

Form 603
Corporations Act 2001
Section 671B

Notice of initial substantial holder

To Company Name/Scheme QMS MEDIA LIMITED

ACN/ARSN 603 037 341

1. Details of substantial holder (1)

Name Morgan Stanley and its subsidiaries listed in Annexure A
ACN/ARSN (if applicable) Not Applicable

The holder became a substantial holder on November 12, 2019

The holder became aware on November 14, 2019

2. Details of voting power

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

Class of securities (4)	Number of securities	Person's votes (5)	Voting power (6)
Ordinary Shares	25,472,257	25,472,257	7.39%
			Based on 344,737,836 Ordinary Shares Outstanding

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
Morgan Stanley & Co. International plc	Shares held or in respect of which the holder may exercise control over disposal in the ordinary course of sales and trading businesses.	4,218,346 Ordinary Shares
Morgan Stanley Australia Securities Limited	Shares held or in respect of which the holder may exercise control over disposal in the ordinary course of sales and trading businesses.	20,827,944 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	Shares held or in respect of which the holder may exercise control over disposal in the ordinary course of discretionary managed business.	425,967 Ordinary Shares
Each of the entities (as listed in Annexure A) in the Morgan Stanley group upstream of the above entities	Each of the above entities is a body corporate that each upstream entity controls and therefore has the relevant interests that the above entities collectively have.	25,472,257 Ordinary Shares(N.B.: Total of the above direct interest)

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
Morgan Stanley & Co. International plc	HSBC Custody Nominees (Australia) Limited	Not Applicable	4,218,346 Ordinary Shares
Morgan Stanley Australia Securities Limited	Morgan Stanley Australia Securities (Nominee) Pty Limited	Not Applicable	20,827,944 Ordinary Shares

Morgan Stanley Wealth Management Australia Pty Ltd	Morgan Stanley Wealth Management Australia Pty discretionary client account	Not Applicable	425,967 Ordinary Shares
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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 interest of securities
		Cash	Non-cash	
Morgan Stanley Australia Securities Limited	07/17/2019	9.35	Buy	11 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/17/2019	0.85	Buy	1 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/17/2019	72,391.95	Buy	85,167 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/18/2019	283.01	Buy	331 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/18/2019	87,425.88	Buy	101,658 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/18/2019	47.04	Buy	56 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/22/2019	124.95	Buy	147 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/22/2019	382.19	Buy	447 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/22/2019	258.39	Buy	297 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/22/2019	1,387.49	Buy	1,642 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/25/2019	259.92	Buy	304 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/25/2019	318.06	Buy	372 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/26/2019	59.85	Buy	70 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	07/29/2019	1,113.49	Buy	1,291 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	07/29/2019	604.61	Buy	701 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	07/29/2019	452.81	Buy	525 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	07/29/2019	475.24	Buy	551 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	07/29/2019	507.15	Buy	588 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	07/29/2019	1,538.70	Buy	1,784 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	07/29/2019	514.05	Buy	596 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	07/29/2019	510.60	Buy	592 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	07/29/2019	517.50	Buy	600 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	07/29/2019	729.68	Buy	846 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	07/29/2019	730.54	Buy	847 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	07/29/2019	535.61	Buy	621 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	07/29/2019	3,609.56	Buy	4,185 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	07/29/2019	473.51	Buy	549 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	07/29/2019	489.04	Buy	567 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	07/29/2019	821.96	Buy	953 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/01/2019	460,690.00	Buy	500,000 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/01/2019	112.50	Buy	125 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/02/2019	620.24	Buy	693 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/02/2019	860.38	Buy	920 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/02/2019	726.65	Buy	777 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/02/2019	726.65	Buy	777 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/02/2019	723.84	Buy	774 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/02/2019	860.38	Buy	920 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/02/2019	869.74	Buy	930 Ordinary Shares

