

Form 603
Corporations Act 2001
Section 671B

Notice of initial substantial holder

To Company Name/Scheme METALS X LIMITED

ACN/ARSN 110 150 055

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 22, 2018

The holder became aware on November 26, 2018

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	42,620,829	42,620,829	6.19%
			Based on 689,060,508 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. Right as lender to recall the shares under a securities lending or prime brokerage arrangement.	29,907,519 Ordinary Shares
Morgan Stanley & Co. LLC	Shares held or in respect of which the holder may exercise control over disposal in the ordinary course of sales and trading businesses. Right as lender to recall the shares under a prime brokerage arrangement.	2,988,026 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.	9,725,284 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.	42,620,829 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 Australia Securities Limited	Morgan Stanley Australia Securities (Nominee) Pty Limited	Not Applicable	9,725,284 Ordinary Shares
Morgan Stanley & Co. International plc	Unknown	Not Applicable	29,907,519 Ordinary Shares

Morgan Stanley & Co. LLC	Unknown	Not Applicable	2,988,026 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	7/23/2018	613.80	Buy	923 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/23/2018	6,557.96	Buy	9,788 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/23/2018	9,863.28	Buy	14,832 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/23/2018	655.93	Buy	979 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/23/2018	3,677.52	Buy	5,572 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/24/2018	376.63	Buy	575 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/24/2018	41.42	Buy	63 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/24/2018	3,838.96	Buy	5,861 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/24/2018	824.49	Buy	1,226 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/24/2018	12.35	Buy	19 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/24/2018	2,228.16	Buy	3,376 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/24/2018	738.84	Buy	1,128 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/24/2018	3,418.45	Buy	5,219 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/24/2018	3,209.30	Buy	4,790 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/24/2018	304.92	Buy	462 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/24/2018	177.45	Buy	273 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/24/2018	6,428.56	Buy	9,667 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/24/2018	181.55	Buy	273 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/24/2018	95.63	Buy	146 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/24/2018	1,708.24	Buy	2,608 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/24/2018	5,196.31	Buy	7,814 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/24/2018	571.82	Buy	873 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/24/2018	4,181.47	Buy	6,241 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/24/2018	153.78	Buy	233 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/24/2018	643.50	Buy	975 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/24/2018	635.05	Buy	977 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/24/2018	106.26	Buy	161 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/24/2018	2,254.50	Buy	3,340 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/24/2018	221.45	Buy	333 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/24/2018	0.66	Buy	1 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/24/2018	942.74	Buy	1,423 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/24/2018	53.20	Buy	80 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/24/2018	5,614.62	Buy	8,507 Ordinary Shares
Morgan Stanley & Co. International Plc	7/24/2018	984.16	Buy	1,486 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/25/2018	1,198.75	Buy	1,750 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/25/2018	271.17	Buy	393 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/25/2018	24.24	Buy	35 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/25/2018	3,467.25	Buy	5,025 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/25/2018	68.81	Buy	99 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/25/2018	761.75	Buy	1,100 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/25/2018	23,028.13	Buy	33,134 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/25/2018	120.56	Buy	176 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/25/2018	78.66	Buy	114 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/25/2018	1,121.31	Buy	1,631 Ordinary Shares

Morgan Stanley Australia Securities Limited	7/25/2018	866.53	Buy	1,265 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/25/2018	1,488.33	Buy	2,157 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/25/2018	270.58	Buy	395 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/25/2018	552.62	Buy	798 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/25/2018	5,635.23	Buy	8,167 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/25/2018	2,261.87	Buy	3,302 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/25/2018	7,860.48	Buy	11,392 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/25/2018	9,114.93	Buy	13,115 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/25/2018	2,580.90	Buy	3,687 Ordinary Shares
Morgan Stanley & Co. International Plc	7/26/2018	N/A	Collateral Received	32,959 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/26/2018	42.70	Buy	61 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/26/2018	242.73	Buy	348 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/26/2018	37.67	Buy	54 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/26/2018	54.91	Buy	79 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/26/2018	3,148.53	Buy	4,466 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/26/2018	1,645.07	Buy	2,367 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/26/2018	288.56	Buy	405 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/26/2018	9,766.14	Buy	14,052 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/26/2018	2,130.00	Buy	3,000 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/26/2018	9,371.60	Buy	13,388 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/26/2018	7,109.20	Buy	10,156 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/26/2018	1.41	Buy	2 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/26/2018	387.80	Buy	554 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/26/2018	3,746.67	Buy	5,277 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/26/2018	2.09	Buy	3 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/26/2018	429.55	Buy	605 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/26/2018	4,861.29	Buy	6,799 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/26/2018	1,374.23	Buy	1,922 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/26/2018	639.80	Buy	914 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/26/2018	9,859.06	Buy	13,886 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/26/2018	277.77	Buy	394 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/26/2018	10,402.00	Buy	14,860 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/26/2018	161.70	Buy	231 Ordinary Shares
Morgan Stanley & Co. International Plc	7/27/2018	N/A	Collateral Received	67,041 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/27/2018	39.15	Buy	54 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/27/2018	354.27	Buy	482 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/27/2018	2,918.88	Buy	4,054 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/27/2018	3,176.75	Buy	4,443 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/27/2018	5,694.15	Buy	7,854 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/27/2018	0.73	Buy	1 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/27/2018	1,229.01	Buy	1,731 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/27/2018	826.54	Buy	1,156 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/27/2018	185.19	Buy	259 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/27/2018	1,312.54	Buy	1,798 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/27/2018	552.38	Buy	778 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/27/2018	429.24	Buy	588 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/27/2018	390.05	Buy	538 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/27/2018	1,279.55	Buy	1,771 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/27/2018	112.42	Buy	154 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/27/2018	184.06	Buy	253 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/27/2018	1,988.18	Buy	2,705 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/27/2018	12,508.55	Buy	17,135 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/27/2018	3,071.35	Buy	4,251 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/27/2018	122.33	Buy	167 Ordinary Shares

Morgan Stanley Australia Securities Limited	7/27/2018	207.32	Buy	284 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/27/2018	9.46	Buy	13 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/30/2018	118.18	Buy	163 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/30/2018	7.15	Buy	10 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/30/2018	734.40	Buy	1,020 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/30/2018	227.37	Buy	318 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/30/2018	3,999.71	Buy	5,594 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/30/2018	7.25	Buy	10 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/30/2018	55.25	Buy	77 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/30/2018	933.08	Buy	1,305 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/30/2018	882.31	Buy	1,234 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/30/2018	183.18	Buy	258 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/30/2018	494.48	Buy	694 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/30/2018	6,978.59	Buy	9,829 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/30/2018	69.11	Buy	97 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/30/2018	3,670.70	Buy	5,170 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/30/2018	4,328.87	Buy	6,097 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/30/2018	255.20	Buy	352 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/30/2018	24.85	Buy	35 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/30/2018	802.99	Buy	1,127 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/30/2018	119.41	Buy	167 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/30/2018	1,326.75	Buy	1,830 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/30/2018	33.37	Buy	47 Ordinary Shares
Morgan Stanley Australia Securities Limited	7/30/2018	288.15	Buy	403 Ordinary Shares
Morgan Stanley & Co. International Plc	7/30/2018	4,792.26	Buy	6,725 Ordinary Shares
Morgan Stanley & Co. International Plc	7/30/2018	2,544.96	Buy	3,561 Ordinary Shares
Morgan Stanley & Co. International Plc	8/1/2018	N/A	Borrow	30,000 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/1/2018	5,761.80	Buy	8,730 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/1/2018	20,226.64	Buy	30,416 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/1/2018	2,321.52	Buy	3,491 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/1/2018	536.00	Buy	800 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/1/2018	17,196.30	Buy	25,476 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/1/2018	14,531.63	Buy	21,689 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/1/2018	17,011.30	Buy	25,390 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/1/2018	525.64	Buy	773 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/1/2018	2,690.03	Buy	4,030 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/1/2018	2,539.36	Buy	3,776 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/1/2018	16,796.23	Buy	25,069 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/1/2018	420.92	Buy	619 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/1/2018	797.85	Buy	1,182 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/1/2018	1,168.86	Buy	1,694 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/1/2018	3,845.13	Buy	5,739 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/1/2018	100.79	Buy	151 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/1/2018	3,815.78	Buy	5,653 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/1/2018	15,238.13	Buy	22,575 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/1/2018	850.90	Buy	1,270 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/1/2018	1,499.99	Buy	2,214 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/1/2018	6,280.20	Buy	9,304 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/1/2018	17,659.08	Buy	26,555 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/1/2018	25,361.77	Buy	38,138 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/1/2018	945.30	Buy	1,380 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/1/2018	1,649.64	Buy	2,453 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/1/2018	42,226.65	Buy	62,558 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/1/2018	479.47	Buy	721 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/1/2018	1,492.17	Buy	2,147 Ordinary Shares

Morgan Stanley Australia Securities Limited	8/1/2018	1,784.20	Buy	2,683 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/1/2018	269.33	Buy	405 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/1/2018	1,118.26	Buy	1,609 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/1/2018	2,098.58	Buy	3,109 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/1/2018	170.73	Buy	252 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/1/2018	14,476.44	Buy	21,934 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/1/2018	837.26	Buy	1,245 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/1/2018	1,174.80	Buy	1,780 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/1/2018	5,339.95	Buy	8,030 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/1/2018	5,374.35	Buy	7,962 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/1/2018	143.51	Buy	215 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/1/2018	1,088.82	Buy	1,578 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/1/2018	2,522.12	Buy	3,709 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/1/2018	11,163.24	Buy	16,914 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/1/2018	939.65	Buy	1,413 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/1/2018	1,774.08	Buy	2,688 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/1/2018	59.18	Buy	88 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/2/2018	480.12	Buy	733 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/2/2018	215.80	Buy	332 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/2/2018	12,251.20	Buy	18,848 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/2/2018	721.50	Buy	1,110 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/2/2018	10,912.85	Buy	16,789 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/2/2018	1,782.95	Buy	2,743 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/2/2018	1,353.21	Buy	2,098 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/2/2018	3,302.30	Buy	5,061 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/2/2018	10,413.00	Buy	16,020 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/2/2018	225.75	Buy	350 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/2/2018	915.85	Buy	1,409 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/2/2018	282.31	Buy	431 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/2/2018	1,883.70	Buy	2,898 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/2/2018	2,470.35	Buy	3,830 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/2/2018	1,784.07	Buy	2,766 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/2/2018	121.37	Buy	186 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/2/2018	7,150,000.00	Buy	11,000,000 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/2/2018	168.34	Buy	257 Ordinary Shares
Morgan Stanley & Co. International Plc	8/3/2018	N/A	Collateral Received	40,000 Ordinary Shares
Morgan Stanley & Co. International Plc	8/3/2018	332.83	Buy	539 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/3/2018	39.65	Buy	65 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/3/2018	4,547.70	Buy	7,335 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/3/2018	44.53	Buy	73 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/3/2018	48.36	Buy	78 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/3/2018	50.84	Buy	82 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/3/2018	1,951.13	Buy	3,025 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/3/2018	1,996.25	Buy	3,194 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/3/2018	182.90	Buy	295 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/3/2018	285.82	Buy	461 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/3/2018	1,866.69	Buy	2,963 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/3/2018	2,987.68	Buy	4,705 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/3/2018	101.68	Buy	166 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/3/2018	3,805.44	Buy	5,946 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/3/2018	67.65	Buy	110 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/3/2018	69.76	Buy	109 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/3/2018	0.64	Buy	1 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/3/2018	63.24	Buy	102 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/3/2018	332.83	Buy	539 Ordinary Shares

