007
- (f) Citigroup Global Markets Limited GMSLA, 18 January 2007
- (g) Credit Suisse AG, Dublin Branch GMSLA, 28 September 2015
- (h) Credit Suisse International GMSLA, 10 March 2014
- (i) Credit Suisse Securities (Europe) Limited GMSLA, 26 August 2015
- (j) Deutsche Bank AG, London Branch GMSLA, 25 August 2017
- (k) Goldman Sachs International GMSLA, 2nd August 2022
- (l) HSBC Bank plc GMSLA GMSLA, 27 October 2016
- (m) ING Bank N.V. GMSLA, 12 November 2018
- (n) J.P. Morgan Securities plc GMSLA, 12 July 2011
- (o) Macquarie Bank Limited GMSLA, 18 August 2014
- (p) Merrill Lynch International GMSLA, 3 February 2020
- (q) Morgan Stanley & Co International plc GMSLA, 9 June 2021
- (r) Natixis SA GMSLA, 29 January 2018
- (s) Nomura International plc GMSLA, 2 November 2011
- (t) Royal Bank of Canada Europe Limited GMSLA, 3 February 2017
- (u) Royal Bank of Scotland plc (renamed to Natwest Markets Plc) GMSLA, 1 April 2011
- (v) Santander UK Plc GMSLA, 25 January 2019
- (w) Societe Generale GMSLA, 27 January 2012
- (x) UBS AG GMSLA, 28 April 2016
- (y) UBS Europe SE GMSLA, 1 February 2019
- (z) BAL/Banco Santander, S.A. GMSLA, 30 April 2019
- (aa) Canadian Imperial Bank of Commerce, London Branch GMSLA, 21 June 2019
- (bb) Zürcher Kantonalbank GMSLA, 30 October 2019
- (cc) The Hongkong and Shanghai Banking Corporation Limited GMSLA, 7 February 2020
- (dd) BNP Paribas Prime Brokerage International Limited GMSLA 19 October 20201

Agreements entered into by BlackRock Institutional Trust Corporation, N.A. and each of the following counterparties:

- a. Bank of Nova Scotia GMSLA, December 6, 2016
- b. Barclays Bank plc GMSLA, April 24, 2017
- c. Barclays Capital Securities Limited GMSLA, March 15, 2017
- d. BNP Paribas Arbitrage GMSLA, June 5, 2017
- e. Citigroup Global Markets Limited GMSLA, June 3, 2015
- f. Credit Suisse AG, Dublin Branch GMSLA, October 14, 2015
- g. Credit Suisse International GMSLA, April 4, 2020
- h. Credit Suisse Securities (Europe) Limited GMSLA, October 2, 2015
- i. Deutsche Bank AG, London Branch GMSLA, June 7, 2017
- j. Goldman Sachs International GMSLA, February 20, 2023
- k. HSBC Bank plc GMSLA, February 12, 2013
- l. J.P. Morgan Securities plc GMSLA, October 4, 2016
- m. J.P. Morgan Securities plc GMSLA (Pledge), July 1, 2020
- n. Macquarie Bank Limited GMSLA, October 3, 2016
- o. Merrill Lynch International GMSLA, February 19, 2014
- p. Morgan Stanley & Co International plc GMSLA, November 16, 2021
- q. Nomura International plc GMSLA 03 August 2018
- r. Societe Generale GMSLA, September 28, 2016
- s. UBS AG GMSLA, May 26, 2016
- t. UBS AG GMSLA (Pledge), June 2, 2020
- u. UBS Europe SE GMSLA, 1 February 2019
- v. The Hongkong and Shanghai Banking Corporation Limited GMSLA, 22 February 2019
- w. RBC Europe Limited GMSLA, 4 February 2019
- x. ING BANK N.V. GMSLA, 27 February, 2019
- y. BANCO SANTANDER, S.A. GMSLA, 11 September, 2019
- z. Credit Suisse A.G., Singapore Branch GMSLA, 25 October, 2019
- aa. Natixis S.A. GMSLA, November 21, 2019.

- bb. CREDIT SUISSE INTERNATIONAL GMSLA, 4 April 2020
cc. BNP Paribas Prime Brokerage International Limited GMSLA 22 November 2021

These counterparties do not pledge Australian equities:

- (a) Merrill Lynch, Pierce, Fenner Smith Incorporated

These counterparties do not have any business with us anymore although may have done previously:

- (a) Morgan Stanley Securities Limited (No Business) OSLA 15 March 1999

Royal Bank of Scotland N.V. **GMSLA, 12 October 2011 – No Business, superseded by Royal Bank of Scotland PLC**