Morgan Stanley Wealth Management Australia Pty Ltd	08/02/2019	472.28	Buy	505 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/02/2019	508.75	Buy	544 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/02/2019	721.04	Buy	771 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/02/2019	736.00	Buy	787 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/02/2019	310.31	Buy	341 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/02/2019	818.30	Buy	875 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/02/2019	535.87	Buy	573 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/02/2019	691.11	Buy	739 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/02/2019	880.96	Buy	942 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/02/2019	599.46	Buy	641 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/02/2019	486.30	Buy	520 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/02/2019	1,113.82	Buy	1,191 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/02/2019	791.18	Buy	846 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/02/2019	514.36	Buy	550 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/02/2019	508.75	Buy	544 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/02/2019	748.16	Buy	800 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/02/2019	1,527.18	Buy	1,633 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/02/2019	313.28	Buy	352 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/02/2019	0.90	Buy	1 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/02/2019	686.44	Buy	734 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/02/2019	857.58	Buy	917 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/02/2019	816.43	Buy	873 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/02/2019	475.08	Buy	508 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/02/2019	790.24	Buy	845 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/02/2019	508.75	Buy	544 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/02/2019	171.90	Buy	191 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/02/2019	622.84	Buy	666 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/02/2019	3,695.91	Buy	3,952 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/06/2019	22.88	Buy	26 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/06/2019	877.85	Buy	970 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/07/2019	1.74	Buy	2 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/07/2019	20.01	Buy	23 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/07/2019	1,092.00	Buy	1,200 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/07/2019	44.35	Buy	49 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/07/2019	45.00	Buy	50 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/07/2019	63.24	Buy	68 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/07/2019	47.32	Buy	52 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/07/2019	455.00	Buy	500 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/09/2019	121.94	Buy	134 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/09/2019	161.96	Buy	183 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/09/2019	280.55	Buy	310 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/12/2019	413.10	Buy	459 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/12/2019	275.66	Buy	308 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/12/2019	481.39	Buy	529 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/12/2019	217.20	Buy	240 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/13/2019	10.74	Buy	12 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/16/2019	629.27	Buy	766 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/16/2019	1,607.68	Buy	1,957 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/16/2019	962.80	Buy	1,172 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/16/2019	437.86	Buy	533 Ordinary Shares

Morgan Stanley Wealth Management Australia Pty Ltd	08/16/2019	961.98	Buy	1,171 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/16/2019	794.39	Buy	967 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/16/2019	673.63	Buy	820 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/16/2019	395.96	Buy	482 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/16/2019	504.40	Buy	614 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/16/2019	468.26	Buy	570 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/16/2019	460.04	Buy	560 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/16/2019	497.83	Buy	606 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/16/2019	505.22	Buy	615 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/16/2019	476.47	Buy	580 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/16/2019	1,964.79	Buy	2,298 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/16/2019	1,082.74	Buy	1,318 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/16/2019	681.02	Buy	829 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/16/2019	557.80	Buy	679 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/16/2019	457.58	Buy	557 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/16/2019	675.27	Buy	822 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/16/2019	709.78	Buy	864 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/16/2019	440.32	Buy	536 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/16/2019	3,726.32	Buy	4,536 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/16/2019	552.05	Buy	672 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/16/2019	675.27	Buy	822 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/16/2019	520.83	Buy	634 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/16/2019	1,473.77	Buy	1,794 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/16/2019	547.12	Buy	666 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/16/2019	627.63	Buy	764 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/16/2019	644.88	Buy	785 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/16/2019	547.94	Buy	667 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/19/2019	832.94	Buy	1,036 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/19/2019	832.94	Buy	1,036 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/19/2019	557.98	Buy	694 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/19/2019	517.78	Buy	644 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/19/2019	450.24	Buy	560 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/19/2019	583.70	Buy	726 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/19/2019	483.20	Buy	601 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/19/2019	32.00	Buy	40 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/19/2019	688.22	Buy	856 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/19/2019	381.10	Buy	474 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/19/2019	412.45	Buy	513 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/19/2019	1,275.14	Buy	1,586 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/19/2019	1,747.90	Buy	2,174 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/19/2019	397.98	Buy	495 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/19/2019	614.26	Buy	764 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/19/2019	5,135.15	Buy	6,387 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/19/2019	397.18	Buy	494 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/19/2019	472.75	Buy	588 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/19/2019	589.33	Buy	733 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/19/2019	583.70	Buy	726 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/19/2019	147.77	Buy	183 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/19/2019	935.86	Buy	1,164 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/19/2019	438.18	Buy	545 Ordinary Shares