Morgan Stanley Australia Securities Limited	8/3/2018	23.37	Buy	38 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/6/2018	14.58	Buy	24 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/6/2018	38.24	Buy	64 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/6/2018	7.14	Buy	12 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/6/2018	2,356.20	Buy	3,927 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/6/2018	5.36	Buy	9 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/6/2018	7.08	Buy	12 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/6/2018	457.30	Buy	759 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/6/2018	66.42	Buy	108 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/6/2018	8,281.20	Buy	13,802 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/6/2018	5.49	Buy	9 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/6/2018	2,252.12	Buy	3,692 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/6/2018	14.76	Buy	24 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/6/2018	357.46	Buy	586 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/6/2018	48.00	Buy	80 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/6/2018	64.93	Buy	106 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/6/2018	5.49	Buy	9 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/6/2018	16,842.07	Buy	28,306 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/6/2018	596.19	Buy	1,002 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/6/2018	2,615.68	Buy	4,288 Ordinary Shares
Morgan Stanley & Co. International Plc	8/7/2018	N/A	Borrow	40,000 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/7/2018	30.68	Buy	52 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/7/2018	1,659.46	Buy	2,789 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/7/2018	71.69	Buy	121 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/7/2018	104.72	Buy	176 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/7/2018	49.56	Buy	84 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/7/2018	282.03	Buy	474 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/7/2018	132.23	Buy	215 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/7/2018	7.08	Buy	12 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/7/2018	677.40	Buy	1,129 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/7/2018	58.20	Buy	97 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/7/2018	752.13	Buy	1,233 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/7/2018	1,675.01	Buy	2,839 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/7/2018	2,773.20	Buy	4,622 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/7/2018	7.14	Buy	12 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/7/2018	939.40	Buy	1,540 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/7/2018	66.64	Buy	112 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/7/2018	70.81	Buy	119 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/7/2018	80.92	Buy	136 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/7/2018	52.28	Buy	85 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/7/2018	4.80	Buy	8 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/7/2018	36.14	Buy	61 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/7/2018	394.06	Buy	646 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/7/2018	10.62	Buy	18 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/7/2018	828.85	Buy	1,370 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/7/2018	14,033.15	Buy	23,785 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/8/2018	978.60	Buy	1,680 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/8/2018	783.67	Buy	1,357 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/8/2018	728.23	Buy	1,261 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/8/2018	517.43	Buy	877 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/8/2018	11.21	Buy	19 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/8/2018	8,323.00	Buy	14,350 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/8/2018	150.22	Buy	259 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/8/2018	299.13	Buy	507 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/8/2018	21.28	Buy	37 Ordinary Shares

Morgan Stanley Australia Securities Limited	8/8/2018	24.89	Buy	42 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/8/2018	525.92	Buy	899 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/8/2018	219.24	Buy	378 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/8/2018	96.53	Buy	165 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/8/2018	233.00	Buy	400 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/8/2018	311.08	Buy	541 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/8/2018	345.70	Buy	581 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/8/2018	865.36	Buy	1,492 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/8/2018	4,720.00	Buy	8,000 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/8/2018	317.84	Buy	541 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/8/2018	121.33	Buy	211 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/9/2018	5,938.04	Buy	10,238 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/10/2018	1,056.13	Buy	1,775 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/10/2018	253.20	Buy	422 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/10/2018	5,881.58	Buy	9,885 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/10/2018	2,303.96	Buy	3,824 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/10/2018	17,754.60	Buy	29,591 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/10/2018	33,346.80	Buy	55,578 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/10/2018	14.52	Buy	24 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/10/2018	855.60	Buy	1,426 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/10/2018	148.80	Buy	248 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/10/2018	1,043.08	Buy	1,717 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/10/2018	21,077.41	Buy	35,276 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/10/2018	3,137.53	Buy	5,186 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/10/2018	15.13	Buy	25 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/10/2018	5,393.40	Buy	8,989 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/10/2018	37,523.10	Buy	62,279 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/10/2018	336.60	Buy	561 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/13/2018	119.40	Buy	199 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/13/2018	397.46	Buy	668 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/13/2018	191.16	Buy	324 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/13/2018	483.21	Buy	819 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/13/2018	133.24	Buy	223 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/13/2018	16.20	Buy	27 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/14/2018	61.36	Buy	104 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/14/2018	19.06	Buy	33 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/14/2018	87.32	Buy	148 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/14/2018	6,224.38	Buy	10,825 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/14/2018	63.77	Buy	109 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/14/2018	2,796.30	Buy	4,780 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/14/2018	43.69	Buy	75 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/14/2018	2,713.41	Buy	4,599 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/16/2018	1.06	Buy	2 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/16/2018	12,070.75	Buy	22,775 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/16/2018	1.04	Buy	2 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/16/2018	680.40	Buy	1,260 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/17/2018	93.96	Buy	174 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/17/2018	1,382.94	Buy	2,561 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/17/2018	342.93	Buy	638 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/17/2018	23.54	Buy	44 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/17/2018	201.42	Buy	373 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/17/2018	125.67	Buy	236 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/17/2018	230.04	Buy	426 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/17/2018	2,470.35	Buy	4,596 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/17/2018	105.93	Buy	198 Ordinary Shares

Morgan Stanley Australia Securities Limited	8/17/2018	15,062.39	Buy	28,154 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/17/2018	1,376.51	Buy	2,585 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/17/2018	4,124.32	Buy	7,709 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/17/2018	242.36	Buy	453 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/17/2018	5,786.10	Buy	10,715 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/17/2018	1,568.37	Buy	2,891 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/20/2018	473.04	Buy	876 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/20/2018	249.63	Buy	471 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/20/2018	0.53	Buy	1 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/20/2018	74.03	Buy	141 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/20/2018	1,677.45	Buy	3,165 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/20/2018	0.53	Buy	1 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/20/2018	86.67	Buy	162 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/20/2018	154.76	Buy	292 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/20/2018	12,733.54	Buy	23,801 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/20/2018	170.63	Buy	325 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/21/2018	1,181.37	Buy	2,229 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/21/2018	438.90	Buy	836 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/21/2018	52.02	Buy	101 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/21/2018	1,382.44	Buy	2,584 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/21/2018	4,734.45	Buy	9,018 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/21/2018	136.08	Buy	252 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/21/2018	1,037.40	Buy	1,995 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/22/2018	439.37	Buy	829 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/22/2018	485.40	Buy	929 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/22/2018	852.77	Buy	1,609 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/22/2018	2,379.30	Buy	4,532 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/22/2018	191.10	Buy	364 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/22/2018	1,152.90	Buy	2,196 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/22/2018	3,697.72	Buy	7,111 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/22/2018	858.99	Buy	1,644 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/22/2018	60.32	Buy	116 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/22/2018	3,615.68	Buy	6,887 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/22/2018	350.18	Buy	667 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/22/2018	3,529.24	Buy	6,787 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/22/2018	75.40	Buy	145 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/22/2018	1,484.18	Buy	2,827 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/23/2018	76.49	Buy	145 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/23/2018	10,463.79	Buy	19,743 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/23/2018	1.05	Buy	2 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/23/2018	531.19	Buy	1,007 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/23/2018	2,383.43	Buy	4,455 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/23/2018	4.20	Buy	8 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/23/2018	2,302.85	Buy	4,345 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/23/2018	538.48	Buy	1,016 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/23/2018	3,192.00	Buy	6,080 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/23/2018	35.68	Buy	67 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/23/2018	1,284.92	Buy	2,413 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/24/2018	0.51	Buy	1 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/24/2018	960.51	Buy	1,902 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/24/2018	92.92	Buy	184 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/24/2018	1,146.99	Buy	2,249 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/24/2018	337.48	Buy	649 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/24/2018	564.20	Buy	1,085 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/24/2018	164.83	Buy	311 Ordinary Shares

Morgan Stanley Australia Securities Limited	8/24/2018	523.76	Buy	1,017 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/24/2018	203.78	Buy	390 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/24/2018	34.68	Buy	68 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/24/2018	406.00	Buy	812 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/24/2018	41.20	Buy	80 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/27/2018	273.24	Buy	506 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/27/2018	1,323.04	Buy	2,569 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/27/2018	345.05	Buy	670 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/27/2018	1,857.60	Buy	3,456 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/27/2018	346.80	Buy	680 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/27/2018	3,000.24	Buy	5,556 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/27/2018	66.96	Buy	124 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/27/2018	468.95	Buy	889 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/27/2018	930.24	Buy	1,824 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/27/2018	1.61	Buy	3 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/27/2018	2,240.05	Buy	4,187 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/28/2018	4,271.40	Buy	7,560 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/28/2018	264.32	Buy	472 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/28/2018	4,714.93	Buy	8,345 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/28/2018	7.91	Buy	14 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/28/2018	198.93	Buy	365 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/28/2018	3,843.13	Buy	6,802 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/28/2018	1,247.68	Buy	2,228 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/28/2018	315.21	Buy	553 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/28/2018	6,431.88	Buy	11,284 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/29/2018	164.16	Buy	288 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/29/2018	360.47	Buy	638 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/29/2018	260.85	Buy	470 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/29/2018	349.65	Buy	630 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/29/2018	609.35	Buy	1,093 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/29/2018	319.76	Buy	571 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/29/2018	47.04	Buy	84 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/29/2018	163.73	Buy	295 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/29/2018	859.14	Buy	1,555 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/29/2018	1,443.38	Buy	2,566 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/29/2018	287.49	Buy	518 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/29/2018	4,171.38	Buy	7,516 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/29/2018	506.21	Buy	908 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/30/2018	8.88	Buy	16 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/30/2018	1.67	Buy	3 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/30/2018	946.55	Buy	1,721 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/30/2018	1,389.85	Buy	2,493 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/30/2018	1,052.51	Buy	1,905 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/30/2018	385.17	Buy	694 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/30/2018	2,031.30	Buy	3,660 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/30/2018	531.30	Buy	966 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/30/2018	483.96	Buy	872 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/30/2018	3.89	Buy	7 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/31/2018	1,330.72	Buy	2,499 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/31/2018	2,438.63	Buy	4,623 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/31/2018	2,505.95	Buy	4,706 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/31/2018	50.93	Buy	97 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/31/2018	310.84	Buy	581 Ordinary Shares
Morgan Stanley Australia Securities Limited	8/31/2018	62.01	Buy	117 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/3/2018	3,121.65	Buy	5,946 Ordinary Shares

Morgan Stanley Australia Securities Limited	9/3/2018	303.26	Buy	586 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/3/2018	701.05	Buy	1,329 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/3/2018	61.43	Buy	117 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/3/2018	2,768.85	Buy	5,274 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/3/2018	1,870.48	Buy	3,632 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/3/2018	3,540.16	Buy	6,808 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/3/2018	1,384.43	Buy	2,637 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/3/2018	539.21	Buy	1,047 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/3/2018	3,085.68	Buy	5,934 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/3/2018	1,384.24	Buy	2,662 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/3/2018	2,039.63	Buy	3,885 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/3/2018	321.83	Buy	613 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/3/2018	825.55	Buy	1,580 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/4/2018	87.36	Buy	168 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/4/2018	3,357.29	Buy	6,519 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/4/2018	465.05	Buy	903 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/4/2018	2,372.24	Buy	4,562 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/4/2018	272.48	Buy	519 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/4/2018	552.30	Buy	1,052 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/4/2018	390.37	Buy	758 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/5/2018	17.85	Buy	35 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/5/2018	391.00	Buy	782 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/5/2018	390.37	Buy	758 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/5/2018	329.60	Buy	640 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/5/2018	499.55	Buy	970 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/5/2018	335.07	Buy	657 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/5/2018	248.56	Buy	485 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/5/2018	551.50	Buy	1,103 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/5/2018	1,096.86	Buy	2,172 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/5/2018	531.42	Buy	1,042 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/5/2018	1,684.00	Buy	3,368 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/5/2018	1,783.50	Buy	3,480 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/5/2018	339.39	Buy	659 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/5/2018	3,394.05	Buy	6,655 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/5/2018	1,422.08	Buy	2,816 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/5/2018	422.50	Buy	845 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/5/2018	1,514.50	Buy	2,999 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/5/2018	2,993.14	Buy	5,927 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/5/2018	2,990.64	Buy	5,864 Ordinary Shares
Morgan Stanley & Co. International Plc	9/5/2018	11,991.11	Buy	23,560 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/6/2018	1,211.77	Buy	2,473 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/6/2018	1,945.82	Buy	4,012 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/6/2018	793.42	Buy	1,611 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/6/2018	886.58	Buy	1,828 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/6/2018	434.61	Buy	878 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/6/2018	2,287.81	Buy	4,669 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/6/2018	435.36	Buy	907 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/6/2018	49.82	Buy	106 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/6/2018	1,681.02	Buy	3,396 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/6/2018	1,845.86	Buy	3,729 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/6/2018	554.60	Buy	1,180 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/6/2018	1,621.41	Buy	3,309 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/6/2018	438.26	Buy	899 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/6/2018	6,614.38	Buy	13,925 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/6/2018	41.86	Buy	85 Ordinary Shares

Morgan Stanley Australia Securities Limited	9/6/2018	342.05	Buy	691 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/6/2018	305.76	Buy	624 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/6/2018	1,121.89	Buy	2,387 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/6/2018	536.31	Buy	1,062 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/6/2018	3,047.10	Buy	6,187 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/6/2018	680.61	Buy	1,389 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/6/2018	340.06	Buy	694 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/6/2018	2,775.43	Buy	5,843 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/6/2018	2,142.50	Buy	4,285 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/6/2018	1,751.22	Buy	3,726 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/6/2018	42.08	Buy	85 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/6/2018	82.94	Buy	171 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/6/2018	4,803.40	Buy	10,220 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/6/2018	745.00	Buy	1,490 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/6/2018	515.06	Buy	1,025 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/6/2018	343.91	Buy	681 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/6/2018	458.52	Buy	931 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/6/2018	722.61	Buy	1,554 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/6/2018	3,370.75	Buy	6,950 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/6/2018	3,748.32	Buy	7,809 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/6/2018	3,603.46	Buy	7,354 Ordinary Shares
Morgan Stanley & Co. International Plc	9/6/2018	3,047.10	Buy	6,187 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/7/2018	4,446.24	Buy	9,263 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/7/2018	1,950.67	Buy	4,022 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/7/2018	52.87	Buy	109 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/7/2018	7,828.32	Buy	16,309 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/7/2018	117.97	Buy	251 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/7/2018	3,126.80	Buy	6,447 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/7/2018	134.42	Buy	286 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/7/2018	513.24	Buy	1,092 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/7/2018	472.63	Buy	995 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/7/2018	68.39	Buy	141 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/7/2018	1,911.40	Buy	4,024 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/7/2018	643.37	Buy	1,313 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/7/2018	4,318.37	Buy	8,813 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/7/2018	2,432.77	Buy	5,025 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/7/2018	1,072.34	Buy	2,211 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/7/2018	1,889.76	Buy	3,937 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/7/2018	290.32	Buy	608 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/7/2018	318.72	Buy	664 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/7/2018	3,393.06	Buy	6,996 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/7/2018	18.72	Buy	39 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/7/2018	2,229.99	Buy	4,551 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/7/2018	4,717.11	Buy	9,726 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/7/2018	1,527.03	Buy	3,249 Ordinary Shares
Morgan Stanley & Co. International Plc	9/7/2018	2,432.77	Buy	5,025 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/10/2018	68.25	Buy	140 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/10/2018	2,664.59	Buy	5,383 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/10/2018	200.36	Buy	411 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/10/2018	33.95	Buy	70 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/10/2018	4,970.56	Buy	10,144 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/10/2018	10,767.97	Buy	22,202 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/10/2018	2,597.00	Buy	5,300 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/10/2018	129.85	Buy	265 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/10/2018	805.10	Buy	1,660 Ordinary Shares

Morgan Stanley Australia Securities Limited	9/10/2018	56.43	Buy	114 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/10/2018	885.13	Buy	1,825 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/10/2018	85.64	Buy	173 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/10/2018	11,641.91	Buy	23,759 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/10/2018	5,106.08	Buy	10,528 Ordinary Shares
Morgan Stanley & Co. International Plc	9/10/2018	65.81	Buy	135 Ordinary Shares
Morgan Stanley & Co. International Plc	9/10/2018	2.44	Buy	5 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/11/2018	17.64	Buy	36 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/11/2018	270.68	Buy	536 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/11/2018	1,212.50	Buy	2,500 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/11/2018	9,426.13	Buy	19,237 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/11/2018	10,525.44	Buy	21,928 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/12/2018	2,177.51	Buy	4,399 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/12/2018	4,781.70	Buy	9,660 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/12/2018	0.49	Buy	1 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/12/2018	2,597.00	Buy	5,300 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/12/2018	0.49	Buy	1 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/13/2018	31.50	Buy	60 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/13/2018	2,031.16	Buy	3,944 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/13/2018	76.26	Buy	151 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/13/2018	490.05	Buy	990 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/13/2018	678.22	Buy	1,343 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/13/2018	2,345.49	Buy	4,599 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/13/2018	2,256.50	Buy	4,513 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/13/2018	3,570.53	Buy	6,801 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/13/2018	323.71	Buy	641 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/18/2018	265.96	Buy	488 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/18/2018	411.60	Buy	784 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/18/2018	277.56	Buy	514 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/18/2018	265.53	Buy	501 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/18/2018	4,227.57	Buy	7,902 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/18/2018	678.38	Buy	1,268 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/18/2018	242.55	Buy	462 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/18/2018	1,539.65	Buy	2,905 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/19/2018	20,481.45	Buy	37,239 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/19/2018	443.34	Buy	821 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/19/2018	3,390.45	Buy	6,221 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/19/2018	317.35	Buy	577 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/19/2018	1,395.83	Buy	2,515 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/19/2018	1,221.00	Buy	2,200 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/19/2018	7,417.30	Buy	13,486 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/20/2018	5,241.60	Buy	8,960 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/20/2018	14,061.06	Buy	24,036 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/20/2018	3,102.26	Buy	5,303 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/20/2018	8,644.90	Buy	14,905 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/21/2018	15,162.51	Buy	25,062 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/21/2018	387.81	Buy	641 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/21/2018	182.50	Buy	323 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/21/2018	5,902.56	Buy	10,447 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/21/2018	26,423.98	Buy	43,318 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/21/2018	120.79	Buy	203 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/21/2018	169.58	Buy	285 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/21/2018	264.13	Buy	433 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/21/2018	879.67	Buy	1,454 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/21/2018	476.18	Buy	821 Ordinary Shares

Morgan Stanley Australia Securities Limited	9/21/2018	105.09	Buy	186 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/21/2018	244.20	Buy	407 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/21/2018	641.92	Buy	1,088 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/21/2018	1,323.80	Buy	2,343 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/21/2018	3,745.39	Buy	6,629 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/21/2018	59.59	Buy	101 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/21/2018	292.50	Buy	500 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/21/2018	1,365.39	Buy	2,334 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/21/2018	2,315.94	Buy	4,099 Ordinary Shares
Morgan Stanley & Co. International Plc	9/21/2018	173,671.40	Buy	307,383 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/24/2018	290.96	Buy	489 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/24/2018	892.04	Buy	1,538 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/24/2018	2,378.20	Buy	4,136 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/24/2018	1,091.50	Buy	1,850 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/24/2018	2.24	Buy	4 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/24/2018	205.77	Buy	361 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/24/2018	341.60	Buy	610 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/24/2018	394.29	Buy	674 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/24/2018	937.17	Buy	1,602 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/24/2018	87.00	Buy	150 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/24/2018	56.93	Buy	99 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/24/2018	945.18	Buy	1,602 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/24/2018	2,355.38	Buy	4,061 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/24/2018	626.60	Buy	1,129 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/24/2018	1,726.92	Buy	2,952 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/24/2018	102.03	Buy	179 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/24/2018	213.01	Buy	377 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/25/2018	574.78	Buy	991 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/25/2018	387.44	Buy	668 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/25/2018	595.53	Buy	1,018 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/25/2018	494.76	Buy	868 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/25/2018	418.03	Buy	727 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/25/2018	5,828.25	Buy	10,225 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/26/2018	1,653.70	Buy	2,876 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/26/2018	1,651.44	Buy	2,949 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/26/2018	1,885.34	Buy	3,397 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/26/2018	4,216.24	Buy	7,529 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/26/2018	592.80	Buy	1,040 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/26/2018	314.53	Buy	547 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/26/2018	262.90	Buy	478 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/26/2018	22.04	Buy	38 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/26/2018	2,207.24	Buy	3,977 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/26/2018	1,067.27	Buy	1,923 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/26/2018	211.31	Buy	374 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/27/2018	4,875.43	Buy	8,479 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/27/2018	731.49	Buy	1,318 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/27/2018	2,712.08	Buy	4,676 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/27/2018	1,701.08	Buy	3,065 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/27/2018	45.31	Buy	82 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/27/2018	1,028.30	Buy	1,820 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/27/2018	1,948.22	Buy	3,359 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/27/2018	20.34	Buy	36 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/27/2018	223.47	Buy	382 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/27/2018	120.40	Buy	215 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/27/2018	607.17	Buy	1,094 Ordinary Shares