Morgan Stanley Wealth Management Australia Pty Ltd	08/19/2019	343.31	Buy	427 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/19/2019	473.56	Buy	589 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/19/2019	542.70	Buy	675 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/19/2019	378.68	Buy	471 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/19/2019	583.70	Buy	726 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/19/2019	477.58	Buy	594 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/19/2019	344.25	Buy	425 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/19/2019	435.77	Buy	542 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/19/2019	405.22	Buy	504 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/19/2019	545.11	Buy	678 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/21/2019	528.08	Buy	656 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/22/2019	1,552.58	Buy	1,905 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/26/2019	613.70	Buy	722 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/26/2019	686.40	Buy	832 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/26/2019	1,094.40	Buy	1,280 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/26/2019	9.13	Buy	11 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/26/2019	443.70	Buy	522 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/26/2019	566.16	Buy	674 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/26/2019	862.56	Buy	1,033 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/26/2019	1,524.38	Buy	1,804 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/26/2019	428.28	Buy	498 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/26/2019	451.44	Buy	528 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/26/2019	1,103.30	Buy	1,298 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/27/2019	349.16	Buy	406 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/27/2019	513.42	Buy	597 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/27/2019	332.82	Buy	387 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/27/2019	282.08	Buy	328 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/27/2019	384.42	Buy	447 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/27/2019	298.42	Buy	347 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/27/2019	321.64	Buy	374 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/27/2019	403.34	Buy	469 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/27/2019	355.18	Buy	413 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/27/2019	435.16	Buy	506 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/27/2019	3,102.88	Buy	3,608 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/27/2019	1,307.20	Buy	1,520 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/27/2019	359.48	Buy	418 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/27/2019	435.16	Buy	506 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/27/2019	323.36	Buy	376 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/27/2019	414.52	Buy	482 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/27/2019	253.70	Buy	295 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/27/2019	405.92	Buy	472 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/27/2019	279.50	Buy	325 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/27/2019	700.04	Buy	814 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/27/2019	293.26	Buy	341 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/27/2019	622.64	Buy	724 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/27/2019	621.78	Buy	723 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/27/2019	439.46	Buy	511 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/27/2019	434.30	Buy	505 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/27/2019	458.38	Buy	533 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/27/2019	305.30	Buy	355 Ordinary Shares

Morgan Stanley Wealth Management Australia Pty Ltd	08/27/2019	294.12	Buy	342 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/27/2019	0.86	Buy	1 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/27/2019	350.88	Buy	408 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/27/2019	4,491.78	Buy	5,223 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/28/2019	9,410.35	Buy	11,071 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/28/2019	1,077.80	Buy	1,268 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/28/2019	8.40	Buy	10 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/28/2019	2,089.30	Buy	2,458 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/28/2019	1,370.20	Buy	1,612 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/28/2019	1,215.50	Buy	1,430 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/28/2019	1,303.05	Buy	1,533 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/28/2019	1,533.40	Buy	1,804 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/28/2019	1,858.10	Buy	2,186 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/28/2019	1,055.70	Buy	1,242 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/28/2019	920.55	Buy	1,083 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/28/2019	1,065.05	Buy	1,253 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/28/2019	1,246.10	Buy	1,466 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/28/2019	904.40	Buy	1,064 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/28/2019	888.25	Buy	1,045 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/28/2019	972.40	Buy	1,144 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/28/2019	597.42	Buy	707 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/28/2019	335.75	Buy	395 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/28/2019	975.80	Buy	1,148 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/28/2019	765.85	Buy	901 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/28/2019	527.00	Buy	620 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/28/2019	1,210.40	Buy	1,424 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/28/2019	3,898.10	Buy	4,586 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/28/2019	1,003.85	Buy	1,181 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/28/2019	1,858.10	Buy	2,186 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/28/2019	1,315.80	Buy	1,548 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/28/2019	1,154.30	Buy	1,358 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/28/2019	1,303.90	Buy	1,534 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/28/2019	885.70	Buy	1,042 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/28/2019	844.90	Buy	994 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/28/2019	1,054.85	Buy	1,241 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/28/2019	1,302.20	Buy	1,532 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	08/28/2019	850.85	Buy	1,001 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/29/2019	1.69	Buy	2 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/30/2019	498.83	Buy	601 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/03/2019	48.14	Buy	58 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	09/05/2019	664.78	Buy	773 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	09/05/2019	580.50	Buy	675 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	09/05/2019	865.16	Buy	1,006 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	09/05/2019	909.88	Buy	1,058 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/05/2019	1,475.69	Buy	1,706 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	09/05/2019	699.18	Buy	813 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	09/05/2019	499.66	Buy	581 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	09/05/2019	2,581.72	Buy	3,002 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	09/05/2019	1,017.38	Buy	1,183 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	09/05/2019	1,229.80	Buy	1,430 Ordinary Shares