Morgan Stanley Australia Securities Limited	9/28/2018	702.10	Buy	1,190 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/28/2018	647.01	Buy	1,106 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/28/2018	140.30	Buy	244 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/28/2018	522.58	Buy	901 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/28/2018	781.16	Buy	1,324 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/28/2018	590,000.00	Buy	1,000,000 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/28/2018	553.15	Buy	962 Ordinary Shares
Morgan Stanley Australia Securities Limited	9/28/2018	89.13	Buy	155 Ordinary Shares
Morgan Stanley & Co. International Plc	9/28/2018	7,045.76	Buy	12,040 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/1/2018	276.66	Buy	477 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/1/2018	612.48	Buy	1,056 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/1/2018	295.59	Buy	501 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/1/2018	5,541.71	Buy	9,473 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/1/2018	5,954.13	Buy	10,178 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/1/2018	17,338.92	Buy	29,388 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/1/2018	2,137.01	Buy	3,653 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/1/2018	295.59	Buy	501 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/1/2018	1,730.47	Buy	2,933 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/1/2018	37,811.92	Buy	64,088 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/1/2018	55.20	Buy	96 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/1/2018	1,508.00	Buy	2,600 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/1/2018	4,567.19	Buy	7,741 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/1/2018	278.30	Buy	484 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/1/2018	10,036.49	Buy	17,011 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/1/2018	4,952.46	Buy	8,394 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/1/2018	4.13	Buy	7 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/1/2018	386.10	Buy	660 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/1/2018	10,698.47	Buy	18,133 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/2/2018	234.95	Buy	414 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/2/2018	85.68	Buy	149 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/2/2018	775.77	Buy	1,361 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/2/2018	237.80	Buy	410 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/2/2018	67.20	Buy	120 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/2/2018	118.90	Buy	205 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/2/2018	336.30	Buy	590 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/2/2018	1,947.53	Buy	3,387 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/2/2018	16.39	Buy	29 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/2/2018	2,668.50	Buy	4,723 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/2/2018	15,892.43	Buy	27,639 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/2/2018	525.45	Buy	930 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/2/2018	45.43	Buy	79 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/2/2018	629.63	Buy	1,095 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/2/2018	379.57	Buy	663 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/2/2018	68.70	Buy	120 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/2/2018	301.71	Buy	534 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/2/2018	53.01	Buy	93 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/3/2018	1,111.08	Buy	2,011 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/3/2018	56,126.00	Buy	100,225 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/3/2018	6,388.61	Buy	11,511 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/3/2018	2,602.39	Buy	4,606 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/3/2018	637.28	Buy	1,138 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/3/2018	3,375.51	Buy	6,082 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/3/2018	1,380.29	Buy	2,487 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/3/2018	609.39	Buy	1,098 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/3/2018	10,525.05	Buy	18,465 Ordinary Shares

Morgan Stanley Australia Securities Limited	10/4/2018	571.20	Buy	1,020 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/4/2018	1,792.00	Buy	3,200 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/4/2018	33,109.02	Buy	58,086 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/4/2018	1,232.00	Buy	2,200 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/4/2018	42,317.52	Buy	75,567 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/4/2018	28.25	Buy	50 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/4/2018	824.06	Buy	1,465 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/4/2018	15,012.05	Buy	26,570 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/5/2018	1,114.40	Buy	1,990 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/5/2018	19,637.64	Buy	36,366 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/5/2018	689.97	Buy	1,266 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/5/2018	17,107.55	Buy	31,390 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/5/2018	1,323.12	Buy	2,384 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/5/2018	689.15	Buy	1,253 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/5/2018	4,084.80	Buy	7,360 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/5/2018	6,600.00	Buy	12,000 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/5/2018	4,000.85	Buy	7,341 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/5/2018	1,744.00	Buy	3,200 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/5/2018	2.18	Buy	4 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/5/2018	10.95	Buy	20 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/5/2018	0.55	Buy	1 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/5/2018	28.49	Buy	53 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/5/2018	631.66	Buy	1,159 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/5/2018	2,184.94	Buy	4,084 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/8/2018	488.22	Buy	948 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/8/2018	123.72	Buy	227 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/8/2018	729.21	Buy	1,363 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/8/2018	162.61	Buy	322 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/8/2018	30.81	Buy	61 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/8/2018	1,751.12	Buy	3,304 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/8/2018	40.17	Buy	78 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/8/2018	823.65	Buy	1,615 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/8/2018	802.20	Buy	1,528 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/8/2018	123.72	Buy	227 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/8/2018	849.92	Buy	1,683 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/8/2018	1,015.92	Buy	1,992 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/8/2018	233.82	Buy	431 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/8/2018	935.00	Buy	1,870 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/8/2018	3,068.10	Buy	5,844 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/8/2018	1,298.86	Buy	2,572 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/8/2018	366.66	Buy	679 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/8/2018	218.79	Buy	442 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/8/2018	773.80	Buy	1,460 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/8/2018	319.09	Buy	635 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/8/2018	116.10	Buy	217 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/8/2018	245.43	Buy	486 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/8/2018	174.73	Buy	346 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/8/2018	96.31	Buy	187 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/8/2018	198.85	Buy	388 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/8/2018	294.18	Buy	574 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/8/2018	513.76	Buy	988 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/8/2018	40.59	Buy	82 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/8/2018	189.50	Buy	379 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/8/2018	2,623.50	Buy	5,300 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/8/2018	877.20	Buy	1,632 Ordinary Shares

Morgan Stanley Australia Securities Limited	10/8/2018	59.80	Buy	115 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/8/2018	558.62	Buy	1,054 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/8/2018	251.85	Buy	482 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/8/2018	127.26	Buy	252 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/8/2018	427.19	Buy	863 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/8/2018	33.99	Buy	66 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/8/2018	637.88	Buy	1,215 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/8/2018	2,739.45	Buy	5,218 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/8/2018	173.56	Buy	337 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/8/2018	177.84	Buy	342 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/8/2018	250.28	Buy	479 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/8/2018	1,979.60	Buy	3,920 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/8/2018	46.50	Buy	93 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/8/2018	2,954.00	Buy	5,600 Ordinary Shares
Morgan Stanley & Co. International Plc	10/8/2018	2,926.08	Buy	5,663 Ordinary Shares
Morgan Stanley & Co. International Plc	10/8/2018	19,019.59	Buy	36,519 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/9/2018	227.76	Buy	451 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/9/2018	282.50	Buy	565 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/9/2018	941.83	Buy	1,865 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/9/2018	9.55	Buy	19 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/9/2018	399.96	Buy	792 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/9/2018	262.85	Buy	531 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/9/2018	612.32	Buy	1,237 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/9/2018	58.50	Buy	117 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/10/2018	364.35	Buy	694 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/10/2018	281.00	Buy	562 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/10/2018	858.52	Buy	1,651 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/10/2018	824.72	Buy	1,586 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/10/2018	303.45	Buy	578 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/10/2018	1,196.35	Buy	2,323 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/10/2018	793.36	Buy	1,571 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/10/2018	456.45	Buy	895 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/10/2018	411.50	Buy	823 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/10/2018	655.35	Buy	1,285 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/10/2018	2,484.50	Buy	4,969 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/10/2018	3.09	Buy	6 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/10/2018	1,073.78	Buy	2,085 Ordinary Shares
Morgan Stanley & Co. International Plc	10/11/2018	31,840.47	Buy	63,274 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/12/2018	3,066.03	Buy	6,194 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/12/2018	8,173.44	Buy	16,512 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/12/2018	107.31	Buy	219 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/12/2018	185.63	Buy	375 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/12/2018	19,311.50	Buy	38,623 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/12/2018	3,444.70	Buy	7,030 Ordinary Shares
Morgan Stanley & Co. International Plc	10/12/2018	30,632.26	Buy	61,595 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/15/2018	302.10	Buy	636 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/15/2018	3,862.60	Buy	8,680 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/15/2018	668.67	Buy	1,438 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/15/2018	755.63	Buy	1,625 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/15/2018	334.56	Buy	697 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/15/2018	1,057.50	Buy	2,250 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/15/2018	302.25	Buy	650 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/15/2018	81.40	Buy	176 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/15/2018	450.79	Buy	1,013 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/15/2018	1,249.43	Buy	2,746 Ordinary Shares

Morgan Stanley Australia Securities Limited	10/15/2018	1,006.92	Buy	2,213 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/15/2018	102.90	Buy	210 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/15/2018	3,426.08	Buy	7,448 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/15/2018	71.44	Buy	152 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/15/2018	407.25	Buy	905 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/15/2018	1,183.12	Buy	2,572 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/15/2018	19.32	Buy	42 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/15/2018	120.78	Buy	244 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2018	7,771.29	Buy	17,366 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2018	1,813.90	Buy	4,268 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2018	562.01	Buy	1,307 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2018	8,196.23	Buy	19,061 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2018	288.10	Buy	670 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2018	179.19	Buy	396 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2018	101.47	Buy	223 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2018	206.12	Buy	453 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2018	1,218.08	Buy	2,648 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2018	754.85	Buy	1,659 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2018	37.38	Buy	84 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2018	1,984.74	Buy	4,589 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2018	6,832.55	Buy	15,707 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2018	38.90	Buy	91 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2018	21.75	Buy	50 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2018	3,460.16	Buy	7,864 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2018	399.52	Buy	908 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2018	1,244.67	Buy	2,797 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2018	326.25	Buy	725 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2018	266.48	Buy	627 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2018	58.73	Buy	135 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2018	1,084.95	Buy	2,411 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2018	7,683.48	Buy	18,294 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2018	144.02	Buy	333 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2018	2,023.14	Buy	4,817 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2018	638.78	Buy	1,503 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2018	2,552.00	Buy	5,800 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2018	1,544.40	Buy	3,432 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2018	195.75	Buy	435 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2018	6,746.20	Buy	15,160 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2018	186.01	Buy	418 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2018	86.45	Buy	190 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2018	7,095.00	Buy	16,500 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2018	2,033.92	Buy	4,814 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2018	9,029.48	Buy	19,845 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2018	711.23	Buy	1,635 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2018	2,380.00	Buy	5,600 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2018	8,011.68	Buy	18,851 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2018	7,091.13	Buy	15,671 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2018	28,116.90	Buy	62,482 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/16/2018	915.60	Buy	2,180 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/17/2018	562.04	Buy	1,263 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/17/2018	2,525.71	Buy	5,551 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/17/2018	1,807.34	Buy	3,929 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/17/2018	482.08	Buy	1,048 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/17/2018	92.25	Buy	205 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/17/2018	1,393.14	Buy	2,996 Ordinary Shares

Morgan Stanley Australia Securities Limited	10/17/2018	1,870.20	Buy	4,156 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/17/2018	1,393.34	Buy	3,029 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/17/2018	1,368.50	Buy	2,943 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/17/2018	1,418.24	Buy	3,117 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/17/2018	989.68	Buy	2,224 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/17/2018	1,003.03	Buy	2,254 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/17/2018	350.35	Buy	770 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/17/2018	1,298.70	Buy	2,886 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/17/2018	1,037.30	Buy	2,255 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/18/2018	239.40	Buy	504 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/18/2018	154.38	Buy	325 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/19/2018	153.43	Buy	323 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/19/2018	118.75	Buy	250 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/19/2018	154.38	Buy	325 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/19/2018	2,007.87	Buy	4,318 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/19/2018	792.89	Buy	1,687 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/19/2018	2,182.71	Buy	4,694 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/19/2018	340.40	Buy	740 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/19/2018	4,286.84	Buy	9,219 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/19/2018	3,284.83	Buy	6,989 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/19/2018	522.64	Buy	1,112 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/19/2018	521.64	Buy	1,134 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/19/2018	7.52	Buy	16 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/19/2018	3.76	Buy	8 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/19/2018	43.48	Buy	93 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/22/2018	494.22	Buy	1,019 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/22/2018	266.00	Buy	560 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/22/2018	624.96	Buy	1,302 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/23/2018	726.18	Buy	1,482 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/24/2018	1,656.28	Buy	3,524 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/24/2018	3,055.78	Buy	6,716 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/24/2018	620.17	Buy	1,363 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/24/2018	2,637.18	Buy	5,733 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/24/2018	290.25	Buy	645 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/24/2018	2,890.80	Buy	6,424 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/25/2018	242.25	Buy	570 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/25/2018	97.33	Buy	229 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/26/2018	2,875.59	Buy	6,462 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/26/2018	713.80	Buy	1,660 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/26/2018	4,772.82	Buy	10,972 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/26/2018	1,314.57	Buy	3,022 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/26/2018	1,599.84	Buy	3,636 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/26/2018	126.45	Buy	281 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/26/2018	2,406.80	Buy	5,470 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/26/2018	798.08	Buy	1,856 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/29/2018	1,207.85	Buy	2,842 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/29/2018	12,822.50	Buy	29,477 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/29/2018	2,000.13	Buy	4,598 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/29/2018	77.40	Buy	172 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/29/2018	4.30	Buy	10 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/29/2018	839.16	Buy	1,998 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/29/2018	8,350.60	Buy	19,420 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/30/2018	1,351.68	Buy	3,072 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/30/2018	87.36	Buy	208 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/30/2018	1,023.50	Buy	2,300 Ordinary Shares

Morgan Stanley Australia Securities Limited	10/30/2018	8,771.85	Buy	19,493 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/30/2018	3,812.32	Buy	8,567 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/30/2018	1,008.32	Buy	2,192 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/30/2018	457.24	Buy	994 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/30/2018	351.11	Buy	789 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/30/2018	7,846.96	Buy	17,834 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/30/2018	6.37	Buy	14 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/30/2018	80.99	Buy	178 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/30/2018	6,480.11	Buy	14,242 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/30/2018	743.75	Buy	1,750 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/30/2018	751.05	Buy	1,669 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/30/2018	162.96	Buy	388 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/30/2018	2,389.89	Buy	5,494 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/30/2018	2,730.95	Buy	5,873 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/30/2018	2,246.78	Buy	5,165 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/30/2018	1,699.88	Buy	3,736 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/30/2018	6,385.31	Buy	14,349 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/30/2018	210.65	Buy	453 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/30/2018	178.36	Buy	392 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/30/2018	1,395,000.00	Buy	3,000,000 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/31/2018	223.26	Buy	488 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/31/2018	1,031.94	Buy	2,268 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/31/2018	604.50	Buy	1,300 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/31/2018	1.37	Buy	3 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/31/2018	490.39	Buy	1,102 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/31/2018	6,056.36	Buy	13,166 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/31/2018	467.28	Buy	1,056 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/31/2018	324.72	Buy	738 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/31/2018	1,601.40	Buy	3,539 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/31/2018	1,660.30	Buy	3,649 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/31/2018	1,942.65	Buy	4,317 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/31/2018	349.65	Buy	777 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/31/2018	1,182.96	Buy	2,544 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/31/2018	144.76	Buy	329 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/31/2018	793.76	Buy	1,707 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/31/2018	107.88	Buy	232 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/31/2018	616.63	Buy	1,319 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/31/2018	546.21	Buy	1,181 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/31/2018	1,129.86	Buy	2,539 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/31/2018	502.99	Buy	1,124 Ordinary Shares
Morgan Stanley Australia Securities Limited	10/31/2018	1,429.69	Buy	3,125 Ordinary Shares
Morgan Stanley & Co. International Plc	10/31/2018	1.37	Buy	3 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/1/2018	295.16	Buy	628 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/1/2018	1,007.83	Buy	2,078 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/1/2018	1,331.90	Buy	2,804 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/1/2018	7,809.60	Buy	16,270 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/1/2018	305.97	Buy	651 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/1/2018	3,269.87	Buy	6,742 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/1/2018	1,898.10	Buy	3,996 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/1/2018	9.60	Buy	20 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/1/2018	457.66	Buy	934 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/1/2018	2,188.79	Buy	4,657 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/1/2018	26.68	Buy	55 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/1/2018	737.28	Buy	1,536 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/1/2018	563.57	Buy	1,162 Ordinary Shares

Morgan Stanley Australia Securities Limited	11/1/2018	2,938.56	Buy	6,122 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/1/2018	932.47	Buy	1,903 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/2/2018	780.73	Buy	1,670 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/2/2018	1,026.03	Buy	2,255 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/2/2018	1,093.88	Buy	2,391 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/2/2018	269.01	Buy	588 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/2/2018	1,277.82	Buy	2,748 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/2/2018	422.53	Buy	899 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/2/2018	2,412.24	Buy	5,244 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/2/2018	1,817.02	Buy	3,866 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/2/2018	1,041.20	Buy	2,192 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/2/2018	1,316.47	Buy	2,801 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/2/2018	128.81	Buy	277 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/2/2018	284.74	Buy	619 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/2/2018	1,196.46	Buy	2,601 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/2/2018	225.15	Buy	474 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/2/2018	2,898.00	Buy	6,300 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/2/2018	624.50	Buy	1,343 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/2/2018	161.88	Buy	350 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/2/2018	704.80	Buy	1,549 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/2/2018	121.92	Buy	254 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/2/2018	523.11	Buy	1,113 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/2/2018	528.96	Buy	1,102 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/2/2018	4,301.60	Buy	9,056 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/2/2018	1,289.73	Buy	2,701 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/2/2018	412.25	Buy	850 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/5/2018	1,774.13	Buy	3,735 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/5/2018	6,204.48	Buy	12,926 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/5/2018	3,856.53	Buy	8,119 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/5/2018	568.80	Buy	1,185 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/5/2018	1,145.76	Buy	2,387 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/5/2018	6,699.40	Buy	14,104 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/5/2018	83.70	Buy	180 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/5/2018	342.48	Buy	721 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/5/2018	850.95	Buy	1,830 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/5/2018	2,510.70	Buy	5,258 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/5/2018	2,014.42	Buy	4,286 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/5/2018	260.85	Buy	555 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/5/2018	57.81	Buy	123 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/5/2018	378.98	Buy	815 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/5/2018	2,970.65	Buy	6,254 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/5/2018	463.60	Buy	976 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/5/2018	709.13	Buy	1,525 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/5/2018	525.93	Buy	1,119 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/5/2018	169.16	Buy	358 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/6/2018	1,136.36	Buy	2,457 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/6/2018	407.56	Buy	886 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/6/2018	66.98	Buy	141 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/6/2018	360.53	Buy	759 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/6/2018	1,242.00	Buy	2,700 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/6/2018	347.33	Buy	739 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/6/2018	128.81	Buy	277 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/6/2018	535.08	Buy	1,176 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/6/2018	120.18	Buy	253 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/6/2018	279.81	Buy	605 Ordinary Shares

Morgan Stanley Australia Securities Limited	11/6/2018	1,701.90	Buy	3,660 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/6/2018	216.20	Buy	470 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/6/2018	45.54	Buy	99 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/6/2018	89.24	Buy	194 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/6/2018	1,329.40	Buy	2,890 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/6/2018	237.44	Buy	519 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/6/2018	261.31	Buy	565 Ordinary Shares
Morgan Stanley & Co. International Plc	11/7/2018	N/A	Collateral Received	1 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/7/2018	364.32	Buy	792 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/7/2018	157.92	Buy	336 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/7/2018	4,967.13	Buy	10,682 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/7/2018	25,593.60	Buy	55,040 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/7/2018	21,250.58	Buy	45,214 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/7/2018	280.97	Buy	601 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/7/2018	124.45	Buy	262 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/7/2018	124.45	Buy	262 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/7/2018	42.77	Buy	91 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/7/2018	61.18	Buy	133 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/7/2018	130.67	Buy	281 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/7/2018	51.15	Buy	110 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/7/2018	11,458.60	Buy	24,380 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/7/2018	338.40	Buy	720 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/7/2018	1,285.35	Buy	2,706 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/7/2018	60.78	Buy	130 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/7/2018	119.51	Buy	257 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/7/2018	2,887.21	Buy	6,143 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/7/2018	99.05	Buy	213 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/7/2018	89.75	Buy	193 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/7/2018	181.42	Buy	386 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/7/2018	114.21	Buy	243 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/7/2018	2,615.16	Buy	5,624 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/7/2018	555.54	Buy	1,182 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/7/2018	37.26	Buy	81 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/7/2018	8,614.13	Buy	18,525 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/8/2018	933.72	Buy	2,008 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/8/2018	477.02	Buy	1,037 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/8/2018	1,157.53	Buy	2,476 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/8/2018	1,192.32	Buy	2,592 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/8/2018	709.70	Buy	1,510 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/8/2018	2,616.09	Buy	5,626 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/8/2018	912.51	Buy	1,973 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/8/2018	596.16	Buy	1,289 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/8/2018	377.15	Buy	794 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/8/2018	49.60	Buy	109 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/8/2018	307.56	Buy	665 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/8/2018	221.60	Buy	474 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/8/2018	230.00	Buy	500 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/8/2018	265.07	Buy	567 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/8/2018	207.46	Buy	451 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/8/2018	119.85	Buy	255 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/8/2018	119.85	Buy	255 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/8/2018	571.29	Buy	1,222 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/8/2018	27.14	Buy	59 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/8/2018	1,365.00	Buy	3,000 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/8/2018	726.80	Buy	1,563 Ordinary Shares