Morgan Stanley Wealth Management Australia Pty Ltd	09/05/2019	5,961.52	Buy	6,932 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	09/05/2019	605.44	Buy	704 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	09/05/2019	1,382.02	Buy	1,607 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	09/05/2019	580.50	Buy	675 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	09/05/2019	556.42	Buy	647 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	09/05/2019	713.80	Buy	830 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	09/05/2019	642.42	Buy	747 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	09/05/2019	357.76	Buy	416 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	09/05/2019	872.90	Buy	1,015 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	09/05/2019	592.54	Buy	689 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	09/05/2019	801.52	Buy	932 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/05/2019	1,614.38	Buy	1,845 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	09/05/2019	864.30	Buy	1,005 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	09/05/2019	1,228.94	Buy	1,429 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	09/05/2019	552.98	Buy	643 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	09/05/2019	805.82	Buy	937 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	09/05/2019	698.32	Buy	812 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	09/05/2019	763.68	Buy	888 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	09/05/2019	645.86	Buy	751 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	09/05/2019	864.30	Buy	1,005 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	09/05/2019	705.20	Buy	820 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/06/2019	5,716.25	Buy	6,725 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/06/2019	1,507.05	Buy	1,773 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/09/2019	430.92	Buy	504 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	09/09/2019	12,544.52	Buy	14,636 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/09/2019	30.10	Buy	35 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/09/2019	1,414.40	Buy	1,664 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/09/2019	158.10	Buy	186 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/09/2019	254.44	Buy	295 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/09/2019	1,757.84	Buy	2,044 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/09/2019	29.93	Buy	35 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/09/2019	1,637.10	Buy	1,926 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/09/2019	1,445.66	Buy	1,681 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/09/2019	29.58	Buy	35 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	09/10/2019	579.60	Buy	681 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/10/2019	82.94	Buy	97 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/10/2019	2,387.65	Buy	2,809 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/10/2019	2,504.58	Buy	2,964 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/10/2019	993.72	Buy	1,176 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/10/2019	3,465.35	Buy	4,101 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/10/2019	472.82	Buy	553 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/10/2019	1,450.10	Buy	1,706 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	09/11/2019	5,121.45	Buy	5,990 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/11/2019	867.85	Buy	1,021 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/11/2019	1,428.71	Buy	1,671 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	09/11/2019	5,121.45	Buy	5,990 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/12/2019	212.04	Buy	248 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/12/2019	77.35	Buy	91 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/13/2019	79.98	Buy	93 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/13/2019	5.34	Buy	6 Ordinary Shares

Morgan Stanley Australia Securities Limited	09/16/2019	1,128.52	Buy	1,268 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/16/2019	243.76	Buy	277 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/17/2019	163.56	Buy	188 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/17/2019	38.50	Buy	44 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/18/2019	253.17	Buy	291 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/18/2019	2,331.46	Buy	2,711 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/19/2019	1,277.37	Buy	1,494 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/24/2019	895.19	Buy	1,026 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/24/2019	111.13	Buy	127 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/25/2019	371.52	Buy	432 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/25/2019	2,159.34	Buy	2,482 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/25/2019	522.88	Buy	608 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/25/2019	80.91	Buy	93 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/25/2019	1,242.14	Buy	1,436 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/26/2019	1,024.78	Buy	1,145 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/26/2019	1,110.60	Buy	1,234 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/26/2019	844.20	Buy	938 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/27/2019	1,104.30	Buy	1,227 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/27/2019	5.40	Buy	6 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/27/2019	18.20	Buy	20 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/30/2019	1,683.60	Buy	1,830 Ordinary Shares
Morgan Stanley Australia Securities Limited	09/30/2019	677.70	Buy	753 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/01/2019	1,018.44	Buy	1,107 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/01/2019	275.40	Buy	306 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/02/2019	333.60	Buy	367 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/02/2019	818.10	Buy	900 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/02/2019	2,259.77	Buy	2,486 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/02/2019	1,204.84	Buy	1,324 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/02/2019	338.15	Buy	372 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/02/2019	322.70	Buy	355 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/02/2019	351.78	Buy	387 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/02/2019	509.04	Buy	560 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/02/2019	333.60	Buy	367 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/02/2019	545.40	Buy	600 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/02/2019	599.94	Buy	660 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/02/2019	334.51	Buy	368 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/02/2019	310.88	Buy	342 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/03/2019	1,083.00	Buy	1,200 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/04/2019	1,047.60	Buy	1,164 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/04/2019	9,292.90	Buy	10,322 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/04/2019	9,292.90	Buy	10,322 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/04/2019	0.90	Buy	1 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/07/2019	167.40	Buy	186 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/07/2019	22.88	Buy	26 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/07/2019	925.43	Buy	1,034 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/08/2019	1,030.50	Buy	1,145 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/08/2019	348.43	Buy	385 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/08/2019	95.93	Buy	106 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/08/2019	1,295.10	Buy	1,439 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/09/2019	1,161.00	Buy	1,290 Ordinary Shares