Morgan Stanley Australia Securities Limited	11/8/2018	43.25	Buy	93 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/8/2018	2,185.50	Buy	4,700 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/8/2018	29.93	Buy	63 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/8/2018	276.92	Buy	602 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/8/2018	24.84	Buy	54 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/8/2018	971.43	Buy	2,135 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/8/2018	176.25	Buy	375 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/8/2018	248.83	Buy	538 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/8/2018	21.16	Buy	46 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/8/2018	585.13	Buy	1,286 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/8/2018	309.23	Buy	651 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/9/2018	2,713.08	Buy	5,898 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/9/2018	1,777.69	Buy	3,907 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/9/2018	58.70	Buy	129 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/9/2018	237.44	Buy	519 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/9/2018	41.40	Buy	90 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/9/2018	243.66	Buy	524 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/9/2018	2,394.76	Buy	5,206 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/9/2018	260.87	Buy	561 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/9/2018	157.32	Buy	342 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/9/2018	1,820.00	Buy	4,000 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/9/2018	69.16	Buy	152 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/12/2018	97.75	Buy	226 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/12/2018	1,834.83	Buy	4,218 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/12/2018	1,782.00	Buy	4,050 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/12/2018	1,023.50	Buy	2,300 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/12/2018	0.45	Buy	1 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/12/2018	73.08	Buy	168 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/12/2018	1,240.19	Buy	2,851 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/12/2018	240.28	Buy	543 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/12/2018	12.88	Buy	28 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/12/2018	201.55	Buy	466 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/12/2018	45.84	Buy	103 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/12/2018	7.82	Buy	17 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/12/2018	16.10	Buy	35 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/12/2018	311.96	Buy	709 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/12/2018	61.88	Buy	136 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/12/2018	566.93	Buy	1,274 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/12/2018	713.78	Buy	1,604 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/12/2018	16.10	Buy	35 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/12/2018	292.95	Buy	630 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/12/2018	111.32	Buy	242 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/12/2018	113.97	Buy	262 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/12/2018	1,099.12	Buy	2,498 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/13/2018	370.23	Buy	861 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/13/2018	637.26	Buy	1,482 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/13/2018	1,365.47	Buy	3,139 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/13/2018	10,376.49	Buy	23,854 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/13/2018	661.20	Buy	1,520 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/13/2018	3,277.56	Buy	7,449 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/14/2018	899.73	Buy	2,117 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/14/2018	2,429.79	Buy	5,618 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/14/2018	589.88	Buy	1,430 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/14/2018	308.74	Buy	718 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/14/2018	601.57	Buy	1,399 Ordinary Shares

Morgan Stanley Australia Securities Limited	11/14/2018	4,987.06	Buy	12,017 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/14/2018	0.41	Buy	1 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/14/2018	5.16	Buy	12 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/14/2018	3,719.93	Buy	8,651 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/14/2018	2,365.50	Buy	5,700 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/14/2018	1,248.63	Buy	2,887 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/14/2018	70.14	Buy	166 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/14/2018	935.76	Buy	2,228 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/14/2018	1,640.93	Buy	3,861 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/14/2018	2,781.49	Buy	6,743 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/14/2018	779.89	Buy	1,868 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/14/2018	1,547.62	Buy	3,663 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/14/2018	403.75	Buy	950 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/14/2018	1,237.19	Buy	2,894 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/14/2018	1,304.73	Buy	3,052 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/14/2018	315.42	Buy	751 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/14/2018	1,458.60	Buy	3,536 Ordinary Shares
Morgan Stanley & Co. International Plc	11/14/2018	0.41	Buy	1 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/15/2018	2,690.42	Buy	6,562 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/16/2018	22,090.80	Buy	53,880 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/16/2018	1,504.79	Buy	3,626 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/16/2018	14,876.85	Buy	36,285 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/16/2018	86.51	Buy	211 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/16/2018	2,304.64	Buy	5,587 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/16/2018	786.38	Buy	1,918 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/16/2018	707.83	Buy	1,737 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/19/2018	2,751.17	Buy	6,793 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/19/2018	2,493.74	Buy	6,009 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/19/2018	2,463.69	Buy	6,009 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/19/2018	1,516.80	Buy	3,840 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/19/2018	3,584.70	Buy	9,133 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/19/2018	2,317.70	Buy	6,020 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/19/2018	4,809.04	Buy	12,491 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/19/2018	2,294.76	Buy	5,884 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/20/2018	574.86	Buy	1,474 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/20/2018	3,402.14	Buy	8,613 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/20/2018	1,141.55	Buy	2,890 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/20/2018	3,573.20	Buy	8,933 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/20/2018	194.78	Buy	490 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/20/2018	136.00	Buy	340 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/20/2018	60.00	Buy	150 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/20/2018	268.93	Buy	694 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/20/2018	21,680.80	Buy	54,202 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/20/2018	124.02	Buy	318 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/20/2018	12,351.26	Buy	31,269 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/20/2018	4,365.15	Buy	11,051 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/20/2018	3,714.98	Buy	9,405 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/20/2018	5,446.55	Buy	13,702 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/20/2018	3.95	Buy	10 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/20/2018	201.85	Buy	511 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/20/2018	1,176.24	Buy	3,016 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/20/2018	10,386.13	Buy	26,294 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/20/2018	3,758.04	Buy	9,636 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/20/2018	6,232.98	Buy	15,982 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/20/2018	9,673.60	Buy	24,184 Ordinary Shares

Morgan Stanley Australia Securities Limited	11/20/2018	595.66	Buy	1,508 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/21/2018	4,085.95	Buy	10,969 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/21/2018	5,125.50	Buy	13,668 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/21/2018	6,358.92	Buy	16,734 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/21/2018	9,012.84	Buy	23,718 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/21/2018	2,915.56	Buy	7,827 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/21/2018	2,209.64	Buy	5,972 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/21/2018	883.73	Buy	2,341 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/21/2018	940.12	Buy	2,474 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/21/2018	1,120.08	Buy	2,872 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/21/2018	2,392.43	Buy	6,510 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/21/2018	7,306.76	Buy	19,748 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/21/2018	1,762.53	Buy	4,796 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/21/2018	2,122.50	Buy	5,660 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/21/2018	14,224.65	Buy	38,445 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/21/2018	3,407.25	Buy	9,086 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/22/2018	243.74	Buy	621 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/22/2018	9,172.02	Buy	23,518 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/22/2018	1,625.09	Buy	4,221 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/22/2018	229.61	Buy	585 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/22/2018	1,230.44	Buy	3,238 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/22/2018	144.78	Buy	381 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/22/2018	1,163.37	Buy	2,983 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/22/2018	2,419.84	Buy	6,368 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/22/2018	6,614.66	Buy	17,407 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/22/2018	14,750.84	Buy	38,818 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/22/2018	7,018.94	Buy	18,231 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/22/2018	2,670.99	Buy	6,762 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/22/2018	1,924.65	Buy	4,935 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/22/2018	5,333.30	Buy	14,035 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/22/2018	5,645.25	Buy	14,475 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/22/2018	1,597.88	Buy	4,261 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/22/2018	8,358.35	Buy	21,710 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/22/2018	34,593.00	Buy	88,700 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/22/2018	8,206.66	Buy	21,316 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/22/2018	3,420,000.00	Buy	9,000,000 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/22/2018	5,753.27	Buy	14,658 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/22/2018	284.70	Buy	730 Ordinary Shares
Morgan Stanley Australia Securities Limited	11/22/2018	95,001.64	Buy	246,511 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. LLC	Is a body corporate controlled by each upstream entity as listed in Annexure A
Morgan Stanley & Co. International plc	Is a body corporate controlled by each upstream entity as listed in Annexure A

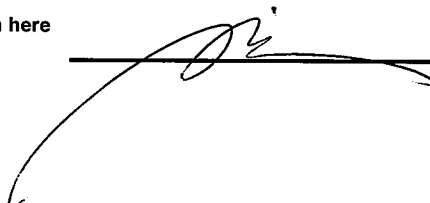
Morgan Stanley Australia Securities Limited	Is a body corporate controlled by each upstream entity as listed in Annexure A
---------------------------------------------	--------------------------------------------------------------------------------

7. Addresses

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

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

Signature

print name	Annie Gong	capacity	Executive Director
sign here		date	November 27, 2018

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
<ul style="list-style-type: none"> └─ Morgan Stanley └─ Morgan Stanley International Holdings Inc. <ul style="list-style-type: none"> └─ Morgan Stanley International Limited └─ Morgan Stanley Investments (UK) └─ Morgan Stanley & Co. International plc └─ Morgan Stanley International Incorporated <ul style="list-style-type: none"> └─ Morgan Stanley (Australia) Securities Holdings Pty Limited └─ Morgan Stanley Australia Securities Limited └─ Morgan Stanley Capital Management, LLC <ul style="list-style-type: none"> └─ Morgan Stanley Domestic Holdings, Inc. └─ Morgan Stanley & Co. LLC

Signature

print name	Annie Gong	capacity	Executive Director
sign here		date	November 27, 2018

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.

Annexure B

This is Annexure B referred to in the Form 603: Notice of becoming a substantial holder issued by Morgan Stanley and its subsidiaries. The following is description of the securities lending agreements referenced in the accompanying Form 603.

Schedule	
Type of Agreement	Global Master Securities Lending Agreement
Parties to agreement	Morgan Stanley & Co. International plc and JPMORGAN CHASE BANK, N.A.
Transfer Date	20181121; 20181122;
Holder of Voting Rights	Borrower
Are there any restrictions on voting rights?	Yes/No
If yes, detail	Not applicable
Scheduled Return Date (if any)	Open
Does the borrower have the right to return early?	Yes/No
If yes, detail	The Borrower is entitled at any time to terminate a Loan and to redeliver all and any Equivalent Securities due and outstanding to the Lender in accordance with the Lender's instructions.
Does the lender have the right to recall early?	Yes/No
If yes, detail	The Lender is entitled to terminate a Loan and to call for the redelivery of all or any Equivalent Securities at any time by giving notice on any Business Day of not less than the standard settlement time for such Equivalent Securities on the exchange or in the clearing organisation through which the Loaned Securities were originally delivered.
Will the securities be returned on settlement?	Yes/No
If yes, detail any exceptions	If the Borrower does not redeliver Equivalent Securities in accordance with the Agreement, the Lender may by written notice to Borrower terminate the Loan forthwith and the Parties' delivery and payment obligations in respect thereof.

Schedule	
Type of Agreement	Global Master Securities Lending Agreement
Parties to agreement	Morgan Stanley & Co. International plc and SPECIFIED MONEY TRUST FUND NO.400076161 FOR TOKYO ELECTRON LIMITED ENTRUSTED TO THE MASTER TRUST BANK OF JAPAN, LTD.
Transfer Date	20181121; 20181122;
Holder of Voting Rights	Borrower
Are there any restrictions on voting rights?	Yes/No
If yes, detail	Not applicable
Scheduled Return Date (if any)	Open
Does the borrower have the right to return early?	Yes/No
If yes, detail	The Borrower is entitled at any time to terminate a Loan and to redeliver all and any Equivalent Securities due and outstanding to the Lender in accordance with the Lender's instructions.
Does the lender have the right to recall early?	Yes/No
If yes, detail	The Lender is entitled to terminate a Loan and to call for the redelivery of all or any Equivalent Securities at any time by giving notice on any Business Day of not less than the standard settlement time for such Equivalent Securities on the exchange or in the clearing organisation through which the Loaned Securities were originally delivered.
Will the securities be returned on settlement?	Yes/No
If yes, detail any exceptions	If the Borrower does not redeliver Equivalent Securities in accordance with the Agreement, the Lender may by written notice to Borrower terminate the Loan forthwith and the Parties' delivery and payment obligations in respect thereof.