Morgan Stanley Australia Securities Limited	10/10/2019	1,493.10	Buy	1,659 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/10/2019	3,945.62	Buy	4,385 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/11/2019	741.60	Buy	824 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/11/2019	758.70	Buy	843 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/14/2019	25.06	Buy	28 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/14/2019	1,499.96	Buy	1,662 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/15/2019	386.13	Buy	422 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/15/2019	99.74	Buy	109 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/15/2019	511.20	Buy	568 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/15/2019	498.66	Buy	551 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/15/2019	415.80	Buy	462 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/15/2019	44.10	Buy	49 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2019	1,227.50	Buy	1,387 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2019	948.74	Buy	1,066 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2019	1,161.00	Buy	1,290 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2019	953.18	Buy	1,065 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/17/2019	646.60	Buy	724 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/17/2019	704.66	Buy	789 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/17/2019	808.26	Buy	905 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/17/2019	895.78	Buy	1,003 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/17/2019	652.86	Buy	731 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/17/2019	538.54	Buy	603 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/17/2019	675.18	Buy	756 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/17/2019	679.65	Buy	761 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/17/2019	810.04	Buy	907 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/17/2019	1,555.20	Buy	1,728 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/17/2019	805.58	Buy	902 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/17/2019	817.19	Buy	915 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/17/2019	702.87	Buy	787 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/17/2019	651.07	Buy	729 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/17/2019	668.93	Buy	749 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/17/2019	677.86	Buy	759 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/17/2019	7,169.81	Buy	8,028 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/17/2019	768.96	Buy	861 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/17/2019	620.70	Buy	695 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/17/2019	743.95	Buy	833 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/17/2019	2,176.48	Buy	2,437 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/17/2019	5,072.81	Buy	5,680 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/17/2019	538.54	Buy	603 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/17/2019	668.04	Buy	748 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/17/2019	948.47	Buy	1,062 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/17/2019	668.93	Buy	749 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/17/2019	659.11	Buy	738 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/17/2019	1,252.13	Buy	1,402 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/17/2019	1,099.41	Buy	1,231 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/17/2019	691.26	Buy	774 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/17/2019	1,305.71	Buy	1,462 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/17/2019	884.17	Buy	990 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/18/2019	4,384.23	Buy	4,909 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/18/2019	1,367.79	Buy	1,524 Ordinary Shares

Morgan Stanley Australia Securities Limited	10/21/2019	3,064.50	Buy	3,405 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/21/2019	1,591.20	Buy	1,768 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/21/2019	65.70	Buy	73 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/22/2019	1,354.50	Buy	1,505 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/22/2019	405.44	Buy	453 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/23/2019	273.87	Buy	306 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/23/2019	1,683.00	Buy	1,870 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/29/2019	530,588.11	Buy	429,626 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/29/2019	53,979.49	Buy	44,155 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/29/2019	24,418.54	Buy	20,139 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/29/2019	4,962.48	Buy	4,051 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/29/2019	1,056.33	Buy	873 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/29/2019	6,467.22	Buy	5,301 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/29/2019	386,815.64	Buy	317,062 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/29/2019	2,927,747.53	Buy	2,429,666 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/29/2019	2,626.90	Buy	2,180 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/29/2019	1,590.44	Buy	1,309 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/30/2019	9,391.05	Buy	7,635 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	10/30/2019	10,155.80	Buy	8,240 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	11/05/2019	634.62	Buy	517 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	11/05/2019	74.88	Buy	61 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	11/05/2019	138.71	Buy	113 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	11/05/2019	87.15	Buy	71 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	11/05/2019	85.93	Buy	70 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/07/2019	5,501,250.00	Buy	4,500,000 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/08/2019	12,046.65	Buy	9,834 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/11/2019	15,351.70	Buy	12,532 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/12/2019	1,028,367.00	Buy	841,200 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	11/12/2019	18,009.87	Buy	14,732 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/12/2019	2,690.72	Buy	2,201 Ordinary Shares
Morgan Stanley Wealth Management Australia Pty Ltd	11/12/2019	12,006.17	Buy	9,821 Ordinary Shares
Morgan Stanley & Co. International plc	11/12/2019	3,861,633.00	Buy	3,158,800 Ordinary Shares
Morgan Stanley & Co. International plc	11/12/2019	1,028,367.00	Buy	841,200 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/12/2019	24,390,782.10	Buy	19,951,560 Ordinary Shares