Schedule	
Type of Agreement	International Prime Brokerage Agreement
Parties to agreement	Morgan Stanley & Co. International plc for itself and as agent and trustee for and on behalf of the other Morgan Stanley Companies and OXAM QUANT FUND LIMITED
Transfer Date	20180110; 20180116; 20180117; 20180131; 20180202; 20180205; 20180302; 20180320; 20180321; 20180322; 20180326; 20180327; 20180417; 20180418; 20180419; 20180423; 20180524; 20180619; 20180620; 20180629; 20180702; 20180831;
Holder of Voting Rights	If prime broker has settled a short sale for the client, voting rights will pass to the purchaser of the securities.
Are there any restrictions on voting rights?	Yes/No
If yes, detail	Not applicable
Scheduled Return Date (if any)	Open

Does the borrower have the right to return early?	Yes/No
If yes, detail At any time the client may return to the prime broker shares which the client previously sold short.	
Does the lender have the right to recall early?	Yes/No
If yes, detail The prime broker may require the client to return shares delivered on behalf of the client at any time.	
Will the securities be returned on settlement?	Yes/No
If yes, detail any exceptions Upon an Event of Default, the default market value of all Equivalent Securities to be delivered will be determined and on the basis of the amounts so established, an account shall be taken of what is due from each party to the other. The amounts due from one party shall be set off against the amounts due from the other party and only the balance of the account shall be payable.	

Schedule	
Type of Agreement	International Prime Brokerage Agreement
Parties to agreement	Morgan Stanley & Co. International plc for itself and as agent and trustee for and on behalf of the other Morgan Stanley Companies and METRICA ASIA EVENT DRIVEN MASTER FUND
Transfer Date	20171102; 20171107; 20171110; 20171122; 20171208; 20180109; 20180115; 20180205; 20180228; 20180518; 20180531; 20180821; 20181120;
Holder of Voting Rights	If prime broker has settled a short sale for the client, voting rights will pass to the purchaser of the securities.
Are there any restrictions on voting rights?	Yes/No
If yes, detail Not applicable	
Scheduled Return Date (if any)	Open
Does the borrower have the right to return early?	Yes/No
If yes, detail At any time the client may return to the prime broker shares which the client previously sold short.	
Does the lender have the right to recall early?	Yes/No
If yes, detail The prime broker may require the client to return shares delivered on behalf of the client at any time.	
Will the securities be returned on settlement?	Yes/No
If yes, detail any exceptions Upon an Event of Default, the default market value of all Equivalent Securities to be delivered will be determined and on the basis of the amounts so established, an account shall be taken of what is due from each party to the other. The amounts due from one party shall be set off against the amounts due from the other party and only the balance of the account shall be payable.	

Schedule	
Type of Agreement	Global Master Securities Lending Agreement
Parties to agreement	Morgan Stanley & Co. International plc and CITIBANK NA
Transfer Date	20181121; 20181122;
Holder of Voting Rights	Borrower
Are there any restrictions on voting rights?	Yes/No
If yes, detail Not applicable	
Scheduled Return Date (if any)	Open
Does the borrower have the right to return early?	Yes/No
If yes, detail The Borrower is entitled at any time to terminate a Loan and to redeliver all and any Equivalent Securities due and outstanding to the Lender in accordance with the Lender's instructions.	
Does the lender have the right to recall early?	Yes/No
If yes, detail The Lender is entitled to terminate a Loan and to call for the redelivery of all or any Equivalent Securities at any time by giving notice on any Business Day of not less than the standard settlement time for such Equivalent Securities on the exchange or in the clearing organisation through which the Loaned Securities were originally delivered.	
Will the securities be returned on settlement?	Yes/No
If yes, detail any exceptions If the Borrower does not redeliver Equivalent Securities in accordance with the Agreement, the Lender may by written notice to Borrower terminate the Loan forthwith and the Parties' delivery and payment obligations in respect thereof.	

Schedule	
Type of Agreement	Global Master Securities Lending Agreement
Parties to agreement	Morgan Stanley & Co. International plc and SPECIFIED MONEY TRUST FUND NO.400076167 FOR TREND MICRO INCORPORATED ENTRUSTED TO THE MASTER TRUST BANK OF JAPAN, LTD.
Transfer Date	20181122;

Holder of Voting Rights	Borrower
Are there any restrictions on voting rights?	Yes/No
If yes, detail Not applicable	
Scheduled Return Date (if any)	Open
Does the borrower have the right to return early?	Yes/No
If yes, detail The Borrower is entitled at any time to terminate a Loan and to redeliver all and any Equivalent Securities due and outstanding to the Lender in accordance with the Lender's instructions.	
Does the lender have the right to recall early?	Yes/No
If yes, detail The Lender is entitled to terminate a Loan and to call for the redelivery of all or any Equivalent Securities at any time by giving notice on any Business Day of not less than the standard settlement time for such Equivalent Securities on the exchange or in the clearing organisation through which the Loaned Securities were originally delivered.	
Will the securities be returned on settlement?	Yes/No
If yes, detail any exceptions If the Borrower does not redeliver Equivalent Securities in accordance with the Agreement, the Lender may by written notice to Borrower terminate the Loan forthwith and the Parties' delivery and payment obligations in respect thereof.	

Schedule	
Type of Agreement	Customer Prime Broker Account Agreement
Parties to agreement	Morgan Stanley & Co. LLC on behalf of all Morgan Stanley entities and customer MACKENZIE EMERGING MARKETS LONG/SHORT MASTER FUND (CAYMAN) LP
Transfer Date	20180719; 20180723; 20180822; 20180925;
Holder of Voting Rights	Shares are used to settle customer's short sales. Voting rights are held by third party purchaser.
Are there any restrictions on voting rights?	No
If yes, detail Not applicable	
Scheduled Return Date (if any)	Open
Does the borrower have the right to return early?	Yes
If yes, detail The borrower may return shares to the lender at any time.	
Does the lender have the right to recall early?	Yes
If yes, detail The lender may recall shares from the borrower at any time.	
Will the securities be returned on settlement?	Yes
If yes, detail any exceptions In the ordinary course of business, customer will return the securities to the prime broker. Upon a customer Event of Default, Morgan Stanley has the right to set off obligations owed to the customer against obligations of the customer to Morgan Stanley and to foreclose on any collateral for the purpose of arriving at a single closeout amount. In such a default scenario, the shares may not be returned to the prime broker.	

Schedule	
Type of Agreement	Customer Prime Broker Account Agreement
Parties to agreement	Morgan Stanley & Co. LLC on behalf of all Morgan Stanley entities and customer GEODE DIVERSIFIED FUND, A SEGREGATED ACCOUNT OF GEODE CAPITAL MASTER FUND LTD.
Transfer Date	20170102; 20170109; 20170110; 20170112; 20170113; 20170124; 20170125; 20170131; 20170202; 20170203; 20170207; 20170302; 20170307; 20170308; 20170309; 20170313; 20170314; 20170315; 20170403; 20170405; 20170407; 20170410; 20170411; 20170412; 20170413; 20170418; 20170427; 20170501; 20170502; 20170503; 20170505; 20170508; 20170509; 20170511; 20170512; 20170515; 20170516; 20170517; 20170518; 20170519; 20170522; 20170525; 20170529; 20170531; 20170602; 20170605; 20170613; 20170614; 20170619; 20170620; 20170623; 20170626; 20170627; 20170628; 20170726; 20170727; 20170728; 20170731; 20170801; 20170802; 20170803; 20170804; 20170807; 20170808; 20170809; 20170810; 20170814; 20170815; 20170816; 20170817; 20170821; 20170822; 20170823; 20170824; 20170901; 20170904; 20170911; 20170912; 20170913; 20170914; 20170915; 20170919; 20170920; 20170921; 20170922; 20170925; 20170926; 20170927; 20170928; 20170929; 20171004; 20171005; 20171006; 20171009; 20171010; 20171011; 20171012; 20171013; 20171016; 20171017; 20171018; 20171020; 20171023; 20171114; 20171116; 20171117; 20171124; 20171129; 20171201; 20171204; 20171205; 20171213; 20171214; 20171219;

	20171222; 20180105; 20180108; 20180110; 20180111; 20180206; 20180207; 20180219; 20180226; 20180227; 20180228; 20180301; 20180302; 20180305; 20180306; 20180307; 20180308; 20180321; 20180403; 20180405; 20180406; 20180410; 20180413; 20180417; 20180420; 20180427; 20180430; 20180509; 20180510; 20180517; 20180518; 20180521; 20180523; 20180524; 20180528; 20180622; 20180703; 20180713; 20180719; 20180720; 20180723; 20180724; 20180726; 20180727; 20180730; 20180801; 20180808; 20180809; 20180813; 20180814; 20180817; 20180821; 20180822; 20180824; 20180827; 20180828; 20180910; 20180914; 20180920; 20180925; 20180928; 20181004; 20181005; 20181009; 20181010; 20181018; 20181019; 20181022; 20181024; 20181026; 20181102; 20181105; 20181115;
Holder of Voting Rights	Shares are used to settle customer's short sales. Voting rights are held by third party purchaser.
Are there any restrictions on voting rights?	No
If yes, detail Not applicable	
Scheduled Return Date (if any)	Open
Does the borrower have the right to return early?	Yes
If yes, detail The borrower may return shares to the lender at any time.	
Does the lender have the right to recall early?	Yes
If yes, detail The lender may recall shares from the borrower at any time.	
Will the securities be returned on settlement?	Yes
If yes, detail any exceptions	In the ordinary course of business, customer will return the securities to the prime broker. Upon a customer Event of Default, Morgan Stanley has the right to set off obligations owed to the customer against obligations of the customer to Morgan Stanley and to foreclose on any collateral for the purpose of arriving at a single closeout amount. In such a default scenario, the shares may not be returned to the prime broker.

Schedule	
Type of Agreement	Customer Prime Broker Account Agreement
Parties to agreement	Morgan Stanley & Co. LLC on behalf of all Morgan Stanley entities and customer GEODE GLOBAL DYNAMIC MARKET NEUTRAL FUND, A SEGREGATED ACCOUNT OF GEODE CAPITAL MASTER FUND LTD.
Transfer Date	20170102; 20170109; 20170110; 20170112; 20170113; 20170124; 20170125; 20170131; 20170202; 20170203; 20170207; 20170302; 20170307; 20170308; 20170309; 20170313; 20170314; 20170315; 20170403; 20170405; 20170407; 20170410; 20170411; 20170412; 20170413; 20170418; 20170427; 20170501; 20170502; 20170503; 20170505; 20170508; 20170509; 20170511; 20170512; 20170515; 20170516; 20170517; 20170518; 20170519; 20170522; 20170525; 20170529; 20170531; 20170602; 20170605; 20170613; 20170614; 20170619; 20170620; 20170623; 20170626; 20170627; 20170628; 20170726; 20170727; 20170728; 20170731; 20170801; 20170802; 20170803; 20170804; 20170807; 20170808; 20170809; 20170810; 20170814; 20170815; 20170816; 20170817; 20170821; 20170822; 20170823; 20170824; 20170901; 20170904; 20170911; 20170912; 20170913; 20170914; 20170915; 20170919; 20170920; 20170921; 20170922; 20170925; 20170926; 20170927; 20170928; 20170929; 20171004; 20171005; 20171006; 20171009; 20171010; 20171011; 20171012; 20171013; 20171016; 20171017; 20171018; 20171020; 20171023; 20171114; 20171116; 20171117; 20171124; 20171129; 20171201; 20171204; 20171205; 20171213; 20171214; 20171219; 20171222; 20180105; 20180108; 20180110; 20180111; 20180206; 20180207; 20180219; 20180226; 20180227; 20180228; 20180301; 20180302; 20180305; 20180306; 20180307; 20180308; 20180321; 20180403; 20180405; 20180406; 20180410; 20180413; 20180417; 20180420; 20180427; 20180430; 20180509; 20180510; 20180517; 20180518; 20180521; 20180523; 20180524; 20180528; 20180622; 20180703; 20180713; 20180719; 20180720; 20180723; 20180724; 20180726; 20180727; 20180730; 20180801; 20180808; 20180809; 20180813; 20180814; 20180817; 20180821; 20180822; 20180824; 20180827; 20180828; 20180910; 20180914; 20180920; 20180925; 20180928; 20181004; 20181005; 20181009; 20181010; 20181018;

	20181019; 20181022; 20181024; 20181026; 20181102; 20181105; 20181115;
Holder of Voting Rights	Shares are used to settle customer's short sales. Voting rights are held by third party purchaser.
Are there any restrictions on voting rights?	No
If yes, detail	Not applicable
Scheduled Return Date (if any)	Open
Does the borrower have the right to return early?	Yes
If yes, detail	The borrower may return shares to the lender at any time.
Does the lender have the right to recall early?	Yes
If yes, detail	The lender may recall shares from the borrower at any time.
Will the securities be returned on settlement?	Yes
If yes, detail any exceptions	In the ordinary course of business, customer will return the securities to the prime broker. Upon a customer Event of Default, Morgan Stanley has the right to set off obligations owed to the customer against obligations of the customer to Morgan Stanley and to foreclose on any collateral for the purpose of arriving at a single closeout amount. In such a default scenario, the shares may not be returned to the prime broker.

Schedule	
Type of Agreement	Customer Prime Broker Account Agreement
Parties to agreement	Morgan Stanley & Co. LLC on behalf of all Morgan Stanley entities and customer AJO EMERGING MARKETS MASTER HEDGE FUND, LT
Transfer Date	20180226; 20180227; 20180302; 20180305; 20180406; 20180410; 20180413; 20180420; 20180430; 20180622; 20180703; 20180713; 20180720; 20180724; 20180727; 20180730; 20180814; 20180817; 20180821; 20180824; 20180910; 20180914; 20180928; 20181019; 20181026; 20181102; 20181105;
Holder of Voting Rights	Shares are used to settle customer's short sales. Voting rights are held by third party purchaser.
Are there any restrictions on voting rights?	No
If yes, detail	Not applicable
Scheduled Return Date (if any)	Open
Does the borrower have the right to return early?	Yes
If yes, detail	The borrower may return shares to the lender at any time.
Does the lender have the right to recall early?	Yes
If yes, detail	The lender may recall shares from the borrower at any time.
Will the securities be returned on settlement?	Yes
If yes, detail any exceptions	In the ordinary course of business, customer will return the securities to the prime broker. Upon a customer Event of Default, Morgan Stanley has the right to set off obligations owed to the customer against obligations of the customer to Morgan Stanley and to foreclose on any collateral for the purpose of arriving at a single closeout amount. In such a default scenario, the shares may not be returned to the prime broker.

Schedule	
Type of Agreement	Customer Prime Broker Account Agreement
Parties to agreement	Morgan Stanley & Co. LLC on behalf of all Morgan Stanley entities and customer AJO EMERGING MARKETS SHORT-ENABLED FUND, L.P.
Transfer Date	20180226; 20180227; 20180302; 20180305; 20180406; 20180410; 20180413; 20180420; 20180430; 20180622; 20180703; 20180713; 20180720; 20180724; 20180727; 20180730; 20180814; 20180817; 20180821; 20180824; 20180910; 20180914; 20180928; 20181019; 20181026; 20181102; 20181105;
Holder of Voting Rights	Shares are used to settle customer's short sales. Voting rights are held by third party purchaser.
Are there any restrictions on voting rights?	No
If yes, detail	Not applicable
Scheduled Return Date (if any)	Open
Does the borrower have the right to return early?	Yes
If yes, detail	The borrower may return shares to the lender at any time.
Does the lender have the right to recall early?	Yes
If yes, detail	The lender may recall shares from the borrower at any time.

Will the securities be returned on settlement?	Yes
If yes, detail any exceptions In the ordinary course of business, customer will return the securities to the prime broker. Upon a customer Event of Default, Morgan Stanley has the right to set off obligations owed to the customer against obligations of the customer to Morgan Stanley and to foreclose on any collateral for the purpose of arriving at a single closeout amount. In such a default scenario, the shares may not be returned to the prime broker.	

Schedule	
Type of Agreement	Customer Prime Broker Account Agreement
Parties to agreement	Morgan Stanley & Co. LLC on behalf of all Morgan Stanley entities and customer ADVISORS INNER CIRCLE FUND-CORNERSTONE ADVISORS PUBLIC ALTERNATIVES FUND
Transfer Date	20180226; 20180227; 20180302; 20180305; 20180406; 20180410; 20180413; 20180420; 20180430; 20180622; 20180703; 20180713; 20180720; 20180724; 20180727; 20180730; 20180814; 20180817; 20180821; 20180824; 20180910; 20180914; 20180928; 20181019; 20181026; 20181102; 20181105;
Holder of Voting Rights	Shares are used to settle customer's short sales. Voting rights are held by third party purchaser.
Are there any restrictions on voting rights?	No
If yes, detail Not applicable	
Scheduled Return Date (if any)	Open
Does the borrower have the right to return early?	Yes
If yes, detail The borrower may return shares to the lender at any time.	
Does the lender have the right to recall early?	Yes
If yes, detail The lender may recall shares from the borrower at any time.	
Will the securities be returned on settlement?	Yes
If yes, detail any exceptions In the ordinary course of business, customer will return the securities to the prime broker. Upon a customer Event of Default, Morgan Stanley has the right to set off obligations owed to the customer against obligations of the customer to Morgan Stanley and to foreclose on any collateral for the purpose of arriving at a single closeout amount. In such a default scenario, the shares may not be returned to the prime broker.	

Schedule	
Type of Agreement	Customer Prime Broker Account Agreement
Parties to agreement	Morgan Stanley & Co. LLC on behalf of all Morgan Stanley entities and customer AJO GLOBAL MARKET-NEUTRAL FUND, LTD.
Transfer Date	20180226; 20180227; 20180302; 20180305; 20180406; 20180410; 20180413; 20180420; 20180430; 20180622; 20180703; 20180713; 20180720; 20180724; 20180727; 20180730; 20180814; 20180817; 20180821; 20180824; 20180910; 20180914; 20180928; 20181019; 20181026; 20181102; 20181105;
Holder of Voting Rights	Shares are used to settle customer's short sales. Voting rights are held by third party purchaser.
Are there any restrictions on voting rights?	No
If yes, detail Not applicable	
Scheduled Return Date (if any)	Open
Does the borrower have the right to return early?	Yes
If yes, detail The borrower may return shares to the lender at any time.	
Does the lender have the right to recall early?	Yes
If yes, detail The lender may recall shares from the borrower at any time.	
Will the securities be returned on settlement?	Yes
If yes, detail any exceptions In the ordinary course of business, customer will return the securities to the prime broker. Upon a customer Event of Default, Morgan Stanley has the right to set off obligations owed to the customer against obligations of the customer to Morgan Stanley and to foreclose on any collateral for the purpose of arriving at a single closeout amount. In such a default scenario, the shares may not be returned to the prime broker.	

Schedule	
Type of Agreement	Customer Prime Broker Account Agreement
Parties to agreement	Morgan Stanley & Co. LLC on behalf of all Morgan Stanley entities and customer AJO EMERGING MARKETS ENHANCED HEDGE FUND, LTD.
Transfer Date	20180226; 20180227; 20180302; 20180305; 20180406; 20180410; 20180413; 20180420; 20180430; 20180622; 20180703; 20180713; 20180720; 20180724; 20180727; 20180730; 20180814; 20180817; 20180821; 20180824; 20180910; 20180914; 20180928; 20181019; 20181026; 20181102; 20181105;
Holder of Voting Rights	Shares are used to settle customer's short sales. Voting rights are held by third party purchaser.
Are there any restrictions on voting rights?	No
If yes, detail	Not applicable
Scheduled Return Date (if any)	Open
Does the borrower have the right to return early?	Yes
If yes, detail	The borrower may return shares to the lender at any time.
Does the lender have the right to recall early?	Yes
If yes, detail	The lender may recall shares from the borrower at any time.
Will the securities be returned on settlement?	Yes
If yes, detail any exceptions	In the ordinary course of business, customer will return the securities to the prime broker. Upon a customer Event of Default, Morgan Stanley has the right to set off obligations owed to the customer against obligations of the customer to Morgan Stanley and to foreclose on any collateral for the purpose of arriving at a single closeout amount. In such a default scenario, the shares may not be returned to the prime broker.

Schedule	
Type of Agreement	Customer Prime Broker Account Agreement
Parties to agreement	Morgan Stanley & Co. LLC on behalf of all Morgan Stanley entities and customer ADVISORS INNER CIRCLE FUND-CORNERSTONE ADVISORS PUBLIC ALTERNATIVES FUND
Transfer Date	20180226; 20180227; 20180302; 20180305; 20180406; 20180410; 20180413; 20180420; 20180430; 20180622; 20180703; 20180713; 20180720; 20180724; 20180727; 20180730; 20180814; 20180817; 20180821; 20180824; 20180910; 20180914; 20180928; 20181019; 20181026; 20181102; 20181105;
Holder of Voting Rights	Shares are used to settle customer's short sales. Voting rights are held by third party purchaser.
Are there any restrictions on voting rights?	No
If yes, detail	Not applicable
Scheduled Return Date (if any)	Open
Does the borrower have the right to return early?	Yes
If yes, detail	The borrower may return shares to the lender at any time.
Does the lender have the right to recall early?	Yes
If yes, detail	The lender may recall shares from the borrower at any time.
Will the securities be returned on settlement?	Yes
If yes, detail any exceptions	In the ordinary course of business, customer will return the securities to the prime broker. Upon a customer Event of Default, Morgan Stanley has the right to set off obligations owed to the customer against obligations of the customer to Morgan Stanley and to foreclose on any collateral for the purpose of arriving at a single closeout amount. In such a default scenario, the shares may not be returned to the prime broker.

The above schedules are based on the relevant standard agreements. The entity filing the report will, if requested by the company or responsible entity to whom the prescribed form must be given or ASIC, give a copy of the agreement to the company, responsible entity or ASIC.

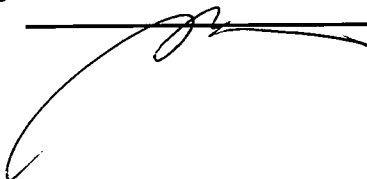
Signature

print name Annie Gong

capacity Executive Director

sign here

date November 27, 2018

A handwritten signature in black ink, appearing to be 'Annie Gong', is written over a horizontal line. The signature is stylized with a large, sweeping initial 'A' and a long horizontal stroke.