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
Morgan Stanley & Co. International plc	Is a body corporate controlled by each upstream entity as listed in Annexure A
Morgan Stanley Wealth Management Australia Pty Ltd	Is a body corporate controlled by each upstream entity as listed in Annexure A
Morgan Stanley Australia Securities Limited	Is a body corporate controlled by each upstream entity as listed in Annexure A

7. Addresses

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

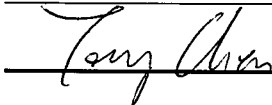
Name	Address
Morgan Stanley	1585 Broadway, New York, New York, 10036, USA.
Morgan Stanley & Co. International plc	Legal & Compliance Department, 25 Cabot Square, Canary Wharf, London, E14 4QA, UNITED KINGDOM.
Morgan Stanley Wealth Management Australia Pty Ltd	Level 39, Chifley Tower, 2 Chifley Square, Sydney, 2000, AUSTRALIA.
Morgan Stanley Australia Securities Limited	Level 39, Chifley Tower, 2 Chifley Square, Sydney, 2000, AUSTRALIA.

Signature

print name Tony Chen

capacity Vice President

sign here



date November 14, 2019

Annexure A

List of Morgan Stanley and its subsidiaries that have a relevant interest or deemed to have a relevant interest in the shares or units stated in Section 3.

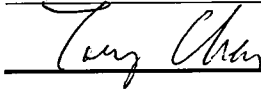
Name
Morgan Stanley
├── Morgan Stanley International Holdings Inc.
│ ├── Morgan Stanley International Limited
│ │ ├── Morgan Stanley Investments (UK)
│ │ └── Morgan Stanley & Co. International plc
│ └── Morgan Stanley (Australia) Securities Holdings Pty Limited
│ └── Morgan Stanley Australia Securities Limited
└── Morgan Stanley Capital Management, LLC
├── Morgan Stanley Domestic Holdings, Inc.
└── Morgan Stanley Wealth Management Australia Pty Ltd

Signature

print name Tony Chen

capacity Vice President

sign here



date

November 14, 2019

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, moneys 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.

GUIDE

This guide does not form part of the prescribed form and is included by ASIC to assist you in completing and lodging form 603.

Signature

This form must be signed by either a director or a secretary of the substantial holder.

Nil

Lodging period

Lodging Fee

Nil

Other forms to be completed

Nil

Additional information

- (a) If additional space is required to complete a question, the information may be included on a separate piece of paper annexed to the form.
- (b) This notice must be given to a listed company, or the responsible entity for a listed managed investment scheme. A copy of this notice must also be given to each relevant securities exchange.
- (c) The person must give a copy of this notice:
 - (i) within 2 business days after they become aware of the information; or
 - (ii) by 9.30 am on the next trading day of the relevant securities exchange after they become aware of the information if:
 - (A) a takeover bid is made for voting shares in the company or voting interests in the scheme; and
 - (B) the person becomes aware of the information during the bid period.

Annexures

To make any annexure conform to the regulations, you must

- 1 use A4 size paper of white or light pastel colour with a margin of at least 10mm on all sides
- 2 show the corporation name and ACN or ARBN
- 3 number the pages consecutively
- 4 print or type in BLOCK letters in dark blue or black ink so that the document is clearly legible when photocopied
- 5 identify the annexure with a mark such as A, B, C, etc
- 6 endorse the annexure with the words:
This is annexure (mark) of (number) pages referred to in form (form number and title)
- 7 sign and date the annexure.

The annexure must be signed by the same person(s) who signed the form.

Information in this guide is intended as a guide only. Please consult your accountant or solicitor for further advice.